REPORT OF PHASE II ENVIRONMENTAL SITE ASSESSMENT FORMER SANITARY LAUNDRY PROPERTY KNOXVILLE, TENNESSEE

EPA Cooperative Agreement Number BF-95443509-1
S&ME Project No. 1434-11-392-007

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September 12, 2014

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City of Knoxville
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Attention: Ms. Anne Wallace

Reference: **Phase II Environmental Site Assessment Report**
Former Sanitary Laundry Property
625 North Broadway and 750 Stone Street
Knoxville, Tennessee
EPA Cooperative Agreement Number BF-95443509-1
S&ME Project No. 1434-11-392-007

Dear Ms. Wallace:

S&ME, Inc. (S&ME) has completed a Phase II Environmental Site Assessment (Phase II ESA) of the Former Sanitary Laundry Property located in Knoxville, Tennessee. The purpose of the Phase II ESA is to assess the nature and extent of subsurface contamination associated with the past use of the subject site.

S&ME appreciates this opportunity to be of service to you. Please call if you have questions concerning this report or any of our services.

Respectfully submitted,

S&ME, Inc.

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EXECUTIVE SUMMARY

S&ME Inc. conducted a Phase II Environmental Site Assessment (Phase II ESA) of the Former Sanitary Laundry Property located in Knoxville, Tennessee. This Phase II ESA, conducted on behalf of the City of Knoxville (City) was performed to determine the nature and extent of subsurface contamination resulting from past use of the property. This assessment was performed under a Brownfields Assessment and Planning Grant provided by the United States Environmental Protection Agency (USEPA), Region 4. The property is a candidate Brownfield property which the City is planning to redevelop.

The subject property consists of two contiguous parcels containing approximately 0.70 acre located at 625 North Broadway and 750-760 Stone Street. The subject property operated as a dry cleaner from 1926 until 1993. Three buildings are currently located on the property: the former Sanitary Laundry building, a boiler house that operated concurrently with the Sanitary Laundry and provided heat/steam to the operation, and a loading and vehicle maintenance building, also associated with the Sanitary Laundry operation. Both petroleum and chlorinated solvent underground storage tanks (USTs) were located on the property.

The Phase II ESA consisted of the collection and laboratory analysis of 34 passive soil vapor modules, subsurface soil samples, groundwater samples, soil gas samples and ambient air from the site. A Geoprobe® rig was used to obtain subsurface soil for field and laboratory analyses. Groundwater samples were collected from two existing monitoring wells and from six piezometers installed during the Phase II ESA sampling.

The analysis of soil samples revealed arsenic concentrations in 14 samples that exceeded the USEPA May 2014 Residential Soil Regional Screening Level (RSL), and 13 samples that exceed the Industrial Soil RSL for arsenic. However, the reported arsenic concentrations did not vary significantly with depth or location and are therefore interpreted as naturally-occurring background. Of the volatile organic compounds (VOC) and polynuclear aromatic hydrocarbon (PAH) compounds detected in soil samples, only tetrachloroethylene and benzo(a)pyrene exceeded Residential Soil RSLs. None of the reported VOC or PAH concentrations exceed Industrial Soil RSLs.

Concentrations of petroleum hydrocarbons (EPH, TPH) that exceeded the Tennessee Department of Environment and Conservation, Division of Solid Waste Management cleanup criteria of 100 milligrams per kilogram (mg/kg) were reported in soil samples collected from within the Sanitary Laundry building, the former auto repair building and the former UST locations.

Arsenic concentrations detected in groundwater samples exceeded the corresponding arsenic Tapwater RSL. Lead concentrations detected in each groundwater sample exceeded the USEPA drinking water maximum contaminant level (MCL). Concentrations of benzene and the chlorinated solvents tetrachloroethene, trichloroethene

cis-1,2-dichloroethene and vinyl chloride which exceeded the Tapwater RSLs and MCLs were detected in groundwater samples. Also notable is the detection of 1,2-dichlorobenzene, ethylbenzene, naphthalene, n-propylbenzene, the trimethylbenzene isomers, and xylenes that exceed the Tapwater RSLs.

The eight soil gas samples collected from the site reported concentrations of benzene, ethylbenzene, carbon tetrachloride, chloroform, tetrachloroethylene, trichloroethylene, 1,1-dichloroethane, 1,1-dichloroethene, and vinyl chloride that exceeded the Residential and/or Industrial RSLs. It is notable that tetrachloroethylene concentrations exceeded the Industrial Air RSL by up to three orders of magnitude in sub-slab samples within the three buildings located on the subject property.

Ambient air sampling resulted in concentrations of benzene, carbon tetrachloride chloroform, chloromethane, ethylbenzene, tetrachloroethylene and trichloroethylene that exceed Residential and Industrial RSLs. The highest chloromethane, ethylbenzene, tetrachloroethylene and trichloroethylene concentrations were reported for air samples collected in the former Sanitary Laundry building.

1. INTRODUCTION

S&ME Inc. conducted a Phase II Environmental Site Assessment (Phase II ESA) of the Former Sanitary Laundry Property located in Knoxville, Tennessee. This Phase II ESA, conducted on behalf of the City of Knoxville (City) was performed to determine the nature and extent of subsurface contamination resulting from past use of the property. This assessment was performed under a Brownfields Assessment and Planning Grant provided by the United States Environmental Protection Agency (USEPA), Region 4. The property is a candidate Brownfield property which the City is planning to redevelop. Future potential reuse/development of the site has not yet been determined.

When not referenced specifically, the property will be referred to as the "Site" in this report. The Site consists of two contiguous parcels containing approximately 0.70 acre located at 625 North Broadway and 750-760 Stone Street in Knoxville, Tennessee (Figure 1). The property center is located at 35.975358° N latitude and -83.924359° W longitude. The property is identified on the Knox County Tax Assessor's Tax Map as Tax Map 94D, Group P, Parcel 13 (625 North Broadway) and Map 94D, Group P, Parcel 5 (750-760 Stone Street).

The services performed for this Phase II ESA consisted of installing and collecting 34 passive soil vapor modules, collecting subsurface soil samples, groundwater samples, ambient air and soil gas samples from the site and submitting the samples for laboratory analyses. The scope of services was partly based on historical Site information included in the S&ME July 31, 2013 Phase I Environmental Site Assessment (ESA) (Reference 1). The project scope and objectives associated with the Phase II ESA at the site were presented in the site-specific *Quality Assurance Project Plan* (QAPP) (Reference 2), dated November 21, 2013 and approved by EPA on December 13, 2013.

1.1 Project Approach

Between March 26 and July 3, 2014, S&ME installed and collected 34 passive soil vapor modules, collected 25 soil samples, six groundwater samples, eight ambient air samples, and eight soil gas samples from the site. The sample locations were established based on field observations, accessibility and historical land use practices. Sample locations were recorded in a field logbook as sampling was conducted.

1.2 Report Organization

The Site background information that guided the sampling approach is presented in Section 2. The procedures of the sampling and analyses are summarized in Section 3. Specific details on sampling and analyses for the site are provided in Section B of the corresponding Site-Specific QAPP. The results of the sampling and analyses are provided in Section 4. Conclusions are discussed in Section 5. The qualifications to the report are indicated in Section 6. References cited in the text are provided in Section 7.

2. BACKGROUND

The following presents the site characteristics, background historical information, and surrounding property descriptions that were used to guide the selection of sample locations and analytical parameters.

2.1 Site Characteristics

The subject property consists of two contiguous parcels containing approximately 0.70 acre located at 625 North Broadway and 750-760 Stone Street in Knoxville, Tennessee (**Figure 1**). Three buildings are currently located on the property: the former Sanitary Laundry building, a boiler house that operated concurrently with the Sanitary Laundry and provided heat/steam to the operation, and a loading and vehicle maintenance building, also associated with the Sanitary Laundry operation.

According to the Knox County Property Assessor's website, the owner and manager of the subject property is Orchard Entertainment Group, LLC. However, the City of Knoxville has recently acquired the property located at 625 North Broadway. The property is currently unoccupied.

Based on the results of the recently completed Phase I ESA, the following ASTM Standard Practice E 1527-13 recognized environmental conditions (REC) associated with the subject property were identified:

- The subject property operated as a dry cleaner from 1926 until 1993.
- Dry cleaning compounds and solvents have been detected in groundwater at concentrations above the primary drinking water Maximum Contaminant Levels (MCLs).
- Two gasoline USTs and one heating oil AST have been located on the subject property in the past.
- Evidence of one dry cleaning solvent UST was observed on the subject property. The contents of the UST were reportedly removed in 1994 but no soil testing was performed at that time.
- Numerous 55-gallon drums of dry cleaning fluids and oil were observed and removed from the subject property in 1999.
- One in-ground hydraulic lift was observed in the garage building on the west side of the subject property.

Based on these findings, the subject site may present a threat from exposure to soils and groundwater from contaminants such as dry cleaning solvents and petroleum hydrocarbons from historical property uses. **Figures 2** through **6** depict the areas assessed and sample locations.

2.2 Surrounding Area Description

Descriptions of adjoining and surrounding properties are provided below:

- **North** – Broadway Electric adjoins the Sanitary Laundry Building to the north and shares a common wall. Sumpter Street and Additional commercial properties are located further north, along North Broadway and North Central Street.

- **South** – A vacant building shares a common wall with the Sanitary Laundry building to the south. Commercial businesses, including Dixie Kitchen are further south, along North Broadway.

- **East** – North Broadway adjoins the subject property to the east. Retail businesses are located on the east side of North Broadway. Additional retail and commercial properties are further east.

- **West** – Stone and Sumpter Streets adjoin the property to the west. Commercial properties are located to the west with cemeteries beyond.

3. SAMPLING AND ANALYSES

The following presents the field screening, sampling, data analyses, and data validation procedures used for this Phase II ESA. The sample locations are presented on **Figures 2** through **6**.

3.1 General Sample Collection Procedures

Following is a brief summary of the sampling activities that were performed as part of the Phase II ESA. The activities, which are described in detail in the sections below, included:

- 34 passive soil vapor collector modules were installed to evaluate soil vapor mass levels of VOC and petroleum hydrocarbons present in the subsurface in the vapor phase.

- 25 soil samples were collected from 15 probe locations to evaluate the extent of volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), 8 Resource Conservation and Recovery Act (RCRA 8) metals, polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), gasoline range organics (GRO) and extractable petroleum hydrocarbons (EPH). Copies of the probe logs for probe locations GP-1 through GP-15 are provided in **Appendix I**.

- Six groundwater samples were collected from two existing groundwater monitoring wells (MW-1 and MW-2) and from four piezometers (PZ-4, PZ-7, PZ-9 and PZ-12) installed on the property to evaluate the presence of VOCs, PAHs,

RCRA 8 metals, PCBs, TPH-GRO, and EPH. Monitoring well construction diagrams are provided in **Appendix I**.

- Eight ambient air samples were collected from within the existing buildings and analyzed for VOCs.

- Eight subsurface soil gas samples were collected and analyzed for VOCs.

3.1.1 Passive Soil Vapor Sampling

The passive soil vapor collector modules that were used in the survey were Amplified Geochemical Imaging, LLC (AGI) Universal Sampler Modules provided by AGI from their Newark, Delaware facility. On March 26, 2014, twelve modules were installed within the basement of the Sanitary Laundry building (625 North Broadway) using a rotary hammer drill, each at a depth of approximately 18 inches below ground surface (bgs). The twelve modules were retrieved on April 2, 2014. On May 6, 2014, thirteen modules were installed within the portion of the property located at 750 Stone Street and were retrieved on May 16, 2014. The modules were installed in areas of concern identified in the Phase I ESA (**Figure 2**).

Following installation of each module, the holes were temporarily sealed and the modules remained in place for 8 to 10 days. At recovery, modules were placed in laboratory prepared jars and returned to AGI for analysis of mass levels of VOC and petroleum hydrocarbons present in the vapor phase. Passive soil vapor sampling locations and results are provided in the AGI Laboratory Analytical Report provided in **Appendix II**.

3.1.2 Subsurface Soil Sampling

A total of 25 soil samples were collected from 15 probe locations using a Geoprobe® on June 16, 2014. Subsurface sample depths ranged between 7.0 and 22.5 feet. Samples for lab analysis were chosen based on VOC field headspace analysis using a Photo Ionization Detector (PID). The sample locations are identified on **Figure 3**.

Soil samples collected were split into two portions; one portion was placed in laboratory prepared jars for laboratory analysis while the other half was placed into zip lock bags for field headspace analysis using a PID. Subsurface samples that exhibited high concentrations of VOCs or exhibited visual/olfactory indications of contamination were selected for laboratory analysis. The samples were submitted under chain of custody to ESC Lab Sciences and were analyzed for VOCs, PAHs, RCRA 8 metals, PCBs, TPH-GRO, and EPH. The analytical results were compared against TDEC Division of Solid Waste Management(DSWM) Cleanup Levels for EPH and TPH-GRO and the USEPA May 2014 Industrial and Residential Soil RSLs with a Target Hazard Quotient of 0.1.

3.1.3 Groundwater Sampling

Upon completion of the subsurface soil sampling, one-inch diameter piezometers were installed in probe locations GP-4 (PZ-4), GP-7 (PZ-7), GP-9 (PZ-9), and GP-12 (PZ-12).

The two existing two-inch diameter monitoring wells, installed by S&ME in 1993, were also sampled during this assessment. Groundwater measurements were collected on June 17 and June 19, 2014 to determine whether a sufficient quantity of groundwater for sampling had collected in the piezometers. Each piezometer was purged prior to the collection of the groundwater samples until consecutive measurements of five parameters (temperature, pH, specific conductance, dissolved oxygen, and turbidity) had stabilized to within specified limits.

Groundwater samples were collected on June 19, 2014 from piezometer PZ-7, PZ-9, PZ-12, and MW-1. Groundwater samples were collected from piezometer PZ-1 and monitoring well MW-2 on June 20, 2014 due to slow recharge of the wells after purging (**Figure 4**). A copy of the piezometer and well schematics are provided in **Appendix I**. All samples were handled in general compliance with S&ME quality assurance/control protocol to ensure sample integrity and prevent cross-contamination.

The groundwater samples were submitted under chain of custody to ESC Lab Sciences for analysis for VOCs, PAHs, RCRA 8 metals, PCBs, TPH-GRO, and EPH. Laboratory analytical data were compared to the USEPA MCL, the May 2013 Tap Water RSLs with a Target Hazard Quotient of 0.1, and TDEC DSWM groundwater cleanup levels for EPH and TPH-GRO, as applicable. The USEPA May 2014 Tap Water RSLs were used if MCLs were not available.

3.1.4 Soil Gas Sampling

A hammer drill was used to install post-run tubing (PRT) sampling systems through the concrete or asphalt surface at eight locations (SG-1 through SG-8). Each PRT system was installed to a depth of approximately three feet at each location. Upon completion of the installation of each PRT system, the soil gas at each location was sampled using dedicated 6-liter Summa canisters. Following the Summa canister sampling event (maximum 30-minutes from each of the PRT locations), the canisters were sealed, packed, and shipped under chain of custody to ESC Lab Sciences. The samples were analyzed for VOCs by the USEPA Method TO-15 SIM. Laboratory analytical data was compared to the EPA's November 2013 Industrial Air RSLs (THQ = 0.1).

An S&ME staff professional was on-site to direct the PRT installation, collect soil gas samples and record observations, including the probing locations and depth. Soil gas/PRT sampling locations are indicated on **Figure 5**.

3.1.5 Ambient Air Sampling

Ambient air samples were collected on June 12 and 13, 2014 at eight locations on the Site. Five samples were collected within the buildings and property located at 750 Stone Street and three samples were collected from the basement of the building located at 625 North Broadway (**Figure 6**). The ambient air at each location was sampled using dedicated 6-liter Summa canisters. Following the Summa canister sampling event (maximum 8 hours from each of the locations), the canisters were sealed, packed, and

shipped under chain of custody to ESC Lab Sciences. The samples were analyzed for VOCs by the USEPA Method TO-15 SIM. Laboratory analytical data was compared to the EPA's May 2014 Industrial Air RSLs (THQ = 0.1).

3.2 Sample Analysis

3.2.1 Field Analysis – PID Analysis

Soil samples were field screened by PID headspace methods. Each sample was placed in a resealable plastic bag and left to volatilize for a minimum of 10 minutes before screening. The PID results were recorded on the field forms, and are reported on the probe logs presented in **Appendix I**. Soil samples that exhibited elevated PID readings were submitted for laboratory analysis.

3.2.2 Laboratory Sample Analysis

Soil, groundwater, ambient air and soil gas samples collected from the site were submitted for laboratory analyses to ESC Lab Sciences in Mt. Juliet, Tennessee. Sample analyses included the following analytes and methods:

- US EPA Method 8260 for VOCs.
- US EPA Method 8270 for PAHs.
- US EPA Method 6010 and mercury by method 7471 for the RCRA 8 metals.
- US EPA Method 8082 for PCBs
- TN EPH Method for EPH.
- TN GRO Method for Gasoline Range Organics (GRO) for TPH.
- US EPA Method TO-15 SIM for VOCs.

As specified in the EPA *Quality Assurance Guidance for conducting Brownfields Site Assessments* (Reference 4), the QA samples to be submitted for laboratory analysis should number at least 10 percent of the total number of samples collected. A total of 25 soil samples, six groundwater samples and eight soil gas samples were collected from the site. As such, per the Brownfields QAPP guidance, at least four QA samples should be selected for analysis. For this project, six QA samples were selected for analysis and included the following:

- **Trip Blanks** –Trip blanks accompanied the soil and groundwater samples collected from the site.

- **Field Duplicate Samples:** A field duplicate was collected from soil sample GP-13 (10.0 to 11.0 feet), one from groundwater sample MW-1, and one from soil gas sample SG-7. The duplicate soil and groundwater samples were analyzed for VOCs, PAHs, EPH, TPH-GRO, and RCRA 8 metals. The soil gas sample was analyzed for TO-15 SIM.

- **Matrix Spike/Matrix Spike Duplicate Samples** – S&ME submitted one matrix spike/matrix spike duplicate (MS/MSD) soil sample from sampling location GP-7 (7.5 to 10.0 feet).

3.3 Data Validation

The data were validated by S&ME in general accordance with US-EPA's *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, dated October 2013 and *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, dated October 2013 (References 5 and 6). Organic data validation consisted of a review of the following quality control (QC) parameters: holding times, instrument performance checks, initial and continuing calibrations, blank results, surrogate recovery results, MS/MSD results, laboratory control sample (LCS) results, internal standard response, and target compound identification and quantitation. Inorganic data validation consisted of a review of the following QC parameters: holding times, initial and continuing calibrations, blank results, inductively coupled plasma interference check sample results, LCS results, duplicate sample results, MS/MSD results, and sample result quantitation. None of the data were rejected due to quality control concerns.

The samples submitted to ESC Lab Sciences for analysis were analyzed within the applicable holding times. Temperatures of samples received at the ESC laboratory were documented to be within appropriate ranges. ESC quality control samples included a laboratory blank, a laboratory control sample and a matrix spike/matrix spike duplicate analysis. A summary of the quality control findings for the analysis conducted for this project is provided below.

If a target parameter was outside the method limits, every sample that was affected was flagged with the appropriate qualifier in the analytical report. The laboratory blanks did not have detectable concentrations of analyzed constituents. Laboratory duplicate results were comparable to the laboratory samples. The percent recovery for constituents analyzed in the laboratory controls was within established criteria, with several exceptions as noted below. None of the reported data were rejected, and all of the constituents were reported as valid or useable.

3.3.1 Data Validation for Soil

- A trip blank accompanied the soil samples collected from the site and was analyzed for VOC. There were no reported detections for VOC in the trip blank sample.

- The concentrations of constituents analyzed in the GP-7 (7.5 to 10.0 feet) soil sample and its respective field duplicate were comparable.

- S&ME submitted one MS/MSD soil sample from sampling location GP-7 (7.5 to 10.0 feet). According to the ESC soil analytical report, dated July 15, 2014, the arsenic, cadmium, selenium and silver were included in the table below were flagged (Qualifier O) due to matrix interference that impaired the ability to make an accurate analytical determination. The detection limit for these analytes is elevated in order to reflect the necessary dilution. All of the data for these constituents were evaluated and reported as valid and useable.

- According to the July 15, 2014 ESC soil analytical report the following parameters were flagged with a qualifier for the related sample location. An explanation of the qualifier codes is included in the ESC analytical report. All of the data for these samples sand constituents were evaluated and reported as valid and useable.

Sample	Parameter	Qualifer
GP-1 (4-7 ft), GP-2 (10-15 ft), GP-3 (4-6 ft), GP-4 (0-5 ft), GP-4 (12.5-15 ft),GP-8 (2.5-5 ft), GP-12 (10-13.5 ft), GP-13 (10-11 ft), GP-14 (5-9 ft), GP-15 (5-7.5 ft), Field Duplicate	Arsenic, Cadmium, Selenium, Silver	O
GP-7 (7.5-10 ft),	Barium, Chromium, Lead	O1
GP-7 (7.5-10 ft)	n-Butylbenzene, sec-Butylbenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dicholorbenzene, 1,3-Dichloropropane, trans-1,3-Dichloropropene, Hexachloro-1,3-butadine, Naphthalene, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trimethylbenzene	J3
GP-7 to GP-10	1,2,3-Trimethylbenzene	J4
GP-7 (7.5-10 ft)	Chromium	B
GP-4 (0-5 ft), GP-4 (12.5-15 ft), GP-7 (7.5-10 ft)	Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver, TPH, 1,4-Dicholorbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene	J6
GP-7 (7.5-10 ft)	1,1,2,2-Tetrachloroethane,	J5
GP-1 to GP-5	Benzo(b)fluoranthene	J3

3.3.2 Data Validation for Groundwater

- A trip blank accompanied the groundwater sample collected from the site and was analyzed for VOC. There were no reported detections for VOC in the trip blank sample.

- S&ME submitted one groundwater duplicate from MW-1. According to the ESC laboratory report dated July 1, 2014, the constituents detected in the MW-1

groundwater sample and its duplicate were comparable. Selenium and silver were flagged because the sample was diluted due to matrix interferences that impaired the ability to make an accurate analytical determination (O), benzene was flagged because the compound was analyzed but not detected (U) and tetracholoroethene was flagged because the estimated value was below the lowest calibaration point (J). Chloroethane, 1,3-Dichloropropane, cis-1,3-Dichloropropene, trans-1,3-dichloropropene were flagged J4 for the associated batch QC was outside the established quality control range for accuracy. All of the data for the groundwater constituents were evaluated and were reported valid and usable.

3.3.3 Data Validation for Soil Gas

- The July 14, 2014 ESC laboratory report for the eight soil gas samples analyzed indicated that tetrachloroethylene was flagged J4 for the associated batch QC being outside the established quality control range for accuracy.

- The SG-7 Duplicate sample results were comparable to the SG-7 sample results. The laboratory report indicates that tetrachloroethylene was diluted in both SG-7 and the duplicate sample. There were no other differences reported in the analysis of the duplicate sample to indicate the different reported laboratory results for the two samples.

3.3.4 Data Validation for Ambient Air Samples

The June 18, 2014 ESC laboratory report for the eight ambient air samples analyzed did not indicate any parameters to be outside the established criteria.

4. PHASE II ESA RESULTS

4.1 Field Observations for Phase II Sampling

The Phase II ESA sampling event was devised based on information in the Phase I ESA and general observations of the Site. Field activities for the Phase II ESA occurred between March 26 through July 3, 2014.

4.2 Analytical Results for the Phase II Sampling Event

Laboratory results were compared to regulatory screening values proposed for this project. S&ME used the USEPA May 2014 Industrial and Residential Soil RSLs (Reference 7) to compare detected constituents in soils. The USEPA Primary Drinking Water MCLs (Reference 8) were used to compare detected constituents in groundwater. The USEPA Tap Water RSLs were used if MCLs were not available. USEPA does not have regulatory screening values for EPH. Therefore, S&ME used the TDEC DSWM groundwater and soil cleanup criteria for EPH (1.0 mg/l and 100 mg/kg, respectively) to compare EPH constituents detected in groundwater and soil. The laboratory results of the soil gas sampling were compared against USEPA May 2014 Residential and Industrial

Air RSLs. The following sections present summaries of the results of the Phase II sampling event. The laboratory analytical reports are provided in **Appendix II**.

4.2.1 Analytical Results for Soil

A total of 25 soil samples, one field duplicate sample, and one MS/MSD sample were collected from 15 probe locations. **Table 1** in **Appendix II** summarizes the detected laboratory concentrations for each analyte.

Arsenic concentrations were detected in 14 of the soil samples. These detections exceeded the Residential Soil RSL for arsenic of 0.67 mg/kg. A total of 13 samples exceed the Industrial Soil RSL for arsenic of 3 mg/kg. The soil sample collected from location GP-15 (1.0-2.0 feet) was the only reported arsenic concentration (38 mg/kg) which exceeded TDEC's recognized average background arsenic concentration in Tennessee soils of 10 mg/kg. It is notable that the arsenic detection limit for all samples analyzed except GP-7, 15-17.5 feet exceeded the Industrial Soil RSL. The arsenic concentrations are not thought to be attributable to an onsite source and are therefore interpreted to represent background concentrations. It is notable that the average naturally occurring background concentration of arsenic is recognized as 10 mg/kg, according to the TDEC, Division of Geology *Hazardous Trace Elements in Tennessee Soils and Other Regolith, Report of Investigations No. 49, 2001* (Reference 9).

Mercury, barium, cadmium, chromium, lead and selenium were detected in concentrations that did not exceed the applicable Industrial or Residential Soil RSLs.

Nine soil samples reported detectable concentrations of PAHs. Sample locations GP-1 (2.0-4.0 feet), GP-2 (10.0-15.0 feet), GP-4 (0.0-5.0 feet), and GP-15 (5.0-7.0 feet) reported PAH detections which exceeded the Residential RSLs for several analytes. Of these, only benzo (a) pyrene in samples GP-4 (0-5 feet) and GP-15 (1-2 feet) exceed the respective Industrial Soil RSL.

Detections of EPH were reported in samples GP-2 (10.0-15.0 feet), GP-9 (15.0-18.0 feet), GP-10 (5.0-10.0 feet), GP-12 (5.0-10.0 feet), and GP-15 (1.0-2.0 feet). The reported EPH concentrations for each of these samples exceeded the TDEC DSWM cleanup criteria of 100 mg/kg for EPH.

Laboratory detections of TPH were reported for 13 soil samples. Samples collected from locations GP-2 (10.0-15.0 feet), GP-9 (7.5-10.0 feet), GP-9 (15.0-18.0 feet), and GP-10 5-10 feet), GP10 (10.0-13.0 feet) reported detections that exceeded the TDEC DSWM cleanup criteria of 100 mg/kg for TPH.

4.2.2 Analytical Results for Groundwater

Four groundwater samples were collected from piezometers designated PZ-4, PZ-7, PZ-9, and PZ-12. Two additional samples were collected from the existing monitoring well

locations MW-1 and MW-2. **Table 2** in **Appendix II** summarizes the laboratory detected concentrations and regulatory comparison criteria.

Arsenic concentrations detected in four of the groundwater samples exceeded the USEPA arsenic Tapwater RSL but did not exceed the USEPA MCL for arsenic. Lead concentrations were detected in each groundwater sample that exceeded the USEPA MCL.

Benzene concentrations in samples PZ-12 and MW-2 exceeded both the Tapwater RSL and MCL. Samples from MW-1 and its duplicate sample reported concentrations of 1,2 dichlorobenzene that exceeded the Tapwater RSL and of cis-1,2-dichloroethene that exceeded both the RSL and the MCL. Naphthalene concentrations were reported from locations PZ-4, PZ-7, PZ-9 and MW-2 which exceeded the Tapwater RSL.

Tetrachloroethene concentrations exceeded the Tapwater RSL and MCL from locations PZ-7, MW-1, the MW-1 duplicate sample and MW-2. Trichloroethene exceeded the Tapwater RSL in samples from locations PZ-4, PZ-7, MW-1 and its duplicate sample. Trimethylbenzene isomer concentrations exceeded RSLs in locations PZ-9, PZ-12 and MW-2. Vinyl chloride concentrations exceeded both RSLs and MCLs at locations PZ-4and PZ-7. Xylenes in sample PZ-12 exceeded the Tapwater RSL.

The PAHs benzo(a)anthracene, benzo(a)pyrene and benzo(b) fluoranthene concentrations exceeded the corresponding Tapwater RSLs in sample PZ-12.

It is notable that detection limits exceeded RSLs or MCLs for several of the VOC analytes and the PAHs benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene for samples MW-1 and the MW-1 duplicate.

The reported concentrations of TPH from sample locations PZ-7, PZ-12, MW-1 and MW-1 duplicate exceeded the TDEC DSWM cleanup criteria of 1.0 mg/l. The reported EPH concentrations for locations PZ-9 and PZ-12 exceeded the TDEC DSWM cleanup criteria of 1.0 mg/l.

4.2.3 Analytical Results for Soil Gas

Table 3 in **Appendix II** summarizes the laboratory reported concentrations for the analysis of the SUMMA canister samples SG-1 through SG-8. Concentrations of benzene exceeded the USEPA May 2014 Residential Air RSL at each of the soil gas sample locations and the Industrial Air RSL at in all samples except SG-7. The reported ethylbenzene concentrations exceeded the Residential Air RSL in sample locations SG-1, SG-2, SG-5, SG-6, and SG-8.

Carbon tetrachloride exceeded the Residential Air RSL in sample locations SG-2, SG-4, SG-5, and SG-8. Carbon tetrachloride also exceeded the Industrial Air RSL at SG-8.

Chloroform exceeded the Residential RSL except at all sample locations and exceeded the Industrial RSL at locations SG-3, SG-4, and SG-8.

Tetrachloroethylene concentrations exceeded both the Residential and Industrial RSLs in each sample location. Likewise, trichloroethylene exceeded the Residential and Industrial air RSLs in each location. The reported detections of 1,1-dichloroethane and 1,1-dichloroethene in sample location SG-3 exceeded both the Residential and Industrial Air RSLs. Vinyl chloride exceeded the Industrial and Residential RSLs in sample location SG-3 and the Residential RSL in sample location SG-8.

4.2.4 Analytical Results for Ambient Air

Table 4 in **Appendix II** summarizes the laboratory reported concentrations for the analysis of the SUMMA canister samples AA-1 through AA-8. Concentrations of benzene exceeded the USEPA May 2014 Residential Air RSL at each of the soil gas sample locations. The reported ethylbenzene concentrations exceeded the residential RSL in sample locations AA-1, AA-2, and AA-6.

Chloroform exceeded both the industrial and residential RSL at sample location AA-1 and exceeded the residential RSL at locations AA-2 through AA-5. Chloromethane was reported at a concentration the exceeded the residential RSL only at location AA-1.

Tetrachloroethylene was reported at concentrations that exceeded the industrial and residential air RSLs at sample locations AA-1 and AA-2 and at a concentration that exceeded the residential air RSL at sample location AA-3. Trichloroethylene concentrations exceeded both the industrial and residential RSL in sample locations AA-1, AA-2, and AA-3.

5. CONCLUSIONS

S&ME conducted a Phase II ESA of the Former Sanitary Laundry Property located in Knoxville, Tennessee. The Phase II ESA consisted of the collection and laboratory analysis of subsurface soil samples, groundwater samples, soil gas samples and ambient air samples from the Site.

A Geoprobe® rig was used to obtain subsurface soil samples for field and laboratory analyses and to install six one inch piezometer locations. Groundwater samples were collected from four of the piezometer locations and from two existing monitoring well locations.

<u>Soil</u>

The analysis of soil samples revealed arsenic concentrations in 14 samples that exceeded the Residential Soil RSL and 13 samples that exceeded the Industrial Soil RSL. The soil sample collected from location GP-15 (1.0-2.0 feet) was the only reported arsenic concentration (38 mg/kg) which exceeded the average background arsenic concentration

in Tennessee soils of 10 mg/kg. The reported arsenic concentrations did not vary significantly with depth or location and are therefore interpreted as naturally-occurring background.

Of the VOCs and PAHs detected in soil samples, only tetrachloroethylene and benzo(a)pyrene exceeded Residential Soil RSLs. None of the reported VOC or PAH concentrations exceed Industrial Soil RSLs.

Concentrations of petroleum hydrocarbons (EPH, TPH) that exceeded the TDEC DSWM cleanup criteria of 100 mg/kg were reported in soil samples collected from within the Sanitary Laundry building, the former auto repair building and the former UST locations.

Groundwater

Arsenic concentrations detected in groundwater samples exceeded the corresponding EPA arsenic Tapwater RSL. Lead concentrations detected in each groundwater sample exceeded the USEPA MCL.

Concentrations of benzene and the chlorinated solvents tetrachloroethene, trichloroethene cis-1,2-dichloroethene and vinyl chloride which exceeded the Tapwater RSLs and MCLs were detected in groundwater samples. Also notable is the detection of 1,2-dichlorobenzene, ethylbenzene, naphthalene, n-propylbenzene, the trimethylbenzene isomers, and xylenes that exceed the Tapwater RSLs.

Soil Gas

The eight soil gas samples collected from the site reported concentrations of benzene, ethylbenzene, carbon tetrachloride, chloroform, tetrachloroethylene, trichloroethylene, 1,1-dichloroethane, 1,1-dichloroethene, and vinyl chloride that exceeded the USEPA May 2014 Residential and/or Industrial RSLs. It is notable that tetrachloroethylene concentrations exceeded the Industrial Air RSL by up to three orders of magnitude in sub-slab samples within the three buildings locate on the subject property.

Ambient Air

Ambient air sampling resulted in concentrations of benzene, carbon tetrachloride chloroform, chloromethane, ethylbenzene, tetrachloroethylene and trichloroethylene that exceeded Residential and Industrial RSLs. The highest chloromethane, ethylbenzene, tetrachloroethylene and trichloroethylene concentrations were reported for samples collected in the former Sanitary Laundry Building.

6. QUALIFICATIONS OF REPORT

This report is provided for the sole use of the City of Knoxville per the S&ME Agreement for Services. The Phase II ESA was generally conducted as outlined in the QAPP as modified during the project. Use of this report by any third parties will be at such parties' sole risk and S&ME disclaims liability for any use or reliance by third parties.

The report's findings are based on conditions encountered at the locations on the dates of S&ME's investigations and should not be relied upon to precisely represent conditions at any other time. The scope of services was not intended to provide the information needed to completely establish the quantity of impacted material present at the site or to determine the cost of remediating the site.

The conclusions included in this report are based on: S&ME's observations of existing site conditions; our interpretation of site history and usage information; and the results of a limited program of subsurface exploration, sample screening, and chemical testing. The concentration of contaminants S&ME measured may not be representative of conditions between locations sampled. Be aware that conditions may change at any sampled or unsampled location as a function of time in response to natural conditions, chemical reactions, and/or other events. Conclusions about site conditions under no circumstances comprise a warranty that conditions in all areas within the site are of the same quality as those sampled.

The scope of services S&ME implemented was based, in part, on rules and regulations that S&ME understood to be current or expected at the time S&ME conducted the work. Changes in regulations, interpretations, and/or enforcement policies may occur at any time and such changes could affect the extent of remediation, if required. Any additional information about this site that becomes available should be provided to S&ME for its review, so S&ME can modify its recommendations as necessary.

7. REFERENCES

1. S&ME, Inc., *Phase I Environmental Site Assessment,* Former Sanitary Laundry and Drycleaning Property, Knoxville, Tennessee, July 31, 2013.
2. S&ME, Inc., *Quality Assurance Project Plan for the* Former Sanitary Laundry Property, Knoxville, Tennessee, November 21, 2013.
3. USEPA Region 4. 1996/1997 revision, *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*, November 2001.
4. USEPA. 1998, *Quality Assurance Guidance for conducting Brownfields Site Assessments*, September 1998.
5. USEPA. 2013, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 2013.
6. USEPA. 2013, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, October 2013
7. USEPA, *Regional Screening Levels for Chemical Contaminants at Superfund Sites*, May, 2014.
8. USEPA, *National Primary Drinking Water Standards – Maximum Contaminant Levels*, EPA 816-F-09-0004, May 2012.
9. TDEC, Division of Geology *Hazardous Trace Elements in Tennessee Soils and Other Regolith, Report of Investigations No. 49,* 2001.

FIGURES

Figure 1 Site Vicinity Topographic Map
Figure 2 Passive Soil Vapor Collector Location Map
Figure 3 Soil Sample Location Map
Figure 4 Piezometer and Groundwater Monitoring Well Location Map
Figure 5 Soil Gas Sample Location Map
Figure 6 Ambient Air Sample Location Map

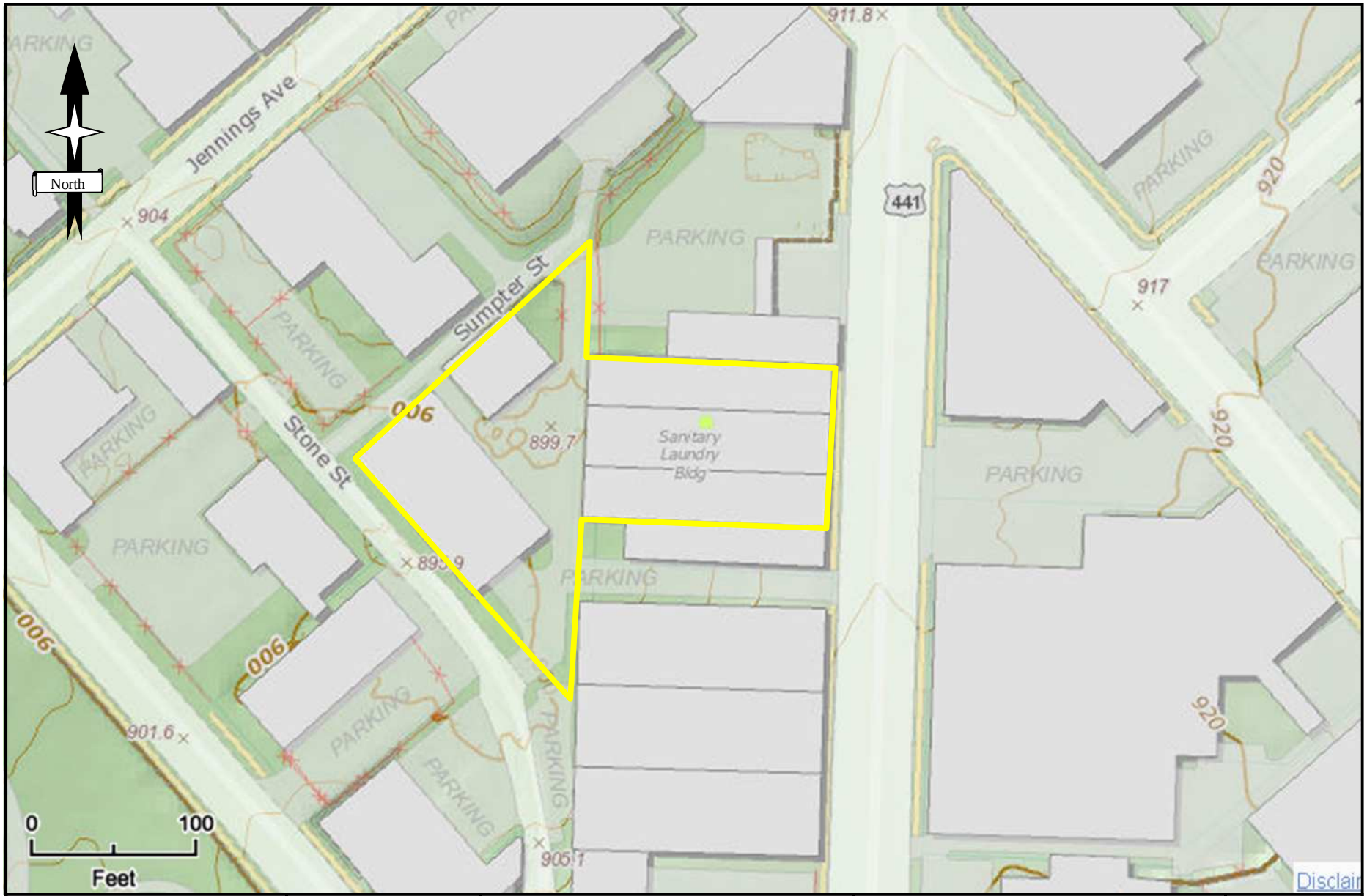
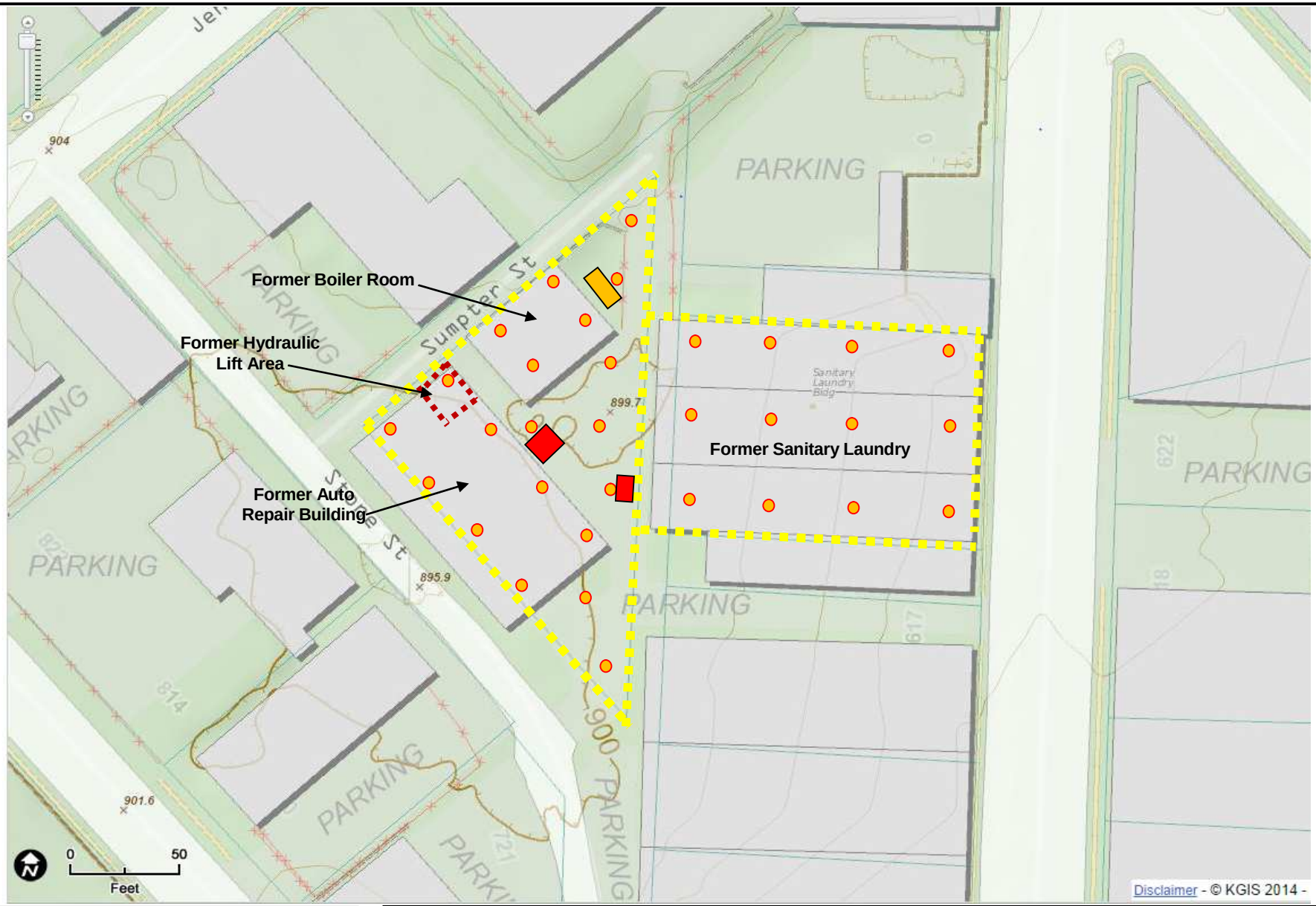
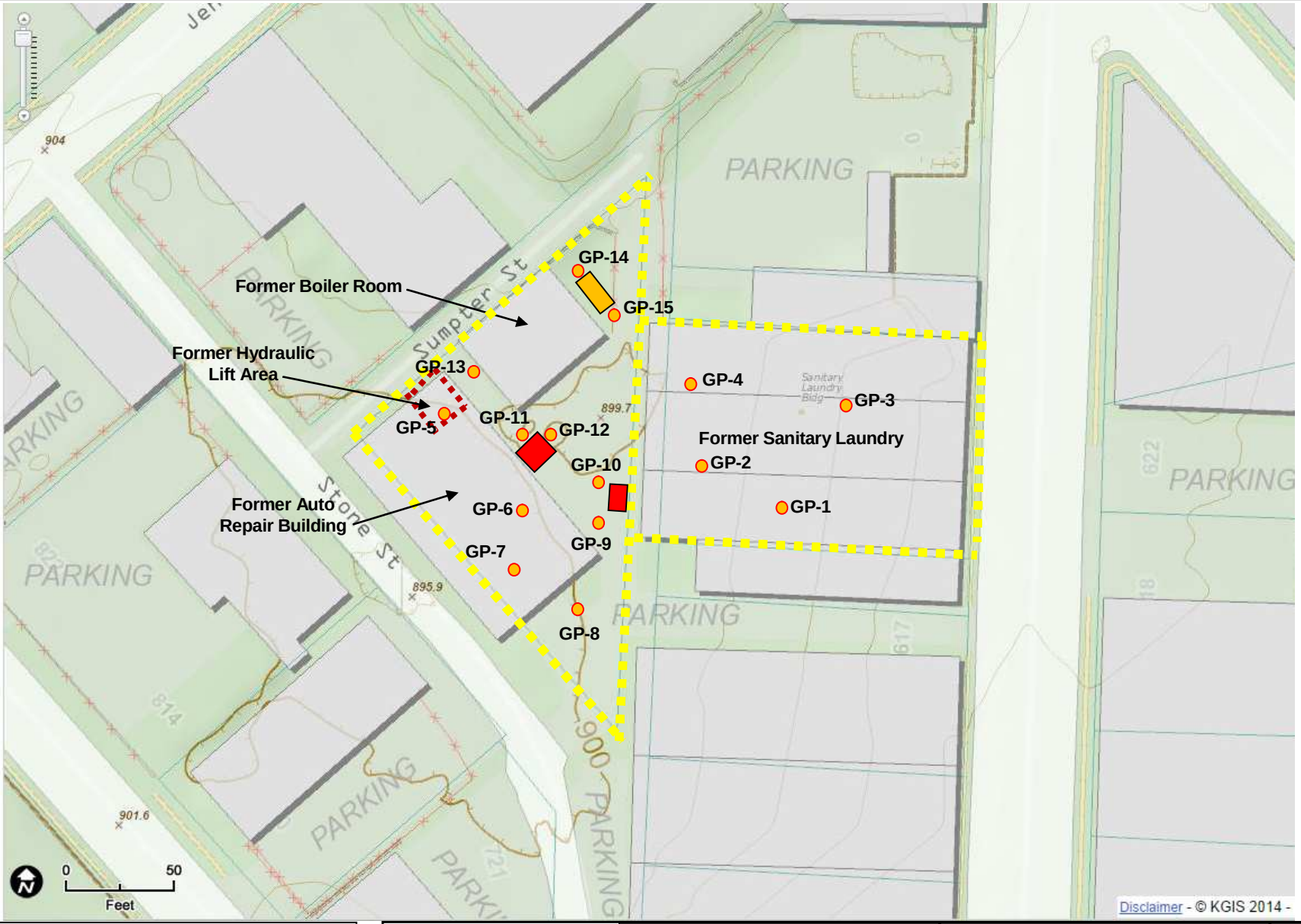


Image from KGIS web site	Approx. Scale: 1"=100'	Subject Property Boundary	**Site Vicinity Topographic Map** Sanitary Laundry & Dry Cleaning 625 North Broadway Knoxville, Tennessee	**Figure**
Topographic Map Date: NA	Checked By: EMS	S&ME		1
Topographic Map Revision: NA	Drawn By: TSS		Project No: 1434-11-392	
Contour Interval: 5 feet	Date: 07/14/2013			



Assessment Boundary
Passive Soil Vapor Collector
Sample Location
Former Underground Storage Tanks
Former Above Ground Storage Tank

Scale: As Shown	S&ME	**Passive Soil Vapor Collector Location** Former Sanitary Laundry Property 625 N. Broadway Knoxville, Tennessee	Figure 2
Checked By: EMS			
Drawn By: JRB			
Date: 10/23/13		Project No: 1434-11-392-007	



Assessment Boundary
Soil Probe Sample Location
Former Underground Storage Tanks
Former Above Ground Storage Tank

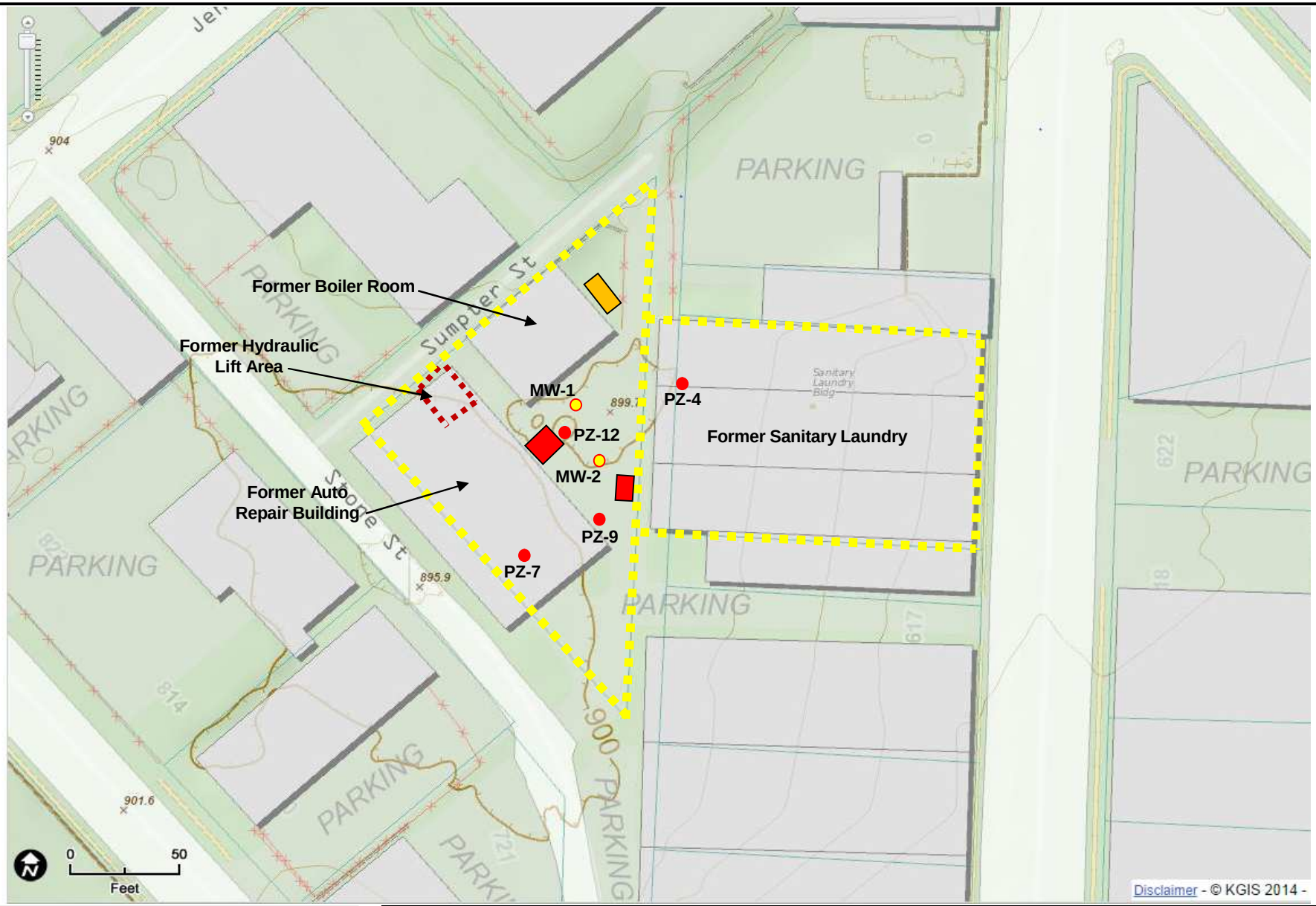
Scale: As Shown	
Checked By: JRB	
Drawn By: NJP	
Date: 7/21/2014	

S&ME

Soil Sample Location Map
Former Sanitary Laundry Property
625 N. Broadway
Knoxville, Tennessee

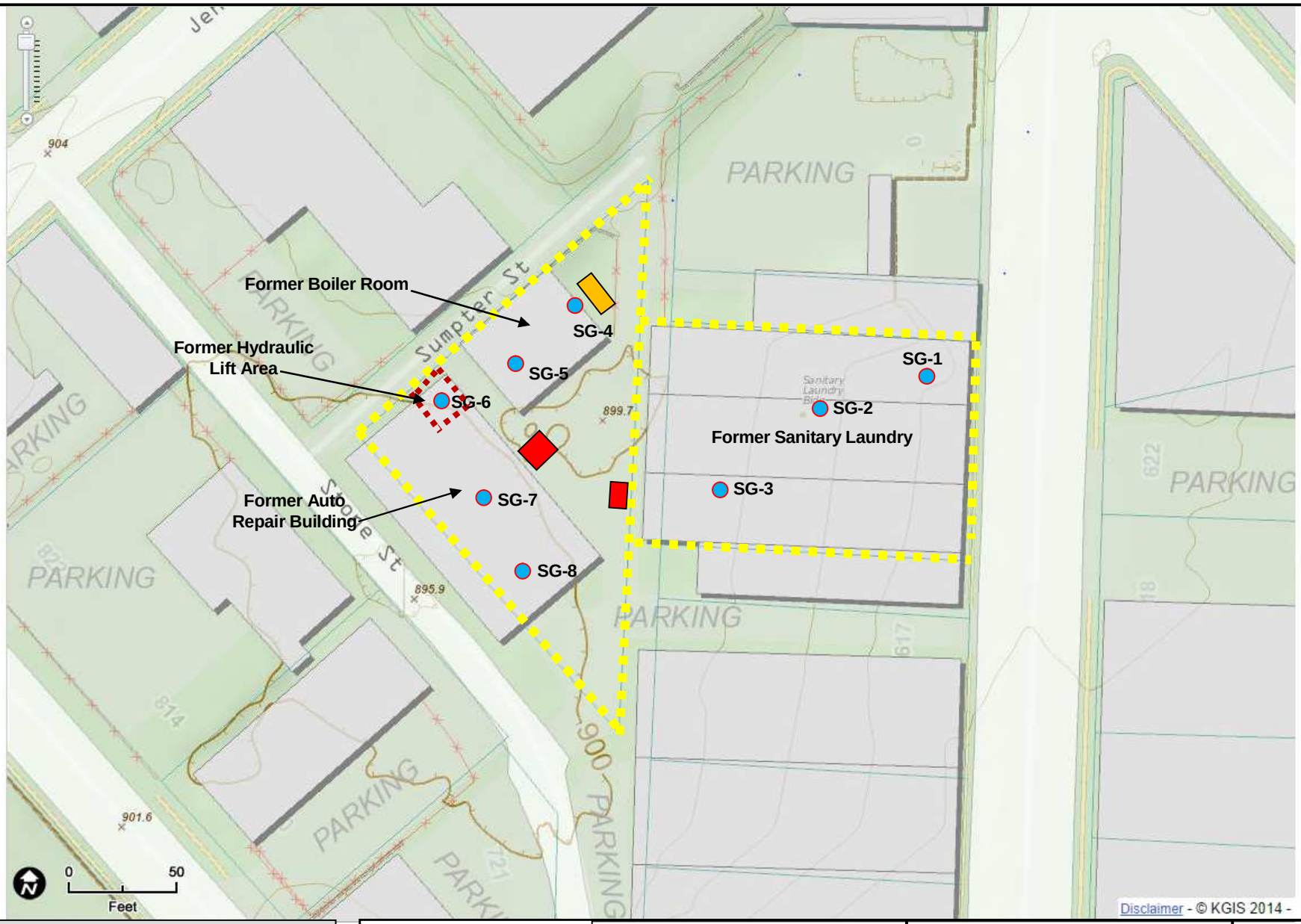
Project No: 1434-11-392-007

Figure
3



- Assessment Boundary
- Piezometer
- Existing Monitoring Well
- Former Underground Storage Tanks
- Former Above Ground Storage Tank

Scale: As Noted	S&ME	**Piezometer and Groundwater Monitoring Well Location Map** Former Sanitary Laundry Property 625 N. Broadway Knoxville, Tennessee	Figure
Checked By: JRB			4
Drawn By: NJP			
Date: 7/21/2014		Project No: 1434-11-392-007	



Assessment Boundary
Soil Gas Sample Location
Former Underground Storage Tanks
Former Above Ground Storage Tank

Scale: As Noted

Checked By: JRB

Drawn By: NJP

Date: 7/21/2014

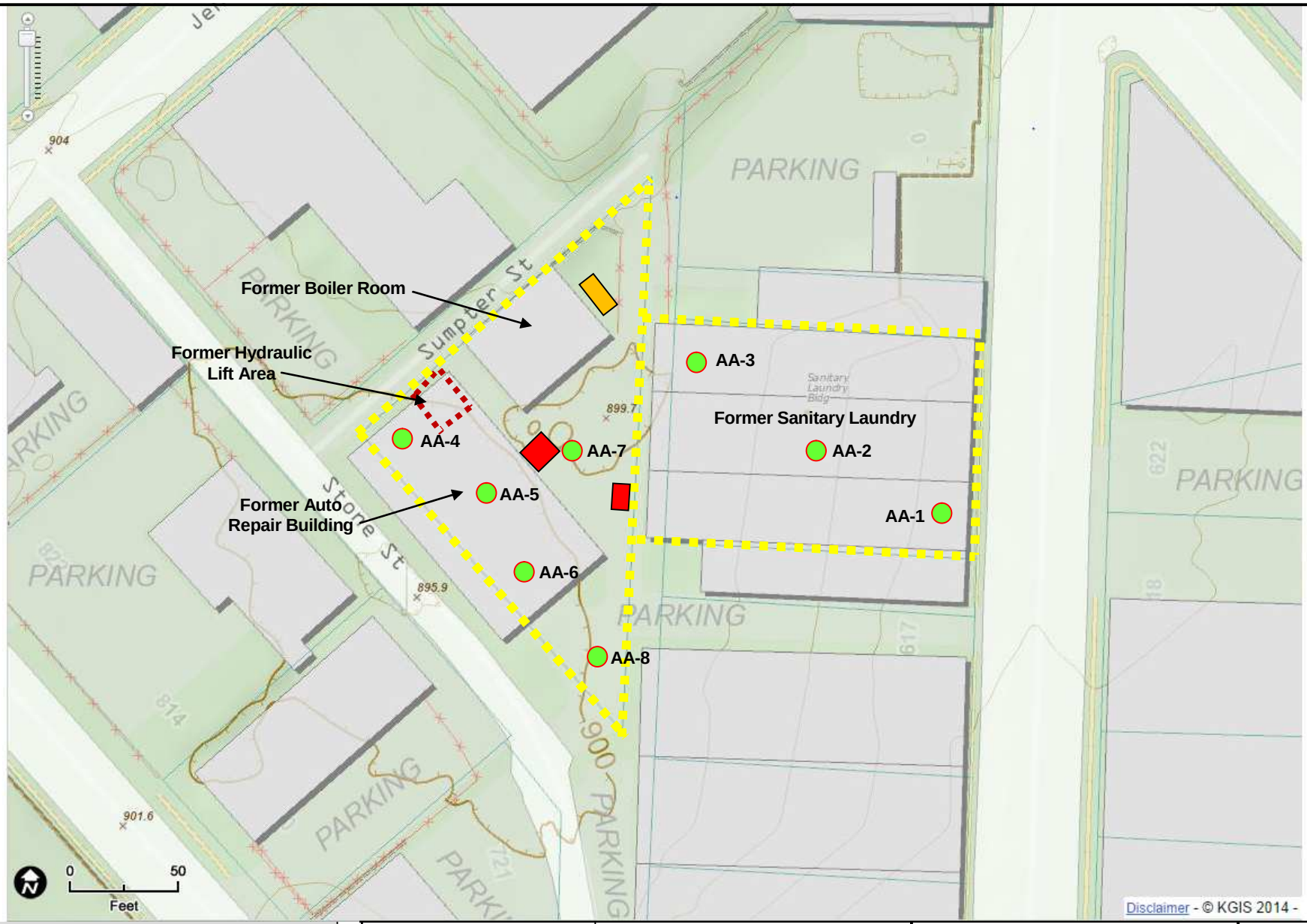
S&ME

Soil Gas Sample Location Map
Former Sanitary Laundry Property
625 N. Broadway
Knoxville, Tennessee

Project No: 1434-11-392-007

Figure

5



Assessment Boundary
Ambient Air Sample
Former Underground Storage Tanks
Former Above Ground Storage Tank

Scale: As Noted	
Checked By: JRB	
Drawn By: NJP	
Date: 7/21/2014	

S&ME

Ambient Air Sample Location Map
Former Sanitary Laundry Property
625 N. Broadway
Knoxville, Tennessee

Project No: 1434-11-392-007

Figure
6

APPENDIX I

Soil Probe Logs
Monitoring Well Schematics
Field Parameter Sheets

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-1
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 7 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete slab and crushed stone (13 inches)	11.4			1 REC 100%
			CLAY (CL)- Brown and yellow brown, moist, FILL	326			2 REC 100%
5				297			3 REC 100%
			CLAY (CL)- Yellow brown, moist with rock fragments, RESIDUUM				
			Encountered Refusal at 7.0 Feet.				
			Collected samples for analysis at 2.0 to 4.0 feet and 4.0 to 7.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

1. *THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.*
2. *CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.*
3. *STRATIFICATION DEPTHS ARE NOT EXACT.*

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-2**

DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 15.1 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete slab (3 inches)				1 REC 0%
			CLAY and crushed stone, soft, FILL Note: No recovery of material at this depth.				
5							
			CLAY (CL)- Gray green, moist to very moist, strong petroleum odor, RESIDUUM	348			2 REC 80%
10				1687			3 REC 80%
			Weathered Limestone- Gray, dry, hard				
15			Encountered Refusal at 15.1 Feet Collected sample for analysis from 10.0 to 15.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-3**

DATE DRILLED: **6/17/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 8 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete slab (7 inches)				
			Clay with crushed stone				1 REC 0%
			Note: No recovery of sample at this depth due to the presence of crushed stone.				2 REC 0%
			Crushed stone (5 inches)				
5			**CLAY (CL)**- Reddish brown, dry to moist with crushed stone.	56.7			3 REC 100%
			CLAY (CL)- Yellow and orange brown, moist.	8.0			4 REC 100%
			Encountered refusal at 8.0 feet.				
			Collected sample for analysis from 6.0 to 8.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-4**

DATE DRILLED: **6/17/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 19 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete Slab (5 inches)				
			Crushed Stone (4 inches)				
			CLAY (CL)- Red brown and orange brown, moist.	76.3			1 REC 30%
5							
			CLAY (CL)- Brown, moist, soft.	14.2			2 REC 100%
				5.2			3 REC 100%
10							
			CLAY (CL)- Yellow brown, moist with weathered shale fragments.	7			4 REC 100%
				6.7			5 REC 100%
15							
			CLAY (CH)- Brown, wet with weathered shale.				6 REC 100%
			Encountered Refusal at 19.0 feet				
			Collected samples for analysis from 0.75 to 5.0 feet and 12.5 to 15.0 feet.				
			Installed one inch piezometer to 12.5 feet and collected groundwater sample for analysis.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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2. ***CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.***
3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-5
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 7 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete slab (6 inches) Crushed stone (9.5 inches)	3.1			1 REC 100%
5			**CLAY (CH)**- Tan, yellow brown and reddish brown, dry to moist with moisture increasing at refusal depth.	5.1			2 REC 83%
				7.4			3 REC 100%
			Encountered Refusal at 7.0 Feet Collected sample for analysis at 5.0 to 7.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

1. *THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.*
2. *CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.*
3. *STRATIFICATION DEPTHS ARE NOT EXACT.*

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-6**

DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 18 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (6 inches)				
			Crushed stone (9 inches)				
			CLAY (CL)- Tan and brown, moist				
				402			1 REC 60%
5			**CLAY (CL)**- Black, very moist, stained.	226			2 REC 100%
				234			3 REC 100%
10				47.9			4 REC 100%
			Weathered Shale- Dry, hard	80.4			5 REC 100%
15				5.7			6 REC 80%
			Encountered Refusal at 18.0 Feet				
			Collected samples for analysis from 7.5 to 10.0 and 12.5 to 15.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.***
3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-7
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 22.5 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (6 inches) Crushed stone (3 inches) **CLAY (CH)**- Tan and reddish brown with crushed stone.	15.6			1 REC 40%
5			**CLAY (CL)**- Black and dark brown, very moist, with cinders, hydrocarbon odor.	88.7			2 REC 80%
				169			3 REC 80%
10			**Weathered Shale**- with lean clay, wet at 16.0 feet.	8.2			4 REC 80%
				9.5			5 REC 80%
15			Encountered Refusal at 16.0 Feet	17.1			6 REC 80%
			Collected sample for analysis from 7.5 to 10.0 and 15.0 to 17.5 feet. Collected MS/MSD sample for analysis from 7.5 to 10.0 feet.	38.2			7 REC 80%
20			Installed one inch piezometer to 16.0 feet and collected groundwater sample for analysis.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.***
3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT: Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG: **GP-8**

DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 11 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Crushed stone (12 inches)				
				45.7			1 REC 80%
				32			2 REC 80%
5			**CLAY (CL)**- Reddish brown, yellow brown and black with weathered shale, dry to moist.	6.5			3 REC 80%
				5.3			4 REC 80%
10				3.8			5 REC 100%
			Encountered Refusal at 11.0 Feet				
			Collected sample for analysis from 2.5 to 5.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-9
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 18 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (3 inches)				
			SAND (SP)- Reddish brown and black, coarse grained.	286			1 REC 60%
5				598			2 REC 80%
				1123			3 REC 80%
10			**CLAY (CH)**- Brown with slight green staining, very soft with strong hydrocarbon odor.	87.8			4 REC 80%
				682			5 REC 80%
15				1379			6 REC 80%
			Encountered Refusal at 18.0 Feet Collected sample for analysis at 7.5 to 10.0 feet and 15.0 to 18.0 feet. Installed one inch piezometer to 18.0 feet and collected groundwater sample for analysis.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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2. ***CORING AND SAMPLING IN GENERAL ACCORDANCE WITH ASTM D2113 AND ASTM D5434.***
3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-10**

DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 13 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Asphalt (1.2 inches) Concrete (4 inches) Crushed stone (2 inches) **SAND (SP)**- Black, coarse grained with brown clay and crushed stone, very moist, strong hydrocarbon odor.	501			1 REC 60%
5							
			CLAY (CH)- Brown, black and green, soft with stong hydrocarbon odor.	1510			2 REC 80%
10				1500			3 REC 100%
			Encountered Refusal at 13.0 Feet Collected samples for analysis from 5.0 to 10.0 feet and 10.0 to 13.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-11
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 12 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (3 inches)				
			Crushed stone (3 inches)				
			CLAY (CL)- Black, slightly moist with crushed stone.	818			1 REC 30%
5				110			2 REC 100%
			CLAY (CL)- Brown and light green, moist with weathered shale.	55.7			3 REC 80%
10				24.9			4 REC 100%
			Weathered Shale- Gray green, wet with hydrocarbon ordor.	2158			5 REC **100%**
			Encountered Refusal at 12.0 Feet.				
			Collected samples for analysis from 5.0 to 7.5 feet and 11.0 to 12.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

NOTES:

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-12**

DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 13.5 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (3 inches) Crushed Stone (3 inches)				
			CLAY (CL)- Black, wet, with crushed stone.	88.4			1 REC 20%
5			**CLAY (CL)**- Black and reddish brown, very moist.	448			2 REC 46%
10			**CLAY (CH)**- Brown, moist to wet at 12.0 feet, with weathered shale fragments.	213			3 REC 100%
			Encountered Refusal at 13.5 Feet Collected samples for analysis from 5.0 to 10.0 feet and 10.0 to 13.5 feet. Installed one inch piezometer to 13.5 feet and collected groundwater sample for analysis.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

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S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-13
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 11 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (3 inches) Crushed stone (3 inches) **SAND (SP)**- Dark brown and black coarse sand	124			1 REC 60%
5			**CLAY (CL)**- Reddish and yellow broown, moist to very moist with slight hydrocarbon odor.	0.0			2 REC 100%
				0.0			3 REC 100%
10				0.0			4 REC 80%
			Encountered Refusal at 11.0 Feet Collected samples for analysis from 0.6 to 5.0 feet and 10.0 to 11.0 feet. Duplicate sample collected from 10.0 to 11.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	Sanitary Laundry Knoxville, Tennessee S&ME Project No. 1434-11-392	BORING LOG:	GP-14
DATE DRILLED: **6/16/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**	
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 9 feet		
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**		
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**		

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (5 inches)				
			Crushed Stone (5 inches)				
				0.0			1 REC 34%
5			**CLAY (CL)**- Brown to yellow brown, moist.				
				0.0			2 REC 88%
			Encountered Refusal at 9.0 Feet				
			Collected sample for analysis from 5.0 to 9.0 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

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3. ***STRATIFICATION DEPTHS ARE NOT EXACT.***

S&ME

PROJECT:	BORING LOG:
Sanitary Laundry **Knoxville, Tennessee** **S&ME Project No. 1434-11-392**	**GP-15**

DATE DRILLED: **6/17/14**	ELEVATION: Not Recorded	NOTES: **Soil descriptions based on visual observation of obtained samples.**
DRILLING METHOD: **Geoprobe 6620DT**	BORING DEPTH: 14.8 feet	
LOGGED BY: **NJP**	WATER LEVEL @ TOB: **Not Recorded**	
DRILLER:	WATER LEVEL @ 24 hrs: **Not Recorded**	

DEPTH (feet)	GRAPHIC LOG	LITHOLOGIC UNIT	MATERIAL DESCRIPTION	PID/RAD (ppm/cpm)	WATER LEVEL	ELEVATION (feet)	SAMPLE NO. SAMPLE TYPE
			Concrete (3 inches) Crushed stone (3 inches) **CLAY (CL)**- Black and brown, soft, very moist, slight hydrocarbon ordor.	182			1 REC 100%
			CLAY (CL)- Reddish orange, soft, moist.	18.7			2 REC 100%
5				129			3 REC 100%
				18.4			4 REC 100%
10			**CLAY (CL)**- Tan and yellow brown, moist to wet at 13.0 feet, with weathered shale fragments.	9.6			5 REC 100%
				13			6 REC 100%
			Encountered Refusal at 14.8 Feet Collected samples for analysis from 1.0 to 2.0 feet and 5.0 to 7.5 feet.				

BORING LOG NEW - NO SPT DATA 1434-11-392-007.GPJ S&ME.GDT 7/21/14

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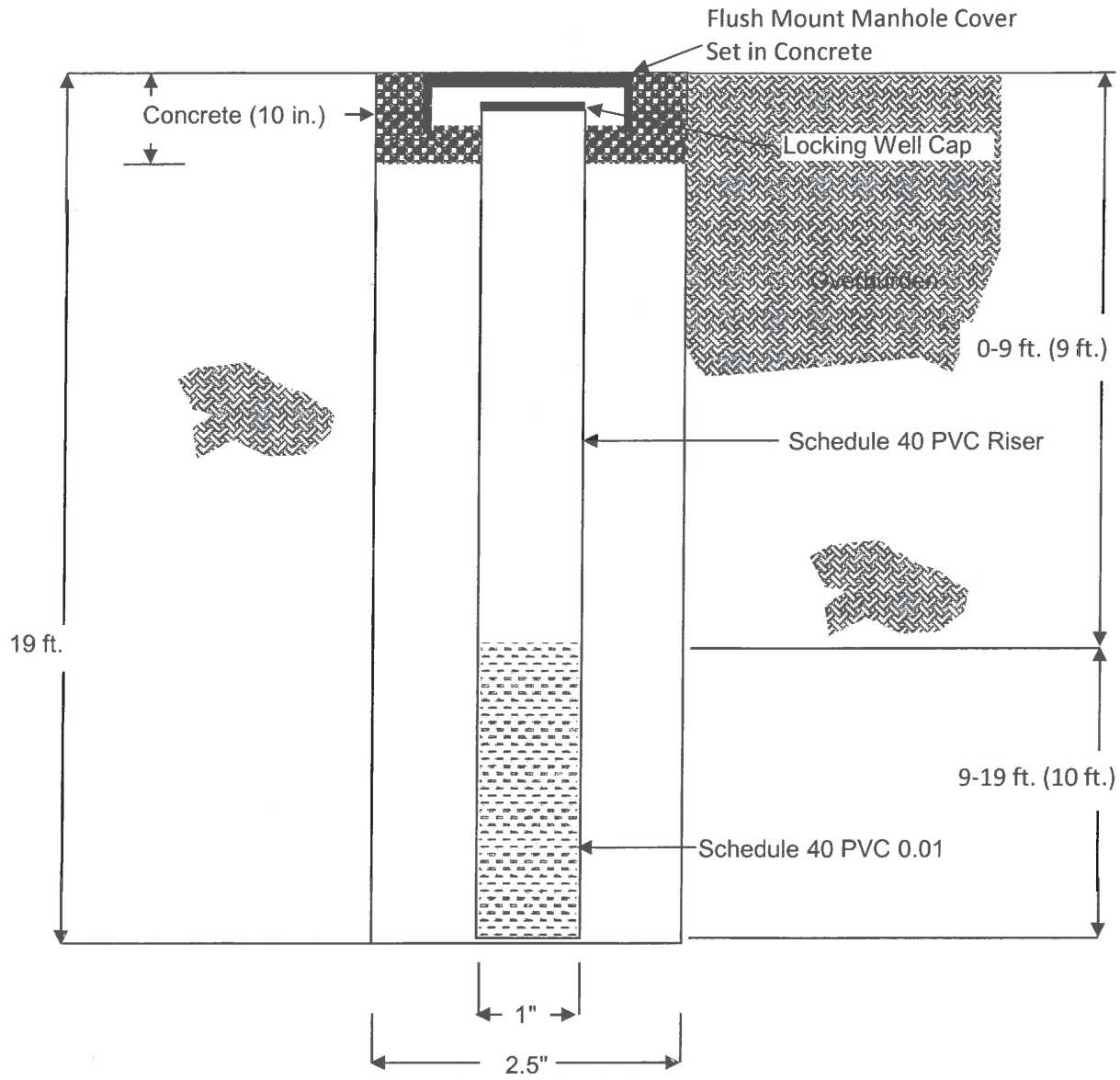
S&ME



Date Constructed	6/17/2014	Ground Surface Elev.	Not Provided
Boring Depth	19 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	19 ft
Length of Screen	10 ft	Length of Riser	9 ft

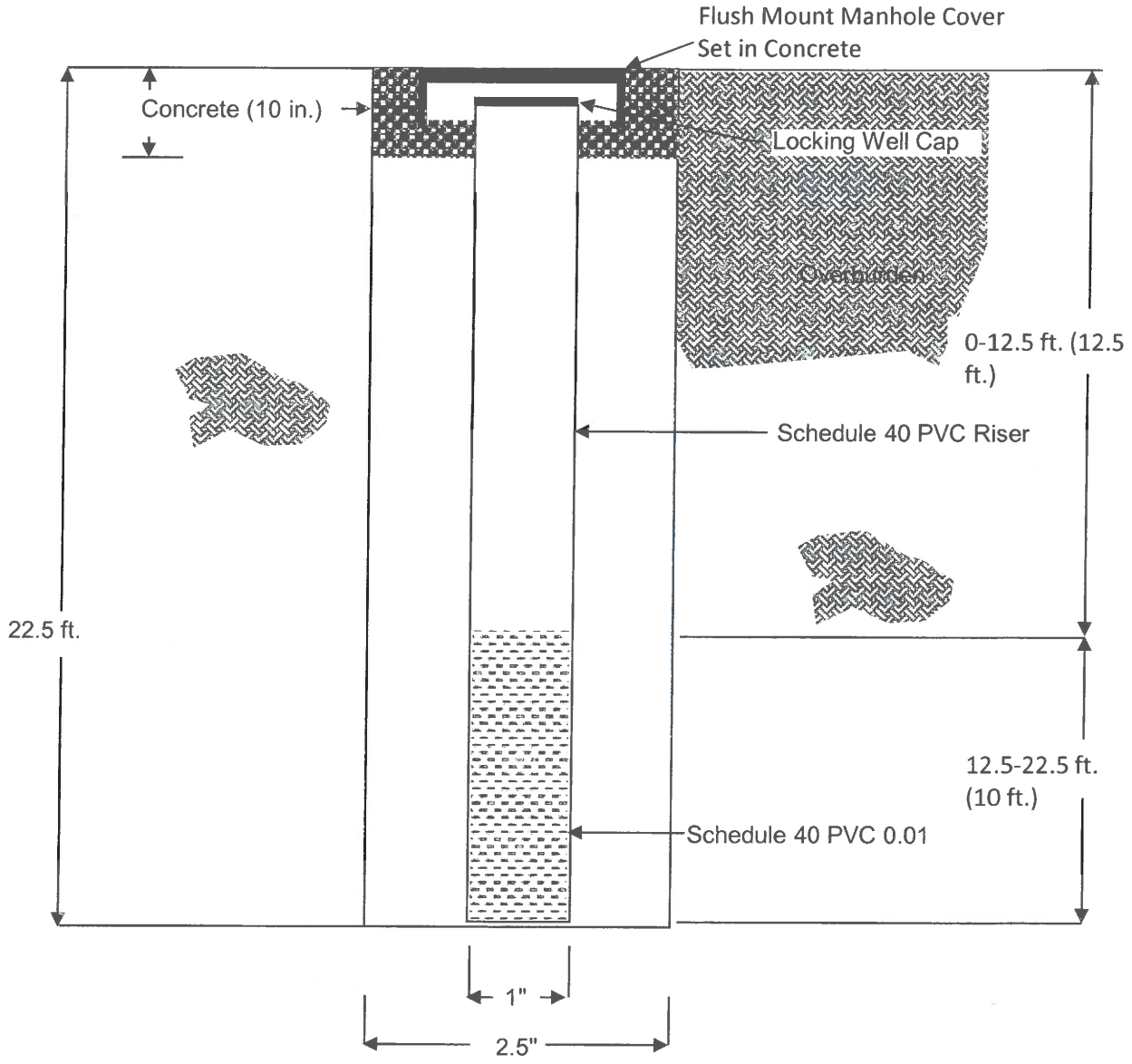
S&ME

Piezometer Construction Figure

Piezometer I.D.: PZ-4

Project Name: Former Sanitary Laundry | Project Number: 1431-11-392

Scale : NTS | Drawn By: RLR | Checked By: JRB | Date: 6/27/2014



Date Constructed	6/16/2014	Ground Surface Elev.	Not Provided
Boring Depth	22.5 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	22.5 ft
Length of Screen	10 ft	Length of Riser	12.5 ft

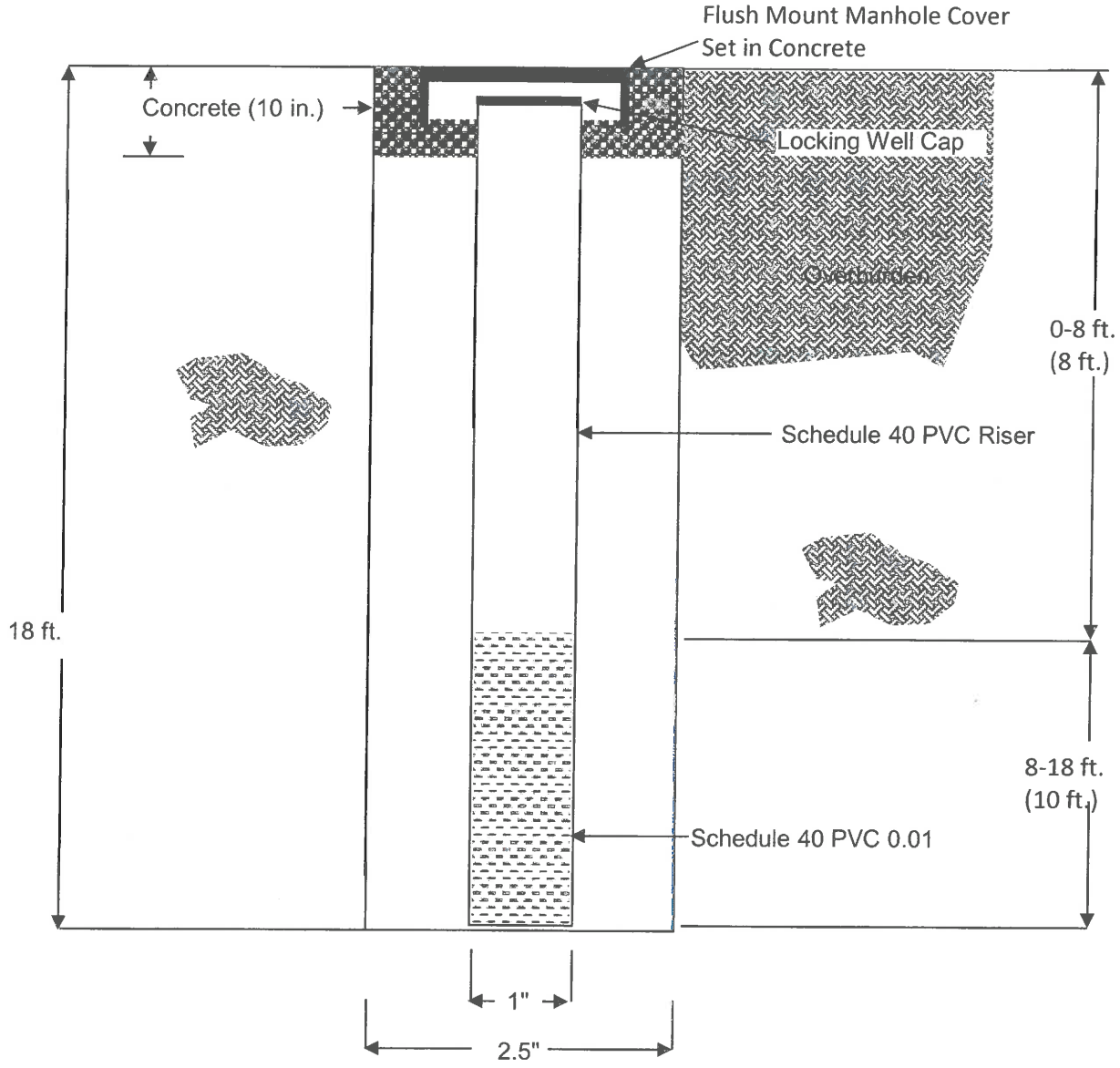
S&ME

Piezometer Construction Figure

Piezometer I.D.: PZ-7

Project Name: Former Sanitary Laundry | Project Number: 1431-11-392

Scale : NTS | Drawn By: RLR | Checked By: JRB | Date: 6/27/2014



Date Constructed	6/16/2014	Ground Surface Elev.	Not Provided
Boring Depth	18 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	18 ft
Length of Screen	10 ft	Length of Riser	8 ft

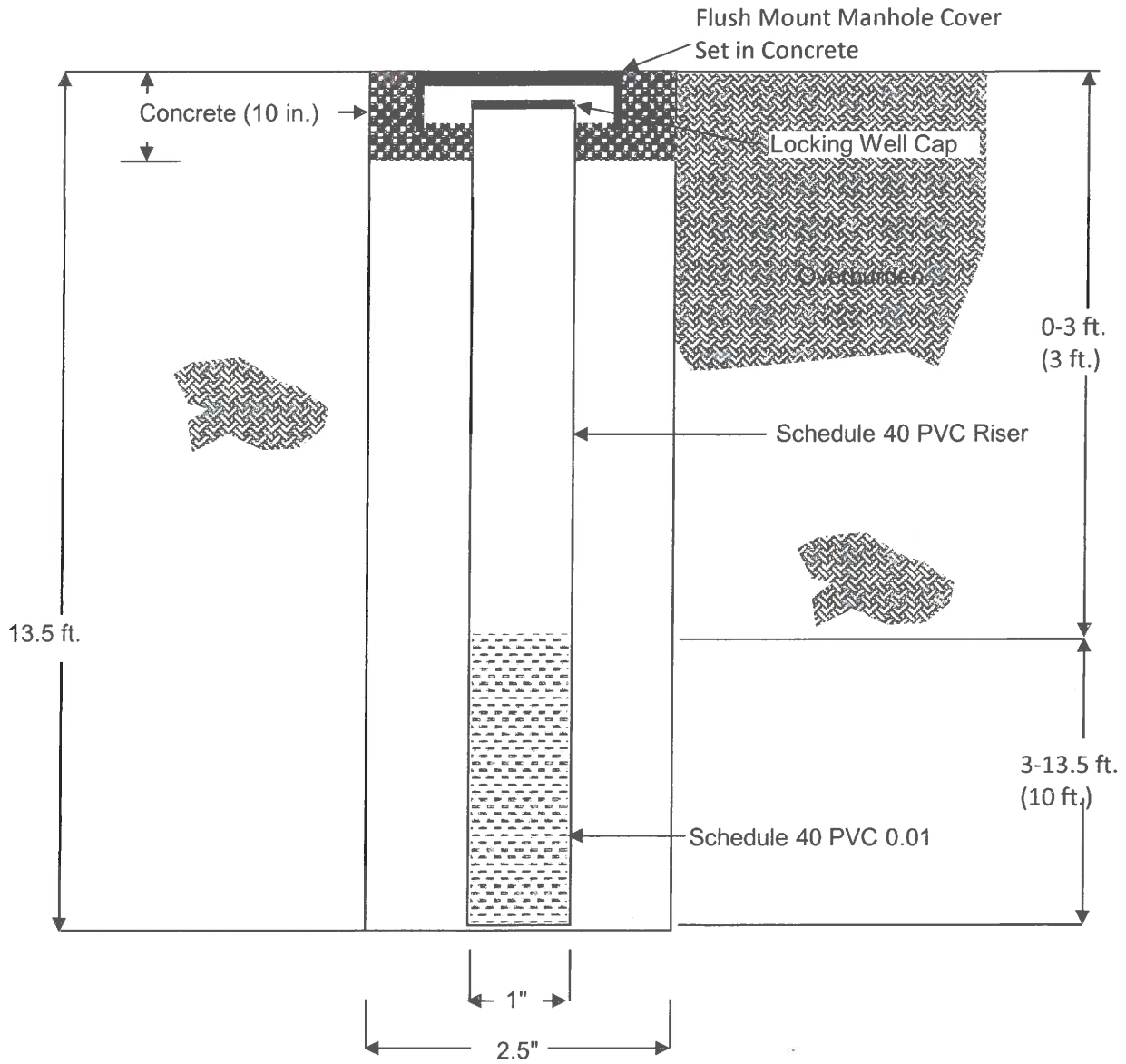
S&ME

Piezometer Construction Figure

Piezometer I.D.: PZ-9

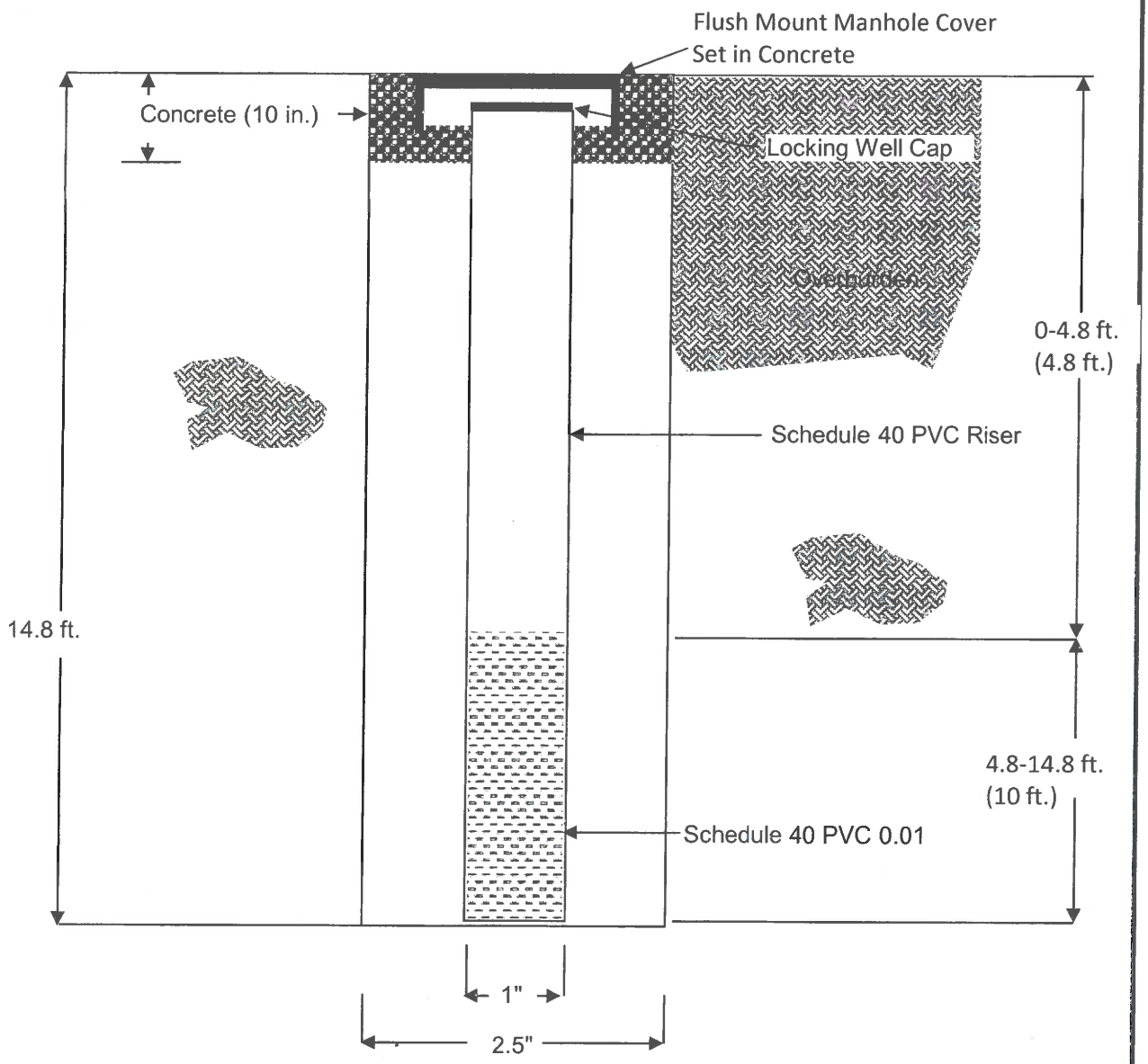
Project Name: Former Sanitary Laundry | Project Number: 1431-11-392

Scale : NTS | Drawn By: RLR | Checked By: JRB | Date: 6/27/2014



Date Constructed	6/16/2014	Ground Surface Elev.	Not Provided
Boring Depth	13.5 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	13.5 ft
Length of Screen	10 ft	Length of Riser	3 ft

S&ME	**Piezometer Construction Figure**		
	Piezometer I.D.: PZ-12		
	Project Name: Former Sanitary Laundry		Project Number: 1431-11-392
	Scale : NTS	Drawn By: RLR	Checked By: JRB	Date: 6/27/2014



Date Constructed	6/17/2014	Ground Surface Elev.	Not Provided
Boring Depth	14.8 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	14.8 ft
Length of Screen	10 ft	Length of Riser	4.8 ft

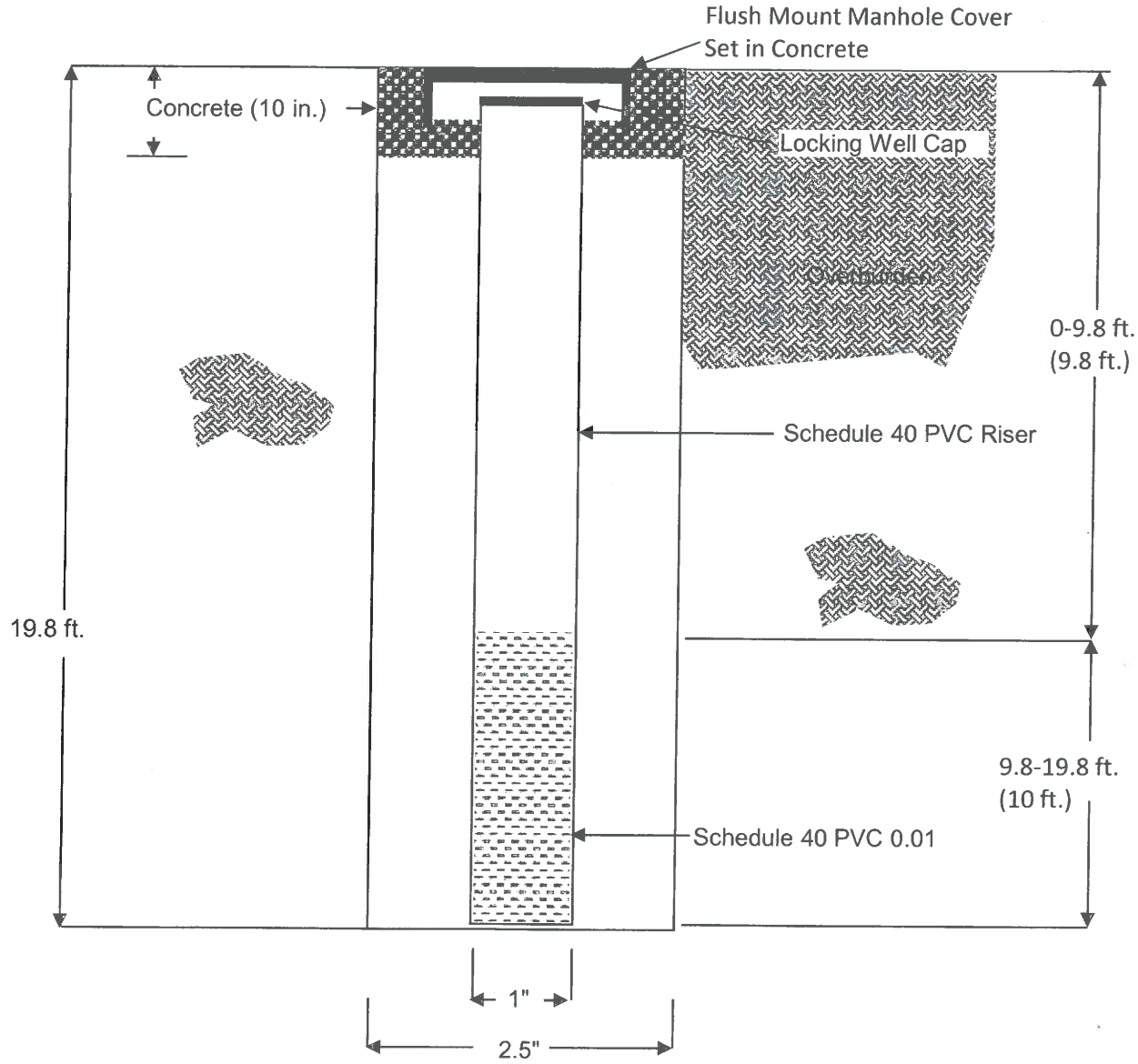
S&ME

Piezometer Construction Figure

Piezometer I.D.: PZ-15

Project Name: Former Sanitary Laundry | Project Number: 1431-11-392

Scale : NTS | Drawn By: RLR | Checked By: JRB | Date: 6/27/2014



Date Constructed	6/17/2014	Ground Surface Elev.	Not Provided
Boring Depth	19.8 ft	Boring Termination Elev.	Unknown
Casing	N/A	Total Well Depth	19.8 ft
Length of Screen	10 ft	Length of Riser	9.8 ft

S&ME

Piezometer Construction Figure

Piezometer I.D.: PZ-16

Project Name: Former Sanitary Laundry | Project Number: 1431-11-392

Scale : NTS | Drawn By: RLR | Checked By: JRB | Date: 6/27/2014

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **PZ-4**

Date: 6/19/2014

Sampled by: R. Russell

Depth to top of Water: 9.44 ft.

Well Diameter:	1	in.
Well Depth:	19.0	ft.
Water Level:	9.44	ft.
Depth of Water:	9.56	ft.
Volume of Water in Well:	0.4	gal
Purge Start Time:	10:36	
Purge Finish Time:	11:04	
Approx. Volume Purged:	2.25*	gal

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 19th and sampled on June 20th

PARAMETER TESTING

Date: 6/20/2014

		**Same Water		**Same Water	**Same Water
Time Read units	11:01	11:05	11:10	11:14	11:16
Temperature units (°C)	22.53	22.63	17.21	17.99	18.50
Conductivity units mS/cm	0.000	0.000	1.690	1.700	1.700
DO units mg/L	1.48	1.30	2.05	1.93	1.88
pH units unitless	8.85	8.91	7.84	7.84	7.84
Total Dissolve Solids units g/L	0	0	1.1	1.1	1.1
% Dissolved Oxygen units SAT	17.5	15.0	21.4	20.6	20.2
ORP units mV	204	224	71	38	24

Parameters were recorded during the water sampling event

Sampled at: 11:04

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **PZ-7**

Date: 6/19/2014

Sampled by: R. Russell

Depth to top of Water: 10.48 ft.

Well Diameter:	1	in.
Well Depth:	22.5	ft.
Water Level:	10.48	ft.
Depth of Water:	12.02	ft.
Volume of Water in Well:	0.5	gal
Purge Start Time:	9:14	
Purge Finish Time:	9:38	
Approx. Volume Purged:	1.5*	gal

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 19th and sampled later on June 19th

PARAMETER TESTING

Date: 6/19/2014

		**Same Water		**Same Water	**Same Water
Time Read units	2:51	2:54	2:58	3:02	3:06
Temperature units (°C)	19.93	20.58	18.7	20.02	20.64
Conductivity units mS/cm	1.016	1.028	0.001	0.000	0.000
DO units mg/L	1.61	1.41	2.04	1.37	1.27
pH units unitless	7.54	7.53	7.65	7.80	7.95
Total Dissolve Solids units g/L	0.7	0.7	0	0	0
% Dissolved Oxygen units SAT	18.0	15.7	26.1	15.0	14.1
ORP units mV	243	215	212	205	209

Parameters were recorded during the water sampling event

Sampled at: 2:53

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **PZ-9**

Date: 6/18/2014

Sampled by: R. Russell

Depth to top of Water: 8.93 ft.

Well Diameter:	1	in.
Well Depth:	18.0	ft.
Water Level:	8.93	ft.
Depth of Water:	9.07	ft.
Volume of Water in Well:	0.4	gal
Purge Start Time:	2:03	
Purge Finish Time:	2:29	
Approx. Volume Purged:	1.25*	gal

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 18th and sampled on June 19th

PARAMETER TESTING

Date: 6/19/2014

		**Same Water		**Same Water	
Time Read units	1:15	1:22	1:24	1:32	
Temperature units (°C)	20.07	22.27	18.5	20.9	
Conductivity units mS/cm	0.000	0.000	0.448	0.444	
DO units mg/L	1.71	0.97	1.54	0.36	
pH units unitless	7.63	7.57	7.60	7.57	
Total Dissolve Solids units g/L	0	0	0.3	0.3	
% Dissolved Oxygen units SAT	21.5	11.1	14.5	4.1	
ORP units mV	125	63	44	25	

Parameters were recorded during the water sampling event

Sampled at: 1:20

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **PZ-12**

Date: 6/18/2014

Sampled by: R. Russell

Depth to top of Water: 7.41 ft.

Well Diameter:	1	in.
Well Depth:	13.5	ft.
Water Level:	7.41	ft.
Depth of Water:	6.09	ft.
Volume of Water in Well:	0.2	gal
Purge Start Time:	1:30	
Purge Finish Time:	1:52	
Approx. Volume Purged:	1*	gal

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 18th and sampled on June 19th

PARAMETER TESTING

Date: 6/19/2014

			**Same Water	**Same Water	**Same Water
Time Read units	12:43	12:55	12:57	1:00	1:03
Temperature units (°C)	27.59	19.99	20.23	20.54	22.69
Conductivity units mS/cm	0.000	0.522	0.521	0.521	0.513
DO units mg/L	0.92	1.16	1.00	0.83	0.64
pH units unitless	8.40	7.89	7.87	7.87	7.80
Total Dissolve Solids units g/L	0	0.3	0.3	0.3	0.3
% Dissolved Oxygen units SAT	11.4	16.0	10.8	9.5	7.3
ORP units mV	331	212	191	183	154

Parameters were recorded during the water sampling event

Sampled at: 12:45

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **MW-1**

Date: 6/18/2014

Sampled by: R. Russell

Depth to top of Water: 9.71 ft.

Well Diameter:	2	in.
Well Depth:	23.9	ft.
Water Level:	9.71	ft.
Depth of Water:	14.19	ft.
Volume of Water in Well:	2.3	gal
Purge Start Time:	2:47	
Purge Finish Time:	3:05	
Approx. Volume Purged:	25*	gal

 # Duplicate sample collected

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 18th and sampled on June 19th

PARAMETER TESTING

Date: 6/19/2014

		**Same Water		**Same Water	**Same Water
Time Read units	1:56	2:04	2:07	2:17	2:22
Temperature units (°C)	19.59	21.32	18.95	20.73	22.17
Conductivity units mS/cm	0.324	0.346	0.355	0.347	0.344
DO units mg/L	2.18	1.90	2.02	1.72	1.64
pH units unitless	7.50	7.44	7.43	7.40	7.40
Total Dissolve Solids units g/L	0.2	0.2	0.2	0.2	0.2
% Dissolved Oxygen units SAT	23.7	21.2	21.6	19.3	18.9
ORP units mV	251	259	265	269	273

Parameters were recorded during the water sampling event

Sampled at: 2:00

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

FIELD PARAMETERS

Job Name : Sanitary Laundry
Job Number : 1434-11-392

Location ID #: **MW-2**

Date: 6/19/2014

Sampled by: R. Russell

Depth to top of Water:
7.78 ft.

Well Diameter:	2	in.
Well Depth:	12.94	ft.
Water Level:	7.78	ft.
Depth of Water:	5.16	ft.
Volume of Water in Well:	0.8	gal
Purge Start Time:	9:57	
Purge Finish Time:	10:21	
Approx. Volume Purged:	5*	gal

1 Well Volume in gallons =
0.0408 x well diameter(squared) x depth of water

* Piezometer was purged dry on June 19th and sampled on June 20th

PARAMETER TESTING

Date: 6/20/2014

		**Same Water		**Same Water	**Same Water
Time Read units	10:22	10:28	10:29	10:30	10:34
Temperature units (°C)	21.24	21.65	19.56	20.15	20.84
Conductivity units mS/cm	0.000	0.000	0.000	0.000	0.000
DO units mg/L	2.01	1.21	1.81	1.26	1.03
pH units unitless	9.01	8.99	7.87	7.89	7.90
Total Dissolve Solids units g/L	0	0	0	0	0
% Dissolved Oxygen units SAT	24.7	13.6	24.4	13.7	11.6
ORP units mV	316	315	290	273	243

Parameters were recorded during the water sampling event

Sampled at: 10:22

** Same Water - the same water sample was in flow cell - parameters were just recorded at a later time

APPENDIX II

Table 1 Soil Analytical Results Summary (Parts 1 and 2)
Table 2 Groundwater Analytical Summary
Table 3 Summary of Soil Gas Analytical Results
Table 4 Summary of Ambient Air Analytical Results
AGI Laboratory Analytical Reports
ESC Laboratory Analytical Reports

Table 1 (Part 1)
Soil Analytical Results Summary
Former Sanitary Laundry

	Sample ID	GP-1	GP-1	GP-2	GP-3	GP-4	GP-4	GP-5	GP-6	GP-6	GP-7	GP-7	GP-8	GP-9	GP-9	USEPA RSL (Residential Soil)	USEPA RSL (Industrial Soil)	TDEC DSWM
	Sampled Depth	2-4 ft.	4-7 ft.	10-15 ft.	4-6 ft.	0-5 ft.	12.5-15 ft.	5-7 ft.	7.5-10 ft.	12.5-15 ft.	7.5-10 ft.	15-17.5 ft.	2.5-5 ft.	7.5-10 ft.	15-18 ft.			
RCRA METALS	Mercury	0.03	0.033	<0.020	0.043	0.13	0.021	0.027	0.39	0.037	<0.020	<0.020	0.026	0.022	0.023	0.94	4	
	Arsenic	**6.6**	<10	<10	<20	<20	<20	**2.7**	**10**	**5.6**	**4.9**	<2.0	<10	**9.3**	**4**	0.67	3	
	Barium	59	120	110	82	50	120	90	130	64	83	77	87	41	64	1,500	22,000	
	Cadmium	<0.50	<2.5	<2.5	<5.0	<5.0	<5.0	<0.50	0.88	<0.50	<0.50	<0.50	<2.5	0.57	0.67	7	98	
	Chromium	22	28	28	22	16	22	23	31	21	22	23	26	26	24	12,000	180,000	
	Lead	15	12	12	12	25	16	7.4	57	29	34	8.5	27	28	21	400	800	
	Selenium	6.1	<10	<10	<20	<20	<20	5	11	5.3	6.8	5.3	<10	6.9	7.3	39	580	
VOLATILE ORGANIC COMPOUNDS	Acetone	<0.64	<0.70	<15	0.066	<0.89	<0.050	<0.61	<0.80	<0.66	<0.050	<0.050	<0.050	<14	<57	6,100	67,000	
	n-Butylbenzene	<0.013	<0.014	3.1	<0.0010	<0.018	<0.0010	<0.012	0.19	<0.013	<0.0010	<0.0010	<0.0010	0.51	1.2	390	5,800	
	sec-Butylbenzene	0.035	<0.014	2.6	<0.0010	<0.018	<0.0010	<0.012	0.17	<0.013	<0.0010	<0.0010	<0.0010	1.2	2.9	780	12,000	
	tert-Butylbenzene	0.024	<0.014	0.85	<0.0010	<0.018	<0.0010	<0.012	0.2	0.014	<0.0010	0.0025	<0.0010	0.65	1.3	780	12,000	
	Chlorobenzene	0.026	<0.014	<0.30	<0.0010	<0.018	<0.0010	<0.012	0.017	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	28	130	
	1,2-Dichlorobenzene	<0.013	<0.014	1.1	<0.0010	<0.018	<0.0010	<0.012	0.051	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	180	930	
	cis-1,2-Dichloroethene	0.17	0.073	<0.30	<0.0010	<0.018	0.0063	0.018	0.058	<0.013	0.0031	<0.0010	<0.0010	<0.27	<1.1	16	230	
	trans-1,2-Dichloroethene	<0.013	<0.014	<0.30	<0.0010	<0.018	0.0065	<0.012	<0.016	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	160	2,300	
	Ethylbenzene	<0.013	<0.014	0.34	<0.0010	<0.018	<0.0010	<0.012	<0.016	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	5.8	25	
	Isopropylbenzene	<0.013	<0.014	0.76	<0.0010	<0.018	<0.0010	<0.012	0.022	<0.013	<0.0010	<0.0010	<0.0010	0.28	<1.1	NL	NL	
	p-Isopropyltoluene	<0.013	<0.014	2.9	<0.0010	<0.018	<0.0010	<0.012	0.02	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	NL	NL	
	Naphthalene	<0.064	<0.070	3.6	<0.0050	<0.089	<0.0050	<0.061	<0.080	<0.065	<0.0050	<0.0050	<0.0050	<1.4	<5.7	3.8	17	
	n-Propylbenzene	<0.013	<0.014	2.5	<0.0010	<0.018	<0.0010	<0.012	0.092	<0.013	<0.0010	<0.0010	<0.0010	0.78	2.4	330	2,200	
	Tetrachloroethene	1.6	0.11	<0.30	0.06	1.7	<0.0010	0.57	1.0	<0.013	0.014	<0.0010	<0.0010	<0.27	<1.1	8.1	39	
	Trichloroethene	**0.5**	0.058	<0.30	<0.0010	<0.018	0.0081	0.073	0.034	<0.013	0.0029	<0.0010	<0.0010	<0.27	<1.1	0.41	1.9	
	1,2,4-Trimethylbenzene	0.18	<0.014	**25**	0.0033	<0.018	<0.0010	<0.012	0.19	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	5.8	24	
	1,2,3-Trimethylbenzene	0.048	<0.014	**7.7**	0.0013	<0.018	<0.0010	<0.012	0.03	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	4.9	21	
	Vinyl chloride	<0.013	<0.014	<0.30	<0.0010	<0.018	0.0012	<0.012	<0.016	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	0.059	1.7	
	1,3,5-Trimethylbenzene	0.05	<0.014	7.3	0.0012	<0.018	<0.0010	<0.012	0.039	<0.013	<0.0010	<0.0010	<0.0010	<0.27	<1.1	78	1,200	
	Xylenes, Total	<0.038	<0.042	<0.88	<0.0030	<0.053	<0.0030	<0.037	0.061	<0.040	<0.0030	<0.0030	<0.0030	<0.81	<3.4	58	250	
	TPH (GC/FID) Low Fraction	3.2	<0.10	***330***	0.18	<0.10	<0.10	<0.10	11	1.6	<0.10	<0.10	<0.10	***140***	***260***			100
	Extractable Petroleum Hydrocarbon	<4.0	<4.0	***320***	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	23	***160***			
POLYNUCLEAR AROMATIC COMPOUNDS	Anthracene	<0.033	<0.033	<0.033	<0.033	0.036	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	1,700	23,000	
	Benzo(a)anthracene	**0.19**	<0.033	<0.033	<0.033	**0.35**	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.15	2.9	
	Benzo(a)pyrene	**0.25**	<0.033	<0.033	<0.033	**0.34**	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.015	0.29	
	Benzo(b)fluoranthene	**0.37**	<0.033	<0.033	<0.033	**0.45**	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.15	2.9	
	Benzo(g,h,i)perylene	0.22	<0.033	<0.033	<0.033	0.23	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	NL	NL	
	Benzo(k)fluoranthene	0.11	<0.033	<0.033	<0.033	0.12	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	1.5	29	
	Chrysene	0.24	<0.033	<0.033	<0.033	0.34	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	15	290	
	Dibenz(a,h)anthracene	**0.053**	<0.033	<0.033	<0.033	**0.064**	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.015	0.29	
	Fluoranthene	0.35	<0.033	0.057	<0.033	0.62	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	230	3,000	
	Indeno(1,2,3-cd)pyrene	**0.17**	<0.033	<0.033	<0.033	**0.18**	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.15	2.9	
	Naphthalene	0.068	<0.033	**8.2**	<0.033	<0.033	<0.033	<0.033	0.14	<0.033	<0.033	<0.033	<0.033	<0.033	0.31	3.8	17	
	Phenanthrene	0.18	<0.033	0.053	<0.033	0.2	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	NL	NL	
	Pyrene	0.3	<0.033	0.05	<0.033	0.55	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	NL	NL	

NOTES:
Bold concentrations exceed EPA Residential RSL Values
Bold concentrations in shaded cells exceed EPA Industrial and Residential RSL Values
Values highlighted in the shaded cells with bold and italicized font are above the Tennessee Department of Environment and Concervation's Division of Solid Waste Management's Cleanup Levels
NL - Not Listed

Table 1 (Part 2)
Soil Analytical Results Summary
Former Sanitary Laundry

	Sample ID	GP-10	GP-10	GP-11	GP-11	GP-12	GP-12	GP-13	GP-13	Field Dup (GP-14)	GP-14	GP-15	GP-15	Trip Blank	USEPA RSL (Residential Soil)	USEPA RSL (Industrial Soil)	TDEC DSWM
	Sampled Depth	5-10 ft.	10-13 ft.	5-7.5 ft.	11-12 ft.	5-10 ft.	10-13.5 ft.	0.6-5 ft.	10-11 ft.		5-9 ft.	1-2 ft.	5-7.5 ft.				
RCRA METALS	Mercury	0.095	0.026	0.19	<0.020	0.043	<0.020	0.037	<0.020	0.057	0.035	**2.3**	<0.020	NA	0.94	4	
	Arsenic	**6.8**	**5.6**	**9.6**	**6.7**	**9.3**	<20	**3.1**	<20	<20	<20	**38**	<20	NA	0.67	3	
	Barium	82	70	140	51	100	120	51	140	110	110	76	65	NA	1,500	22,000	
	Cadmium	0.5	<0.50	0.66	<0.50	0.61	<5.0	0.5	<5.0	<5.0	<5.0	<5.0	<5.0	NA	7	98	
	Chromium	23	20	26	19	20	25	18	22	30	26	10	22	NA	12,000	180,000	
	Lead	42	11	43	14	72	12	20	23	18	18	120	8.2	NA	400	800	
	Selenium	6.1	6.6	10	4.6	<2.0	<20	<2.0	<20	<20	<20	<20	<20	NA	39	580	
VOLATILE ORGANIC COMPOUNDS	Benzene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	0.04	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	1.2	5.1	
	n-Butylbenzene	1.3	0.0086	<0.0010	<0.0010	0.02	0.02	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	390	5,800	
	sec-Butylbenzene	4.6	<0.0010	<0.0010	<0.0010	0.0074	0.0092	0.0037	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	780	12,000	
	tert-Butylbenzene	1.4	0.1	<0.0010	<0.0010	<0.0010	<0.0010	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	780	12,000	
	Chlorobenzene	<0.98	0.023	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	28	130	
	1,2-Dichlorobenzene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	180	930	
	cis-1,2-Dichloroethene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.31	<0.0010	16	230	
	trans-1,2-Dichloroethene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.001	<0.0010	160	2,300	
	Ethylbenzene	<0.98	<0.0010	<0.0010	<0.0010	0.003	0.067	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5.8	25	
	Isopropylbenzene	<0.98	0.0087	<0.0010	<0.0010	0.009	0.032	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NL	NL	
	p-Isopropyltoluene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	0.0017	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NL	NL	
	Naphthalene	<4.9	<0.0050	<0.0050	<0.0050	0.021	0.06	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	3.8	17	
	n-Propylbenzene	2.8	0.021	<0.0010	<0.0010	0.03	0.093	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	330	2,200	
	Tetrachloroethene	<0.98	<0.0010	<0.0010	<0.0010	0.0032	<0.0010	<0.0010	0.018	0.013	0.053	**28**	0.9	<0.0010	8.1	39	
	Trichloroethene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0019	0.092	<0.0010	0.41	1.9	
	1,2,4-Trimethylbenzene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	5.8	24	
	1,2,3-Trimethylbenzene	<0.98	<0.0010	<0.0010	<0.0010	0.0021	0.0034	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	4.9	21	
	1,3,5-Trimethylbenzene	<0.98	<0.0010	<0.0010	<0.0010	<0.0010	0.0027	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	78	1,200	
	Xylenes, Total	<2.9	<0.0030	<0.0030	<0.0030	<0.0030	0.0078	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	58	250	
	TPH (GC/FID) Low Fraction	***150***	***160***	<0.10	<0.10	71	57	<0.10	<0.10	<0.10	<0.10	0.15	0.14	NA			
	Extractable Petroleum Hydrocarbon	***140***	4.3	<4.0	<4.0	***180***	<4.0	<4.0	<4.0	<4.0	<4.0	***130***	<4.0	NA			100
POLYNUCLEAR AROMATIC COMPOUNDS	Anthracene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.4	<0.033	NA	1,700	23,000	
	Acenaphthene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.22	<0.033	NA	350	4,500	
	Benzo(a)anthracene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	**1.1**	<0.033	NA	0.15	2.9	
	Benzo(a)pyrene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	**1**	<0.033	NA	0.015	0.29	
	Benzo(b)fluoranthene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	**1.3**	<0.033	NA	0.15	2.9	
	Benzo(g,h,i)perylene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.71	<0.033	NA	NL	NL	
	Benzo(k)fluoranthene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.37	<0.033	NA	1.5	29	
	Chrysene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.94	<0.033	NA	15	290	
	Dibenz(a,h)anthracene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	**0.16**	<0.033	NA	0.015	0.29	
	Fluoranthene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	2.9	<0.033	NA	230	3,000	
	Fluorene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.2	<0.033	NA	230	3,000	
	Indeno(1,2,3-cd)pyrene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	**0.6**	<0.033	NA	0.15	2.9	
	Naphthalene	<0.033	0.055	<0.033	<0.033	0.12	0.28	<0.033	<0.033	<0.033	<0.033	0.1	<0.033	NA	3.8	17	
	Phenanthrene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	1.8	<0.033	NA	NL	NL	
	Pyrene	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	2.2	<0.033	NA	NL	NL	

NOTES:
Bold concentrations exceed EPA Residential RSL Values
Bold concentrations in shaded cells exceed EPA Industrial and Residential RSL Values
Values highlighted in the shaded cells with bold and italicized font are above the Tennessee Department of Environment and Concervation's Division of Solid Waste Management's Cleanup Levels
NL - Not Listed
NA - Not Analyzed

Table 2
Groundwater Analytical Summary Table
Former Sanitary Laundry

Sample ID	PZ-4	PZ-7	PZ-9	PZ-12	MW-1	Field Dup (MW-1)	MW-2	Trip Blank	US EPA RSLs (mg/l)	US EPA Drinking Water MCLs (mg/l)	TDEC DSWM Cleanup Level (mg/l)
Date Collected	6/20/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/19/14	6/20/14			
Arsenic	0.0052	0.0037	**0.11**	**0.017**	0.0034	0.0047	0.0059	NA	0.052	0.01	
Mercury	<0.00020	<0.00020	0.0011	0.00098	0.00022	<0.00020	<0.00020	NA	0.063	0.002	
Barium	**0.39**	0.36	2.8	1.2	0.42	0.41	0.17	NA	0.38	2	
Chromium	0.048	0.064	0.63	0.096	0.038	0.038	<0.010	NA	2.2	0.1	
Lead	**0.05**	**0.038**	**0.4**	**0.52**	**0.14**	**0.12**	**0.024**	NA	NL	0.015	
Benzene	<0.0010	<0.0010	<0.0033	**0.054**	<0.10*	<0.10*	**0.013**	<0.0010	0.00045	0.005	
n-Butylbenzene	<0.0010	<0.0010	0.025	0.029	<0.10	<0.10	0.0044	<0.0010	0.1	NL	
sec-Butylbenzene	<0.0010	<0.0010	0.047	0.014	<0.10	<0.10	0.0056	<0.0010	0.2	NL	
tert-Butylbenzene	<0.0010	0.003	0.031	<0.010	<0.10*	<0.10*	<0.0010	<0.0010	0.069	NL	
Chlorobenzene	0.0016	<0.0010	0.081	<0.010	<0.10*	<0.10*	<0.0010	<0.0010	0.0078	0.1	
1,2-Dichlorobenzene	<0.0010	0.022	<0.010	<0.010	**0.16**	**0.12**	<0.0010	<0.0010	0.03	NL	
1,1-Dichloroethene	0.0013	0.001	<0.010	<0.010	<0.10**	<0.10**	<0.0010	<0.0010	0.028	0.007	
cis-1,2-Dichloroethene	**0.068**	**0.56**	<0.10**	<0.10**	**8.9**	**8.1**	0.0011	<0.0010	0.0036	0.07	
trans-1,2-Dichloroethene	**0.037**	0.0038	<0.010	<0.010	<0.10*	<0.10*	<0.0010	<0.0010	0.036	0.1	
Ethylbenzene	<0.0010	<0.0010	<0.010	**0.18**	<0.10*	<0.10*	0.0018	<0.0010	0.0015	0.7	
Isopropylbenzene	<0.0010	<0.0010	0.033	0.06	<0.10	<0.10	0.028	<0.0010	NL	NL	
Naphthalene	<0.0050	<0.0050	<0.050	**0.25**	<0.50	<0.50	**0.012**	<0.0050	0.0017	NL	
n-Propylbenzene	<0.0010	<0.0010	**0.075**	**0.16**	<0.10*	<0.10*	0.062	<0.0010	0.066	NL	
Tetrachloroethene	0.003	**4.7**	**0.005**	<0.010	**1.7**	**2**	**0.0057**	<0.0010	0.0041	0.005	
Trichloroethene	**0.024**	**0.47**	<0.010	<0.010	**4**	**4.2**	<0.0010	<0.0010	0.0028	0.005	
1,2,4-Trimethylbenzene	<0.0010	<0.0010	**0.1**	**0.19**	<0.10*	<0.10*	<0.0010	<0.0010	0.0015	NL	
1,2,3-Trimethylbenzene	<0.0010	<0.0010	<0.010	**0.07**	<0.10*	<0.10*	**0.0024**	<0.0010	0.001	NL	
1,3,5-Trimethylbenzene	<0.0010	<0.0010	**0.025**	**0.053**	<0.10*	<0.10*	<0.0010	<0.0010	0.012	NL	
Vinyl chloride	**0.0028**	**0.02**	<0.010	<0.010	<0.10**	<0.10**	<0.0010	<0.0010	0.00019	0.002	
Xylenes, Total	<0.0030	<0.0030	<0.030	**0.14**	<0.30*	<0.30*	0.0077	<0.0030	0.019	10	
TPH (GC/FID) Low Fraction	<0.10	***1.3***	0.87	***4.7***	***4.7***	***4.6***	0.98	NA			
Extractable Petroleum Hydrocarbons	0.57	0.93	***2.4***	***4.7***	0.71	0.81	0.68	NA			1
Anthracene	<0.000050	<0.000050	<0.000050	0.00028	<0.00010	<0.000050	<0.000050	NA	1.8	NL	
Acenaphthene	0.000092	<0.000050	0.00009	0.0012	<0.00010	<0.000050	0.00019	NA	0.053	NL	
Acenaphthylene	<0.000050	<0.000050	<0.000050	0.00033	<0.00010	<0.000050	<0.000050	NA	NL	NL	
Benzo(a)anthracene	<0.000050	<0.000050	<0.000050	**0.000096**	<0.00010	<0.000050	<0.000050	NA	0.000034	NL	
Benzo(a)pyrene	<0.000050*	<0.000050*	<0.000050*	**0.000061**	<0.00010*	<0.000050*	<0.000050*	NA	0.0000034	0.0002	
Benzo(b)fluoranthene	<0.000050*	<0.000050*	<0.000050*	**0.000081**	<0.00010*	<0.000050*	<0.000050*	NA	0.000034	NL	
Benzo(g,h,i)perylene	<0.000050	<0.000050	<0.000050	0.000053	<0.00010	<0.000050	<0.000050	NA	NL	NL	
Chrysene	<0.000050	<0.000050	<0.000050	0.000094	<0.00010	<0.000050	<0.000050	NA	0.0034	NL	
Fluoranthene	<0.000050	<0.000050	<0.000050	0.00029	<0.00010	<0.000050	<0.000050	NA	0.08	NL	
Fluorene	<0.000050	<0.000050	0.000076	0.0011	<0.00010	<0.000050	0.00014	NA	0.029	NL	
Naphthalene	**0.0012**	<0.00025	**0.024**	**0.26**	0.00078	0.00084	**0.017**	NA	0.0017	NL	
Phenanthrene	0.00012	<0.000050	0.000096	0.0011	<0.00010	<0.000050	<0.000050	NA	NL	NL	
Pyrene	<0.000050	<0.000050	<0.000050	0.00033	<0.00010	<0.000050	<0.000050	NA	0.012	NL	

NOTES:
Bold concentrations exceed the United States Environmental Protection Agency's (US EPA) Regional Screening Levels (RSLs)
Bold concentrations in shaded cells with bold font exceed the US EPA Maximum Cleanup Levels (MCLs)
Shaded cells with bold and italicized font exceed the Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM) Cleanup Levels
* Detection limit exceeds RSL
** Detection limit exceeds RSL and MCL
NL - Not Listed
NA - Not Analyzed

Table 3
Summary of Soil Gas Analytical Results
Former Sanitary Laundry

Sample ID	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SG-7	SG-8	Duplicate	EPA RSL Residential Air	EPA RSL Industrial Air
Benzene	**3.5**	**3.2**	**110**	**0.83**	**9.3**	**2.7**	**0.42**	**4.2**	**0.45**	0.36	1.6
Carbon tetrachloride	0.25	1.6	<3.1	**1.1**	**0.54**	0.15	<0.13	**8.2**	<0.13	0.47	2
Chloroethane	<0.11	<0.11	14	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	NL	NL
Chloroform	**0.35**	**0.29**	**39**	**2.3**	**0.34**	**0.17**	**0.33**	**48**	**0.34**	0.12	0.53
Chloromethane	<0.062	<0.062	<1.5	<0.062	<0.062	<0.062	<0.062	0.99	<0.062	94	390
1,1-Dichloroethane	<0.080	<0.080	**76**	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	1.8	7.7
1,1-Dichloroethene	<0.079	<0.079	**630**	<0.079	<0.079	<0.079	<0.079	0.48	<0.079	210	880
cis-1,2-Dichloroethene	0.21	0.52	21000	3.9	<0.079	<0.079	0.31	1300	0.35	NE	NE
trans-1,2-Dichloroethene	<0.079	<0.079	480	0.17	<0.079	<0.079	<0.079	190	<0.079	NE	NE
Ethylbenzene	**1.5**	**2**	**<3.3**	<0.13	**4.3**	**4.8**	0.25	**2.6**	0.29	1.1	4.9
Tetrachloroethylene	**2100**	**7500**	**68000**	**16000**	**8800**	**5800**	**5600**	**11000**	**5200**	11	47
1,1,1-Trichloroethane	6.5	<0.11	<2.7	0.44	<0.11	4.4	9.2	<0.11	9.8	5200	22000
Trichloroethylene	**0.96**	**20**	**10000**	**100**	**1.8**	**2.6**	**2.1**	**1800**	**2.7**	0.48	3
Vinyl chloride	<0.051	<0.051	**660**	<0.051	<0.051	<0.051	<0.051	**0.31**	<0.051	0.17	2.8

Notes

All samples collected on 7/3/14 from a depth of 36"

All concentrations are reported in micrograms per cubic meter (µg/m³)

Bold concentrations exceed the Environmental Protection Agency's (EPA's) Regional Screening Level (RSL) for Residential air

Bold and shaded concentrations exceed the RSLs for both Residential and Industrial air

Duplicate sample collected from SG-7 location

Table 4
Summary of Ambient Air Analytical Results
Former Sanitary Laundry

Sample ID	AA-1	AA-2	AA-3	AA-4	AA-5	AA-6	AA-7	AA-8	EPA Residential Air RSL	EPA Industrial Air RSL
Date Collected	6/12/14	6/12/14	6/12/14	6/13/14	6/13/14	6/13/14	6/13/14	6/13/14		
Benzene	**0.45**	**0.45**	**0.38**	**0.86**	**0.83**	**0.99**	**0.51**	**1.5**	0.36	1.6
Carbon tetrachloride	0.47	0.44	0.44	0.46	0.44	0.42	0.42	0.43	0.47	2.0
Chloroform	**0.97**	**0.32**	**0.22**	**0.18**	**0.13**	0.12	0.10	0.11	0.12	0.53
Chloromethane	**13**	1.1	1.1	1.0	1.0	1.1	0.91	0.95	9.4	39
1,4-Dichlorobenzene	0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.26	1.1
cis-1,2-Dichloroethene	2.5	3.2	1.2	0.1	0.14	<0.079	0.15	<0.079	NE	NE
trans-1,2-Dichloroethene	0.083	0.1	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	NE	NE
Ethylbenzene	**3.2**	**2.6**	0.69	0.87	0.95	**1.6**	0.36	0.56	1.1	4.9
Tetrachloroethylene	**33**	**46**	**17**	0.48	0.43	0.49	0.56	2.4	4.2	18
Trichloroethylene	**4.8**	**6.4**	**2.3**	<0.11	<0.11	<0.11	0.17	<0.11	0.21	0.88

Notes
All results reported in micrograms per cubic meter, ug/m3
RSL - Regional Screening Level
NE - Not Established
Bold values exceed the EPA Residential air RSL
Shaded cells indicate concentrations that exceed both Residential and Industrial air RSLs

AMPLIFIED GEOCHEMICAL IMAGING, LLC

Laboratory Report

Site: Former Sanitary Laundry

Prepared for:

S&ME, INC
1413 TOPSIDE ROAD
LOUISVILLE, TN

Prepared on:
April 17, 2014

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Project Summary and Objective

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:

Former Sanitary Laundry

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described below for the requested organic compounds, reporting of the data, and contour mapping (as needed).

This report includes results for only the samples noted under the Laboratory Sample Report section. If contour maps are part of the project deliverable, the maps will be prepared and issued under a separate report cover, upon receipt of a usable sitemap (electronic) and compound choices for contouring.

Written/submitted by:

Jay W Hodny

Project Manager

Reviewed/approved by:

Dayna M Cobb

Project Manager

Analytical data approved by:

Fatima Niazi

Chemist

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Quality Assurance Statement

The AGI Laboratory, at Amplified Geochemical Imaging's facility in Elkton, MD USA, operates under the guidelines of its ISO Standard 17025 DoD ELAP accreditation, and its Quality Assurance Manual, Operating Procedures, and Methods (SPG-SOP-0462).

For this project, the analytical method, results, and observations reported do [ ] do not [√] fall within the scope of AGI's ISO 17025 accreditation.

Screening/Concentration Method

The AGI Universal Samplers are analyzed at AGI's fixed laboratory using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260 (SPG-WI-0292) which includes the following:

- **BFB Tuning Frequency:** A BFB tune is analyzed at the start of each analytical run and after every 30 samples.
- **Initial Calibration:** A minimum of a five point calibration curve is analyzed prior to the analysis of samples.
- **Linearity of Target Compounds:** If the RSD of any target analyte is less than or equal to 25% then average response factor can be used for quantitation. If the RSD exceeds 25% for a target compound a regression equation can be used for quantitation.
- **Continuing Calibration Verification:** After every 10 samples, and at the end of each analytical batch, and a second-source Reference Standard is analyzed near the mid point of the calibration curve. The acceptance criteria for all target analytes in the reference standards are +/- 50% of the true value.
- **Method Blank:** Analyzed prior to the analysis of field samples and every 30 samples.

Note: Analyte levels reported for the field-deployed AGI Universal Samplers that exceed trip and method blank levels, and/or the reporting limit, are more likely to have originated from on-site sources.

Media Sampled:	SOIL GAS
Chemist - sample analysis:	Kelly J Stringham
Chemist - data processor:	Kelly J Stringham
Chemist - data review:	Fatima Niazi

Method deviations: None.

Please note that data file names ending with R are rerun samples using the second pair of sorbers, in which the original results were not reported. Data file names ending in D are duplicate analysis results for the second set of sorbers from the same sampler, and are reported.

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Additional Report Information

- Comments
- Laboratory Sample Report
- Chain of Custody
- Installation and Retrieval Log
- Data Table(s) and Key (if needed)
- Concentration Calculation Method Summary (as applicable)
- Total Ion Chromatograms

Project Specific Comments

None.

Survey period [1]	The samplers were deployed on 3/26/14 and retrieved on 4/2/14.		
Tamper seal intact:	Yes		
Date received:	4/3/2014	By:	Clarence W Whigham
COC returned:	Yes		
Comments:			

1 - Installation start to end of retrieval, as reported. See installation and retrieval log for individual deployment and retrieval dates and times (i.e., sampler exposure time).

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General Comments

Analytical QA/QC

Laboratory instrumentation consists of gas chromatographs equipped with mass selective detectors, coupled with automated thermal desorption units. Sample preparation involves cutting the tip off the bottom of the AGI Universal Sampler, and transferring one or more "sorbers" to a thermal desorption tube for analysis. The insertion/retrieval cord prevents soil, water and other interferences from coming in contact with the adsorbent. No further sample preparation is required. Any replicate sorbers not consumed in the initial analysis will be discarded fifteen (15) days from the date of the laboratory report.

Data are archived and stored in a secure manner as per AGI's Quality Assurance program (SPG-SOP-0462).

Total petroleum hydrocarbons (TPH), gasoline-range petroleum hydrocarbons (GRPH), and/or diesel range petroleum hydrocarbons (DRPH), when reported, are calculated using the area under the peaks observed in m/z 55 and 57 selected ion chromatograms. Quantitation of the mass values was performed using the response factor for a specific alkane (present in the calibration standards). TPH values include the entire chromatogram and provide estimates for aliphatic hydrocarbon ranges of C4 to C20. GRPH and DRPH include only the relevant regions of the chromatograms and provide estimates for C4 to C10 and C10 to C20 aliphatic hydrocarbons, respectively.

Trip blanks were provided to document potential exposures that were not part of the signal of interest (e.g., impact during sampler shipment, installation and/or retrieval, and storage). The trip blanks are identically manufactured and packaged AGI Universal Samplers to those samplers deployed in the field. The trip blanks remain unopened during all phases of the project. Levels reported on the trip blanks may indicate potential impact to the samplers other than the contaminant source of interest.

Unresolved peak envelopes (UPEs) are represented as a series of compound peaks clustered together around a central gas chromatograph elution time in the total ion chromatogram. UPEs may be indicative of complex fluid mixtures. UPEs observed early in the chromatograms are considered to indicate presence of more volatile fluids, while UPEs observed later in the chromatogram may indicate the presence of less volatile fluids. Multiple UPEs may indicate the presence of multiple complex fluids.

Total ion chromatograms (TICs) are included in the Attachments. The eight-digit serial number of each sampler is incorporated in the TIC identification (e.g., 12345678.D represents AGI Universal Sampler 12345678).

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General Comments

Soil Gas Sampling

For soil gas sampling, the AGI Environmental Survey reports mass levels migrating through the open pore spaces of the soil and diffusing through the sampler membrane for sorption by the engineered, hydrophobic adsorbents, housed within the membrane tube. During the migration of the soil gas away from the source to the AGI Universal Sampler, the vapors are subject to a variety of attenuation factors. The soil gas masses reported on the samplers compare favorably with the concentrations reported in the soil or groundwater (e.g., where soil gas levels are reported at greater levels to other sampled locations on the site, the matrix data should reveal the same pattern, and vice versa). However, due to a variety of factors, a perfect comparison between matrix data and soil gas levels can rarely be achieved.

Soil gas concentrations (µg/m3) are calculated following the method described in the Additional Report Information section.

Soil gas signals reported by this method cannot be correlated specifically to soil adsorbed, groundwater, and /or free-phase contamination. The soil gas signal reported from each AGI Universal Sampler can evolve from all of these sources. Differentiation between soil and groundwater contamination can only be achieved with prior knowledge of the site history (i.e., the site is known to have groundwater contamination only).

Air Sampling

For indoor, outdoor, and crawlspace air sampling, the AGI Environmental Survey reports mass levels present in the air and diffusing through the sampler membrane for sorption by the engineered adsorbents housed within the membrane tube.

Air concentrations (µg/m3) are calculated following the method described in the Additional Report Information section.

Groundwater and Sediment Porewater Sampling

For groundwater and sediment porewater sampling, the AGI Environmental Survey reports the mass levels of compounds present in the water which, when coming in contact with the sampler membrane, partitions out of For groundwater and sediment porewater sampling, the AGI Environmental Survey reports the mass levels of compounds present in the water which, when coming in contact with the sampler membrane, partitions out of solution, and diffuses through the sampler membrane for sorption by the engineered adsorbents.

Water concentrations (µg/L) are calculated using the quantified mass, exposure period and the compound specific uptake rate. The rates were measured under controlled experimental conditions. The uptake rates are corrected for water pressure (depth of the AGI Universal Sampler below the water table), water temperature and the aquifer flow rate. For sediment porewater, the uptake rate is corrected for the reduced colume of water in the sediment, by multiplying the uptake rate by the pore water fraction.

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LABORATORY SAMPLE REPORT

Project: ENV 01080 R7T4J **Site Name: Former Sanitary Laundry** **Module Type: SPG0001**

Module ID	Sample Type	Field ID
00728567	FIELD_SAMPLE	1
00728568	FIELD_SAMPLE	2
00728569	FIELD_SAMPLE	3
00728570	FIELD_SAMPLE	4
00728571	FIELD_SAMPLE	5
00728572	FIELD_SAMPLE	6
00728573	FIELD_SAMPLE	7
00728574	FIELD_SAMPLE	8
00728575	FIELD_SAMPLE	9
00728576	FIELD_SAMPLE	10
00728577	FIELD_SAMPLE	11
00728578	FIELD_SAMPLE	12
00728579	TRIP_BLANK	Not Provided
00728580	TRIP_BLANK	Not Provided

Total # "FIELD SAMPLES"	Total # "TRIP BLANKS"	Total # "UNUSED"	Total # "LOST"
12	2	0	0

Duplicate samples: 0

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210 Executive Drive, Suite 1
Newark, DE USA 19702-3335
ph: 302-266-2428

AGI Soil Gas Sampling
Installation & Retrieval Log

*** Optional or as needed**

AGI Project No. ENV 01080 R7T4J
Site Name: Forner Sanitary Laundry
Site Location: 625 North Broadway, Knoxville, Tennessee

Company Name: S&ME, INC
Location: 1413 Topside Road, Louisville, Tennessee, 37777
Samples collected by: Nathan Peterson

SAMPLER SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through slab)
00728567	1	FIELD_SAMPLE	3/26/14 11:29	4/2/14 9:45	Depth = 18"	Concrete Slab 4"
00728568	2	FIELD_SAMPLE	3/26/14 11:26	4/2/14 9:46	Depth = 18"	Concrete Slab 4"
00728569	3	FIELD_SAMPLE	3/26/14 11:21	4/2/14 9:46	Depth = 18"	Concrete Slab 4"
00728570	4	FIELD_SAMPLE	3/26/14 11:16	4/2/14 9:48	Depth = 18"	Concrete Slab 4"
00728571	5	FIELD_SAMPLE	3/26/14 11:10	4/2/14 9:48	Depth = 18"	Concrete Slab 4"
00728572	6	FIELD_SAMPLE	3/26/14 11:06	4/2/14 9:50	Depth = 18"	Concrete Slab 4"
00728573	7	FIELD_SAMPLE	3/26/14 11:03	4/2/14 9:51	Depth = 18"	Concrete Slab 4"
00728574	8	FIELD_SAMPLE	3/26/14 11:00	4/2/14 9:51	Depth = 18"	Concrete Slab 4"
00728575	9	FIELD_SAMPLE	3/26/14 11:43	4/2/14 9:52	Depth = 18"	Concrete Slab 4"
00728576	10	FIELD_SAMPLE	3/26/14 11:47	4/2/14 9:52	Depth = 18"	Concrete Slab 4"
00728577	11	FIELD_SAMPLE	3/26/14 11:50	4/2/14 9:53	Depth = 18"	Concrete Slab 4"
00728578	12	FIELD_SAMPLE	3/26/14 11:55	4/2/14 9:53	Depth = 18"	Concrete Slab 4"
00728579		TRIP_BLANK				
00728580		TRIP_BLANK				

AGI Soil Gas Sampling
Installation & Retrieval Log

* Optional or as needed

	YES / NO			AT MINIMUM PROVIDE SOIL TYPE						
SAMPLER SERIAL NO.	EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?	SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of pores/total volume)	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of water/volume of pores)	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
00728567				CLAY						
00728568				CLAY						
00728569				CLAY						
00728570				CLAY						
00728571				CLAY						
00728572				CLAY						
00728573				CLAY						
00728574				CLAY						
00728575				CLAY						
00728576				CLAY						
00728577				CLAY						
00728578				CLAY						
00728579										
00728580										

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210 Executive Drive, Suite 1
Newark, DE 19702-3335 USA
ph: +1-302-266-2428
www.agisurveys.net

AGI Universal Passive Sampler Chain of Custody
Soil gas and/or Air Sampling

Production Order #: 01080 R7T4J

Customer Name: S&ME, INC
Address: 1413 TOPSIDE ROAD

LOUISVILLE,TN, 37777
Unite States

Site Name: Fomer Sanitary Laundry
Site Address:

Project Manager:

Serial # of Samplers Shipped
00728567 - 00728580

# of Samplers for Installation	12.00	# of Trip Blanks	2
Total Samplers Shipped	14.00	Pieces	
Total Samplers Received	14	Pieces	
Total Samplers Installed	12	Pieces	

Serial # of Trip Blanks (Client Decides)

00728579 00728580		

Prepared By: Darlene Gillowdy
Verified By:

Installation Method: (Circle those that apply)
Slide Hammer (Hammer Drill) Auger
Other

Installation Performed By:
Name: Nathan Brown
Company: S&ME

Retrieval Performed By:
Name:
Company: S&ME

Installation Start Date / Time: 3/26/14 11:00
Installation Complete Date / Time: ~~4/2/14 09:45~~ 3/26/14 11:55

Retrieval Start Date / Time: 4/2/14 09:45
Retrieval Complete Date / Time: 4/2/14 09:53

Total Samplers Retrieved: 12
Total Samplers Lost In Field: 0
Total Unused Samplers Returned: 0

Relinquished By Darlene Gillowdy **Date/Time** 3/21/14 8:35 AM
Company: AGI

Received By: **Date/Time** 3/21/14
Company: S&ME

Relinquished By **Date/Time** 4/2/14 11:15
Company: S&ME

Received By: Darlene Gillowdy **Date/Time** 4/03/14 10:30 AM
Company: AGI

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210 Executive Drive, Suite 1
Newark, DE 19702-3335 USA
ph: +1-302-266-2428
www.agisurveys.net

PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728567 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 1
Installation Date: 3/26/2014 11:29:00AM
Retrieval Date: 4/2/2014 9:45:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 7:11:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**0.04**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728567 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 1
Installation Date: 3/26/2014 11:29:00AM
Retrieval Date: 4/2/2014 9:45:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 7:11:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC

SITE NAME: Former Sanitary Laundry

SITE ADDRESS: LOUISVILLE,TN, 37777

Unite States

SAMPLER ID: 00728568 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 2
Installation Date: 3/26/2014 11:26:00AM
Retrieval Date: 4/2/2014 9:46:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 12:33:00PM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	**56-23-5**	**0.05**	**0.02**
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**0.19**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728568 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 2
Installation Date: 3/26/2014 11:26:00AM
Retrieval Date: 4/2/2014 9:46:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 12:33:00PM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728569 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 3
Installation Date: 3/26/2014 11:21:00AM
Retrieval Date: 4/2/2014 9:46:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 3:53:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	**75-01-4**	**9.03**	**0.20**
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	**75-35-4**	**0.03**	**0.02**
trans-1,2-Dichloroethene	**156-60-5**	**0.03**	**0.02**
1,1-Dichloroethane	**75-34-3**	**0.03**	**0.02**
cis-1,2-Dichloroethene	**156-59-2**	**0.36**	**0.02**
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	**71-43-2**	**0.03**	**0.02**
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	**79-01-6**	**0.38**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	**108-88-3**	**0.03**	**0.02**
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**5.22**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	**108-38-3/106-42-3**	**0.03**	**0.02**
o-Xylene	**95-47-6**	**0.03**	**0.02**
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	**108-67-8**	**0.05**	**0.02**
1,2,4-Trimethylbenzene	**95-63-6**	**0.05**	**0.02**
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728569 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 3
Installation Date: 3/26/2014 11:21:00AM
Retrieval Date: 4/2/2014 9:46:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 3:53:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**34.31**	**0.50**
BTEX		**0.11**	**0.02**

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC

SITE NAME: Former Sanitary Laundry

SITE ADDRESS: LOUISVILLE,TN, 37777

Unite States

SAMPLER ID: 00728570 FIELD_SAMPLE Matrix: SOIL GAS Product: SPG0001

Dilution Factor: 1 Field ID: 4 Porosity: 0.46 Water Filled Voids: 0.47

Installation Date: 3/26/2014 11:16:00AM

Retrieval Date: 4/2/2014 9:48:00AM Date Analyzed: 4/8/2014 2:56:00AM

Analyst: Kelly J Stringham **Method: SPG-WI-0292** **Batch: ENV-140404-1**

Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	**156-60-5**	**0.05**	**0.02**
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	**156-59-2**	**1.26**	**0.02**
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	**79-01-6**	**3.20**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**53.11**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	**95-63-6**	**0.03**	**0.02**
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC

SITE NAME: Former Sanitary Laundry

SITE ADDRESS: LOUISVILLE,TN, 37777

Unite States

SAMPLER ID: 00728570 FIELD_SAMPLE Matrix: SOIL GAS Product: SPG0001

Dilution Factor: 1 Field ID: 4 Porosity: 0.46 Water Filled Voids: 0.47

Installation Date: 3/26/2014 11:16:00AM

Retrieval Date: 4/2/2014 9:48:00AM Date Analyzed: 4/8/2014 2:56:00AM

Analyst: Kelly J Stringham **Method:** SPG-WI-0292 **Batch:** ENV-140404-1

Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**1.34**	**0.50**
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728571 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 5
Installation Date: 3/26/2014 11:10:00AM
Retrieval Date: 4/2/2014 9:48:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 6:42:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**0.14**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728571 **FIELD_SAMPLE** Matrix: SOIL GAS Product: SPG0001
Dilution Factor: 1 Field ID: 5 Porosity: 0.46 Water Filled Voids: 0.47
Installation Date: 3/26/2014 11:10:00AM
Retrieval Date: 4/2/2014 9:48:00AM Date Analyzed: 4/8/2014 6:42:00AM
Analyst: Kelly J Stringham **Method: SPG-WI-0292** **Batch: ENV-140404-1**
Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC

SITE NAME: Former Sanitary Laundry

SITE ADDRESS: LOUISVILLE,TN, 37777

Unite States

SAMPLER ID: 00728572 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 6
Installation Date: 3/26/2014 11:06:00AM
Retrieval Date: 4/2/2014 9:50:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 1:02:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	**156-59-2**	**0.02**	**0.02**
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	**71-43-2**	**0.04**	**0.02**
Carbon Tetrachloride	**56-23-5**	**0.02**	**0.02**
Trichloroethene	**79-01-6**	**0.04**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	**108-88-3**	**0.09**	**0.02**
Octane	**111-65-9**	**0.04**	**0.02**
Tetrachloroethene	**127-18-4**	**0.33**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	**100-41-4**	**0.10**	**0.02**
m,p-Xylene	**108-38-3/106-42-3**	**0.35**	**0.02**
o-Xylene	**95-47-6**	**0.11**	**0.02**
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	**108-67-8**	**0.05**	**0.02**
1,2,4-Trimethylbenzene	**95-63-6**	**0.11**	**0.02**
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728572 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 6
Installation Date: 3/26/2014 11:06:00AM
Retrieval Date: 4/2/2014 9:50:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 1:02:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**2.04**	**0.50**
BTEX		**0.69**	**0.02**

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC

SITE NAME: Former Sanitary Laundry

SITE ADDRESS: LOUISVILLE,TN, 37777

Unite States

SAMPLER ID: 00728573 FIELD_SAMPLE Matrix: SOIL GAS Product: SPG0001

Dilution Factor: 1 Field ID: 7 Porosity: 0.46 Water Filled Voids: 0.47

Installation Date: 3/26/2014 11:03:00AM

Retrieval Date: 4/2/2014 9:51:00AM Date Analyzed: 4/7/2014 11:36:00PM

Analyst: Kelly J Stringham **Method: SPG-WI-0292** **Batch: ENV-140404-1**

Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	**71-43-2**	**0.15**	**0.02**
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	**108-88-3**	**0.25**	**0.02**
Octane	111-65-9	0.02	0.02
Tetrachloroethene	**127-18-4**	**5.75**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	**108-38-3/106-42-3**	**0.09**	**0.02**
o-Xylene	**95-47-6**	**0.06**	**0.02**
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728573 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 7
Installation Date: 3/26/2014 11:03:00AM
Retrieval Date: 4/2/2014 9:51:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/7/2014 11:36:00PM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**4.41**	**0.50**
BTEX		**0.55**	**0.02**

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728574 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 8
Installation Date: 3/26/2014 11:00:00AM
Retrieval Date: 4/2/2014 9:51:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 3:25:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	**79-01-6**	**0.16**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**14.74**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728574 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 8
Installation Date: 3/26/2014 11:00:00AM
Retrieval Date: 4/2/2014 9:51:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 3:25:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728575 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 9
Installation Date: 3/26/2014 11:43:00AM
Retrieval Date: 4/2/2014 9:52:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 2:28:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**0.51**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728575 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 9
Installation Date: 3/26/2014 11:43:00AM
Retrieval Date: 4/2/2014 9:52:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 2:28:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**0.52**	**0.50**
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728576 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 10
Installation Date: 3/26/2014 11:47:00AM
Retrieval Date: 4/2/2014 9:52:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 1:30:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	**71-43-2**	**0.03**	**0.02**
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	**108-88-3**	**0.05**	**0.02**
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**1.80**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	**108-38-3/106-42-3**	**0.04**	**0.02**
o-Xylene	**95-47-6**	**0.03**	**0.02**
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728576 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 10
Installation Date: 3/26/2014 11:47:00AM
Retrieval Date: 4/2/2014 9:52:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 1:30:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		**0.81**	**0.50**
BTEX		**0.13**	**0.02**

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728577 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 11
Installation Date: 3/26/2014 11:50:00AM
Retrieval Date: 4/2/2014 9:53:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 5:46:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	**79-01-6**	**0.02**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**0.11**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728577 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 11
Installation Date: 3/26/2014 11:50:00AM
Retrieval Date: 4/2/2014 9:53:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 5:46:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728578 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 12
Installation Date: 3/26/2014 11:55:00AM
Retrieval Date: 4/2/2014 9:53:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 6:14:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	**156-60-5**	**0.60**	**0.02**
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	**156-59-2**	**2.24**	**0.02**
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	**71-43-2**	**0.03**	**0.02**
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	**79-01-6**	**32.08**	**0.02**
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	**127-18-4**	**134.39**	**0.02**
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728578 FIELD_SAMPLE
Dilution Factor: 1 Field ID: 12
Installation Date: 3/26/2014 11:55:00AM
Retrieval Date: 4/2/2014 9:53:00AM
Analyst: Kelly J Stringham **Method:** SPG-WI-0292
Reviewer: Fatima Niazi

Matrix: SOIL GAS Product: SPG0001
Porosity: 0.46 Water Filled Voids: 0.47
Date Analyzed: 4/8/2014 6:14:00AM
Batch: ENV-140404-1

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		**0.03**	**0.02**

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728579 TRIP_BLANK
Dilution Factor: 1

Matrix: SOIL GAS
Porosity:

Product: SPG0001
Water Filled Voids:

Date Analyzed: 4/8/2014 1:59:00AM

Analyst: Kelly J Stringham **Method:** SPG-WI-0292 **Batch:** ENV-140404-1
Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728579 TRIP_BLANK
Dilution Factor: 1

Matrix: SOIL GAS
Porosity:

Product: SPG0001
Water Filled Voids:

Date Analyzed: 4/8/2014 1:59:00AM

Analyst: Kelly J Stringham **Method:** SPG-WI-0292 **Batch:** ENV-140404-1
Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728580 TRIP_BLANK
Dilution Factor: 1

Matrix: SOIL GAS
Porosity:

Product: SPG0001
Water Filled Voids:

Date Analyzed: 4/8/2014 12:05:00PM

Analyst: Kelly J Stringham **Method:** SPG-WI-0292 **Batch:** ENV-140404-1
Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Vinyl Chloride	75-01-4	<0.20	0.20
Methyl tert-butyl ether	1634-04-4	<0.02	0.02
1,1-Dichloroethene	75-35-4	<0.02	0.02
trans-1,2-Dichloroethene	156-60-5	<0.02	0.02
1,1-Dichloroethane	75-34-3	<0.02	0.02
cis-1,2-Dichloroethene	156-59-2	<0.02	0.02
Chloroform	67-66-3	<0.02	0.02
1,1,1-Trichloroethane	71-55-6	<0.02	0.02
1,2-Dichloroethane	107-06-2	<0.02	0.02
Benzene	71-43-2	<0.02	0.02
Carbon Tetrachloride	56-23-5	<0.02	0.02
Trichloroethene	79-01-6	<0.02	0.02
1,1,2-Trichloroethane	79-00-5	<0.02	0.02
Toluene	108-88-3	<0.02	0.02
Octane	111-65-9	<0.02	0.02
Tetrachloroethene	127-18-4	<0.02	0.02
Chlorobenzene	108-90-7	<0.02	0.02
1,1,1,2-Tetrachloroethane	630-20-6	<0.02	0.02
Ethylbenzene	100-41-4	<0.02	0.02
m,p-Xylene	108-38-3/106-42-3	<0.02	0.02
o-Xylene	95-47-6	<0.02	0.02
1,1,2,2-Tetrachloroethane	79-34-5	<0.02	0.02
1,3,5-Trimethylbenzene	108-67-8	<0.02	0.02
1,2,4-Trimethylbenzene	95-63-6	<0.02	0.02
1,3-Dichlorobenzene	541-73-1	<0.02	0.02
1,4-Dichlorobenzene	106-46-7	<0.02	0.02
1,2-Dichlorobenzene	95-50-1	<0.02	0.02
Undecane	1120-21-4	<0.05	0.05
Naphthalene	91-20-3	<0.05	0.05
Tridecane	629-50-5	<0.05	0.05
2-Methylnaphthalene	91-57-6	<0.05	0.05

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PROJECT NUMBER: ENV 01080 R7T4J **FOR:** S&ME, INC
SITE NAME: Former Sanitary Laundry
SITE ADDRESS: LOUISVILLE,TN, 37777
Unite States

SAMPLER ID: 00728580 TRIP_BLANK
Dilution Factor: 1

Matrix: SOIL GAS
Porosity:

Product: SPG0001
Water Filled Voids:

Date Analyzed: 4/8/2014 12:05:00PM

Analyst: Kelly J Stringham **Method:** SPG-WI-0292 **Batch:** ENV-140404-1
Reviewer: Fatima Niazi

Compound	CAS #	Result (ug)	RL (ug)
Acenaphthylene	208-96-8	<0.05	0.05
Pentadecane	629-62-9	<0.05	0.05
Acenaphthene	83-32-9	<0.05	0.05
Fluorene	86-73-7	<0.05	0.05
TPH		<0.50	0.50
BTEX		<0.02	0.02

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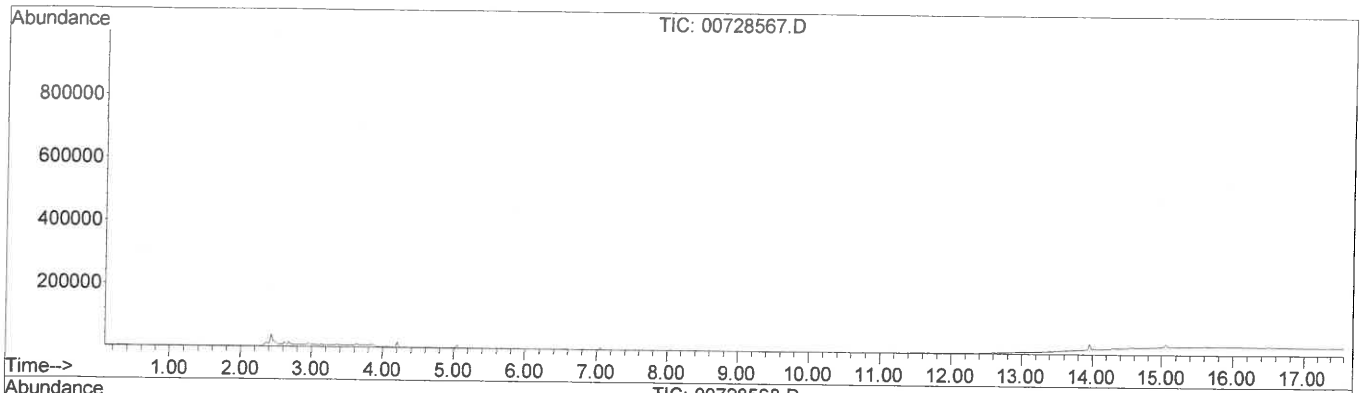
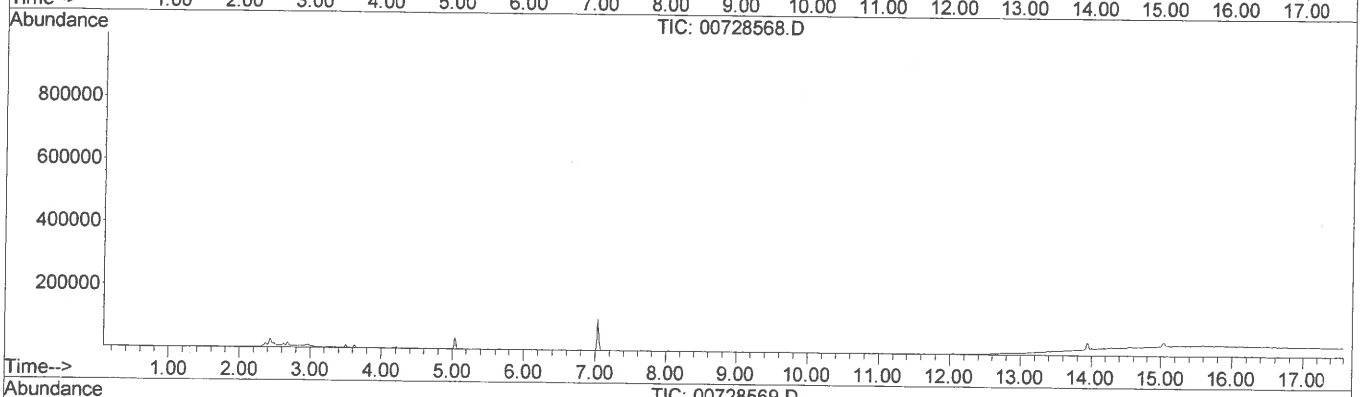
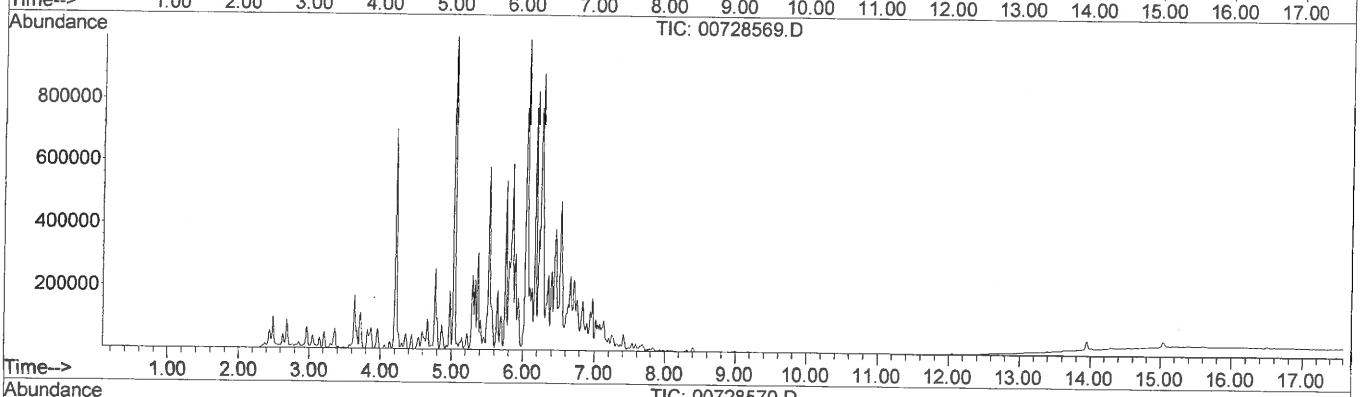
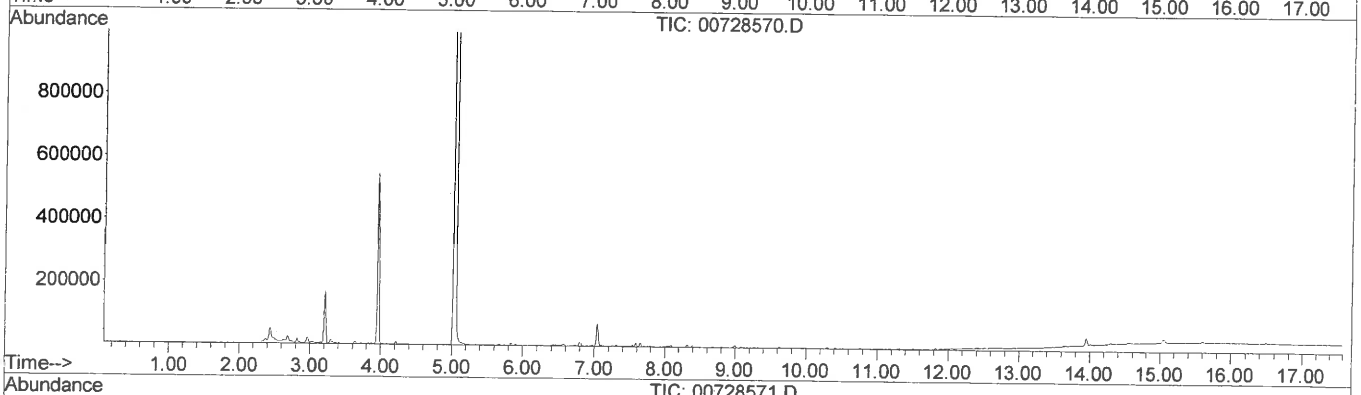
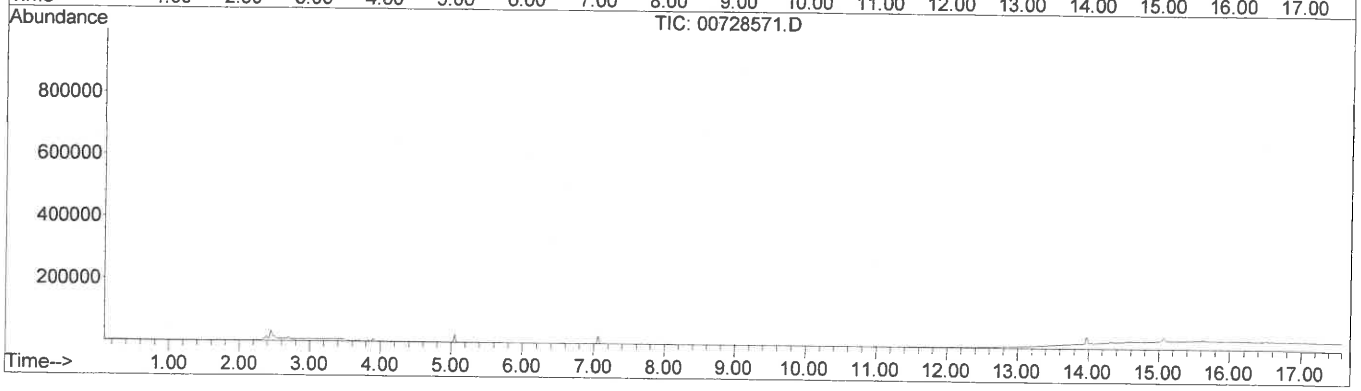
TICS - 01080 R7T4J
In Numerical Order



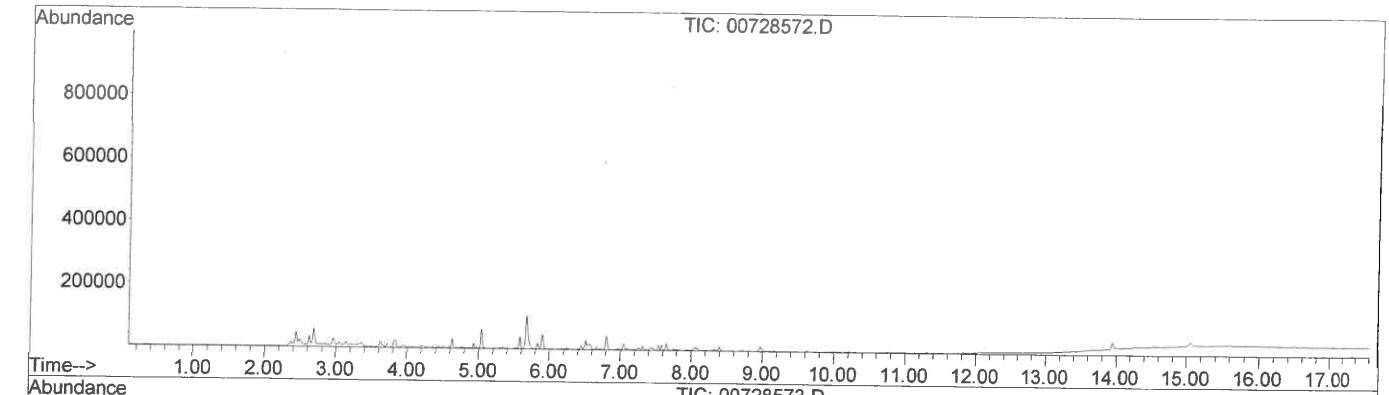


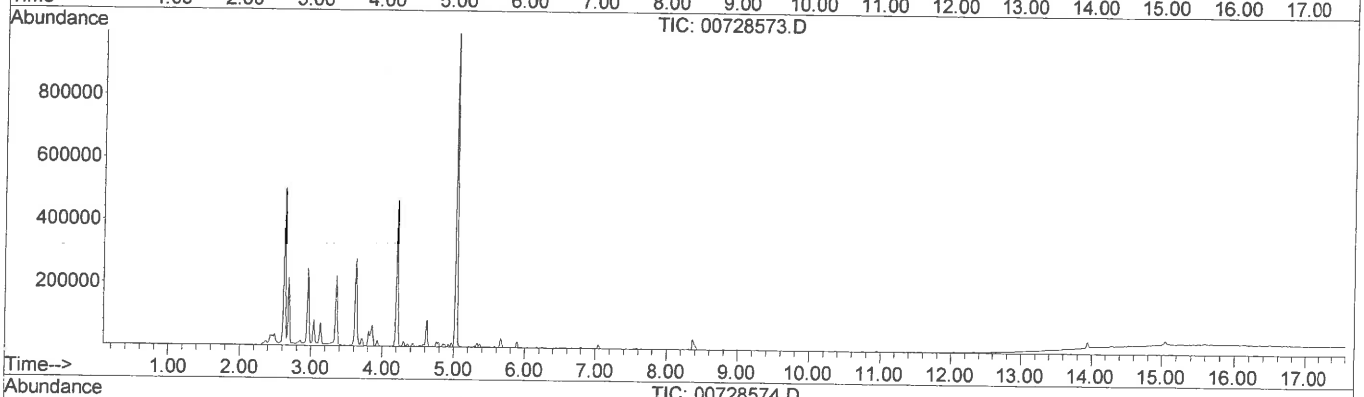


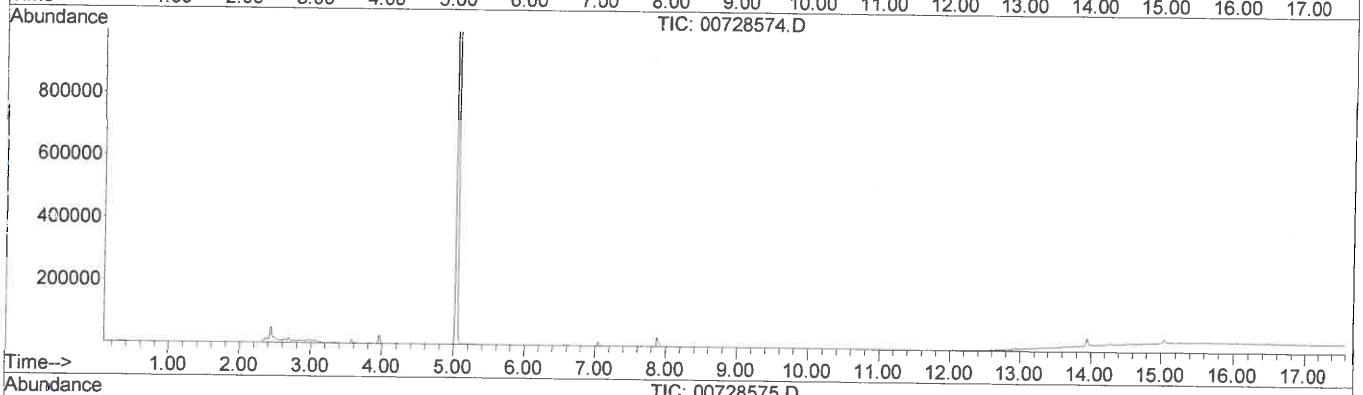


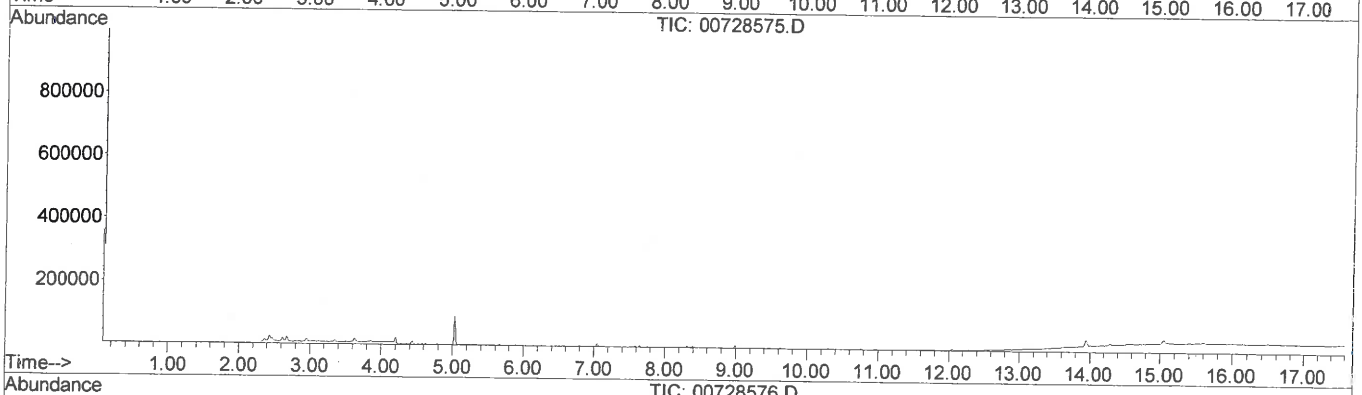


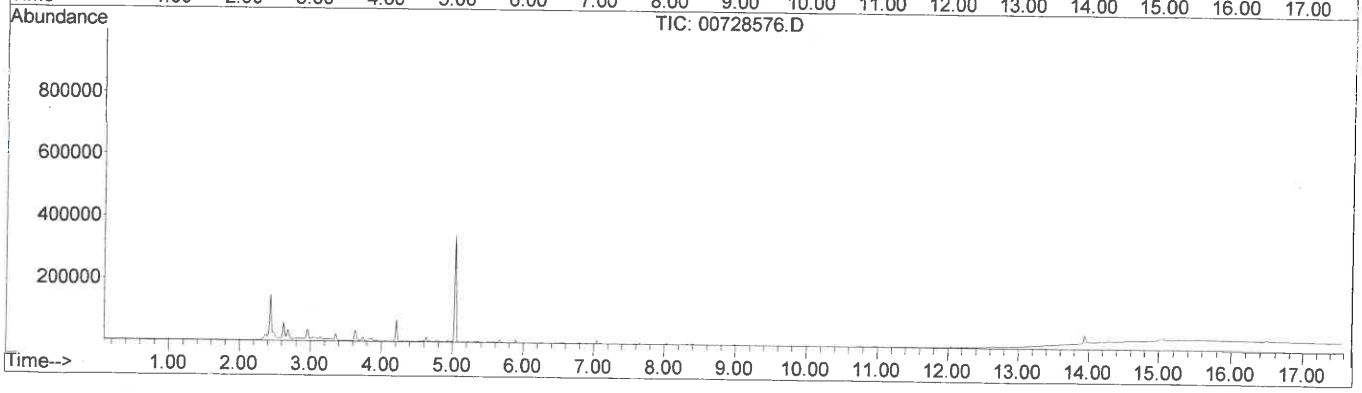
TICS - 01080 R7T4J
In Numerical Order



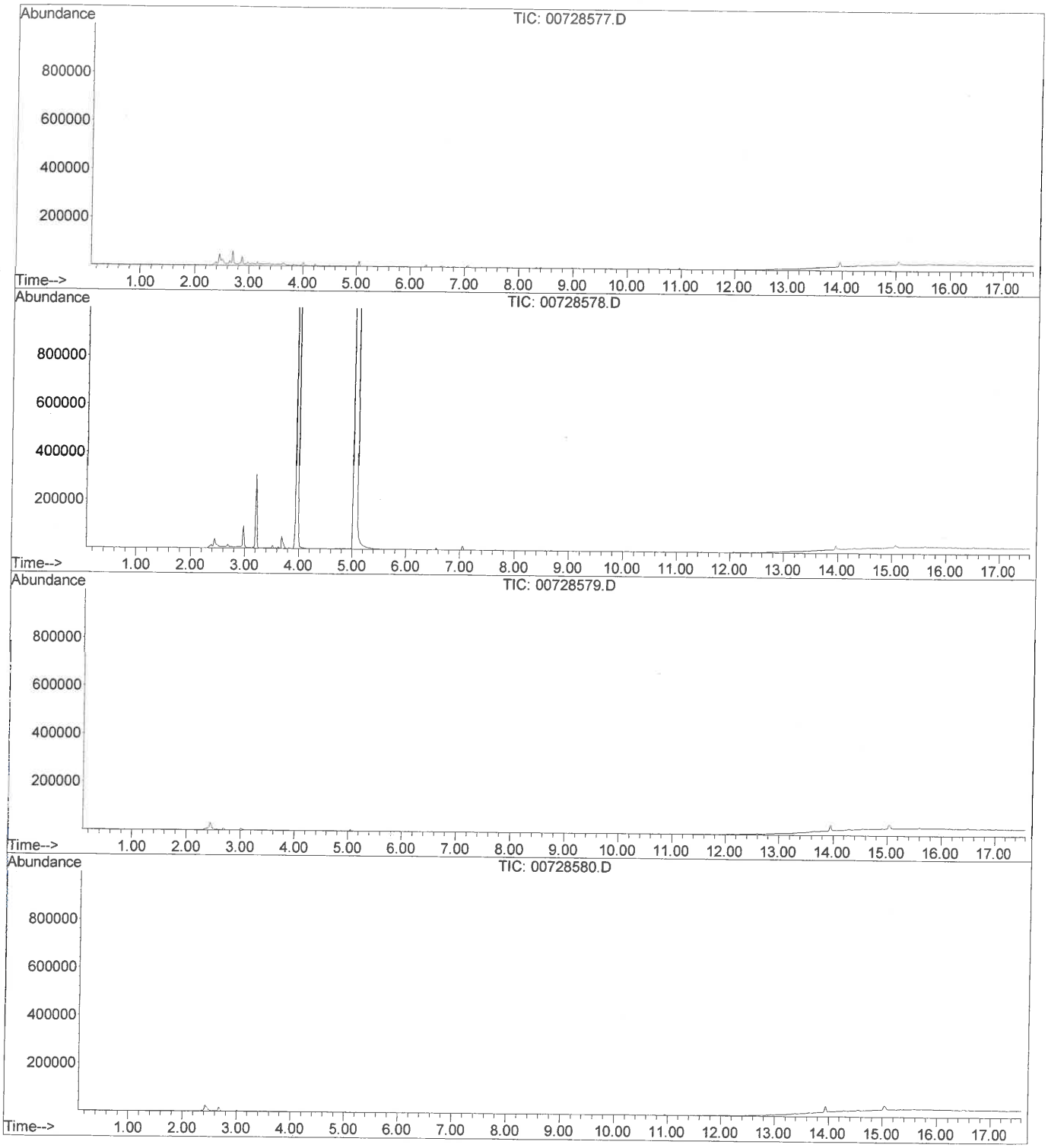








TICS - 01080 R7T4J
In Numerical Order



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Mapping Report

Site: Former Sanitary Laundry

Prepared for:

S&ME, INC
1413 Topside Road
Louisville,TN
UNITED STATES

Prepared on:

April 28, 2014

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Project Summary

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:
Former Sanitary Laundry

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described for the requested organic compounds, and reporting of the data. A Laboratory Report was issued previously which summarized the field sampling and analytical procedures, and contained the

Normally, when printed at scale, the maps are 11 x 17 inch in size. Other sizes are available upon request. General and project specific comments on the contouring and mapping can be found on the next page.

Maps prepared by:

Jim E Whetzel

Project Manager

DN: CN = jwhetzel
Date: 2014.04.29
08:36:48 -04'00'

Maps reviewed/approved by:

Dayna M Cobb

Project Manager

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General Comments

A minimum curvature algorithm was used to interpolate the data from the sample locations to a regularly-spaced grid. The resulting surface is considered to be the smoothest possible surface that will fit the observed values at each sample location (i.e., data honoring). The interpolation is performed in log space, with grid cell sizes approximately one-tenth the average distance between sample locations. For example, when AGI Universal Samplers are placed about 50 feet apart, the grid cell size is set to five feet.

Where observations trend from lower to higher values, and moving towards the edge of the area sampled, the contour surface will continue to rise (showing warmer colors) as no additional data exist to constrain the interpolation. Where observations trend from high to low, towards the edge of the area sampled, the opposite is true.

Contour minimums and maximums used in the color interval assignment are established based on the QA blank levels (trip and method blanks), method detection limits, and maximum values observed. The minimum contour level (gray color) is established using the maximum QA blank level or method detection limit, whichever is greater, per compound or groups of compounds. The maximum contour level is set at the maximum value observed, per compound or groups of compounds. Contour interval assignments can be modified at the client's request.

Project Specific Comments

None.

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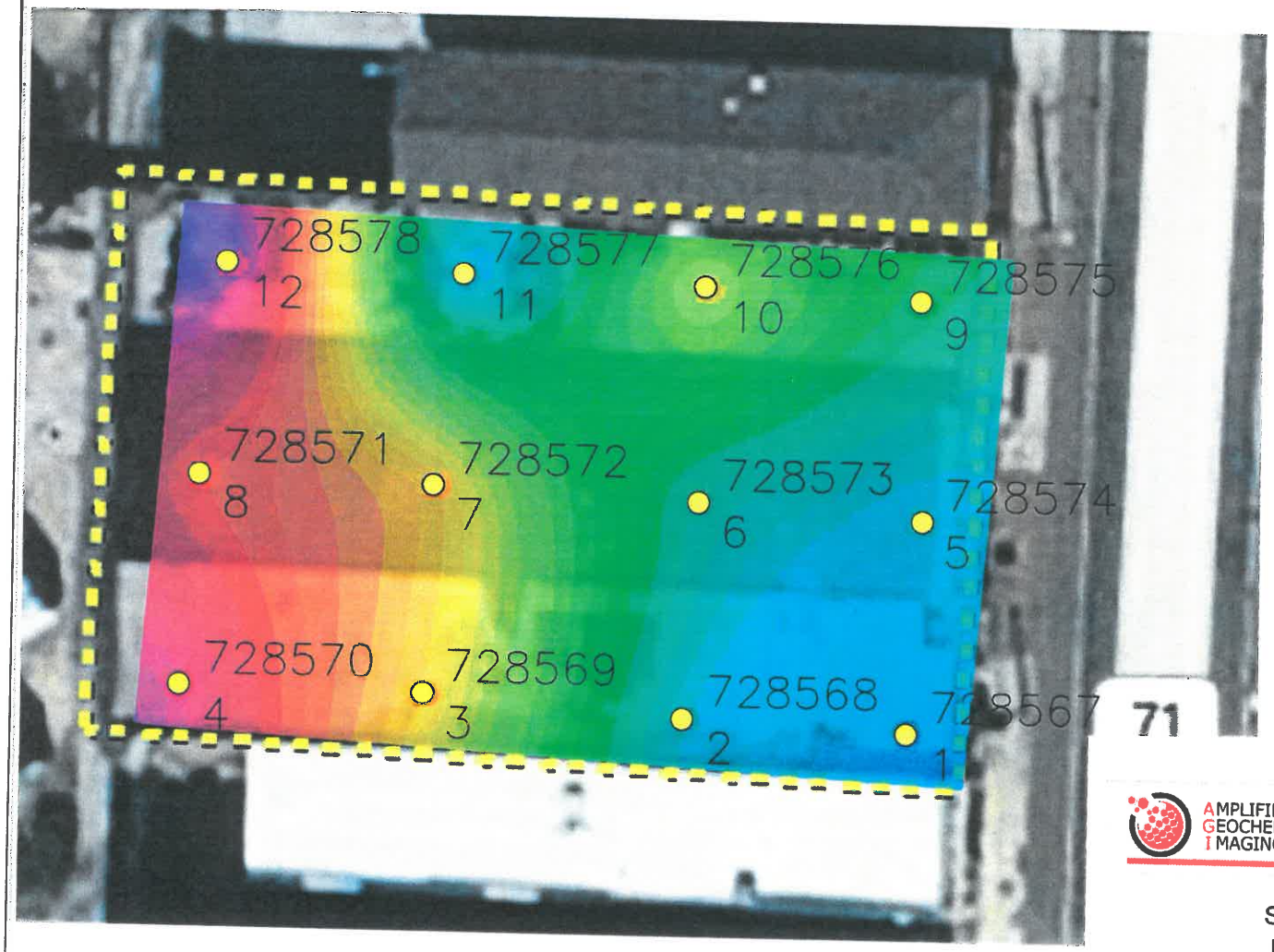

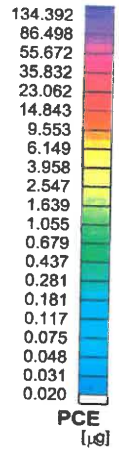

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry
Tetrachloroethene

Scale 1:240

10 0 10 20 30 40 50
(feet)

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DATE DRAWN: 25 April 2014 | DRAWN BY: JW | ORIG. CAD: | SITE CODE:

REV. DATE: | REV. #: | PROJECT NUMBER: 01080-R7T4J

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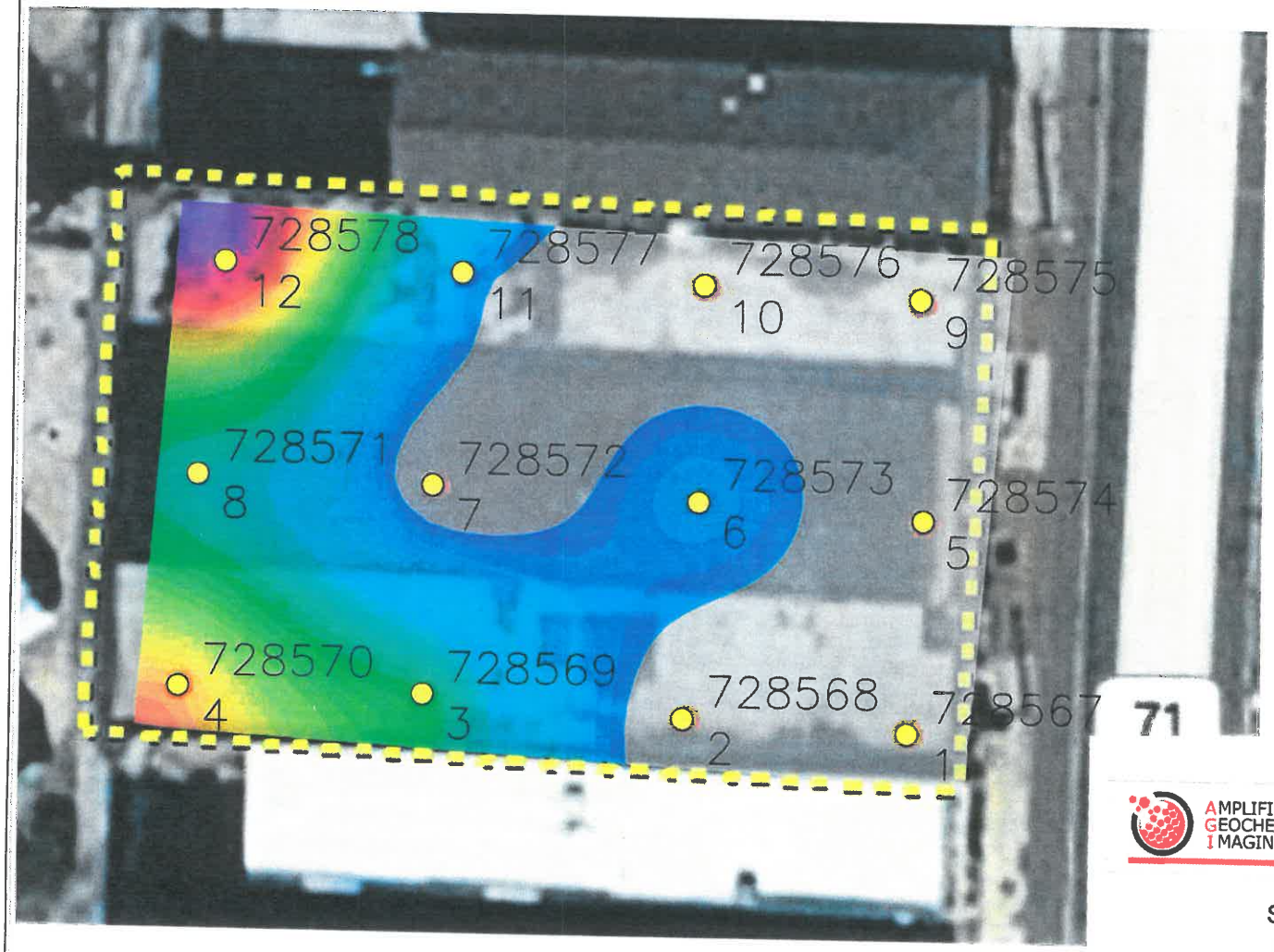

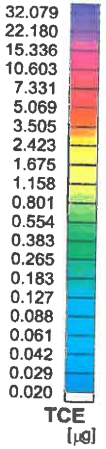

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry
Trichloroethene

Scale 1:240

10 0 10 20 30 40 50
(feet)

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DATE DRAWN: 25 April 2014 | DRAWN BY: JW | ORIG. CAD: | SITE CODE:

REV. DATE: | REV. #: | PROJECT NUMBER: 01080-R7T4J

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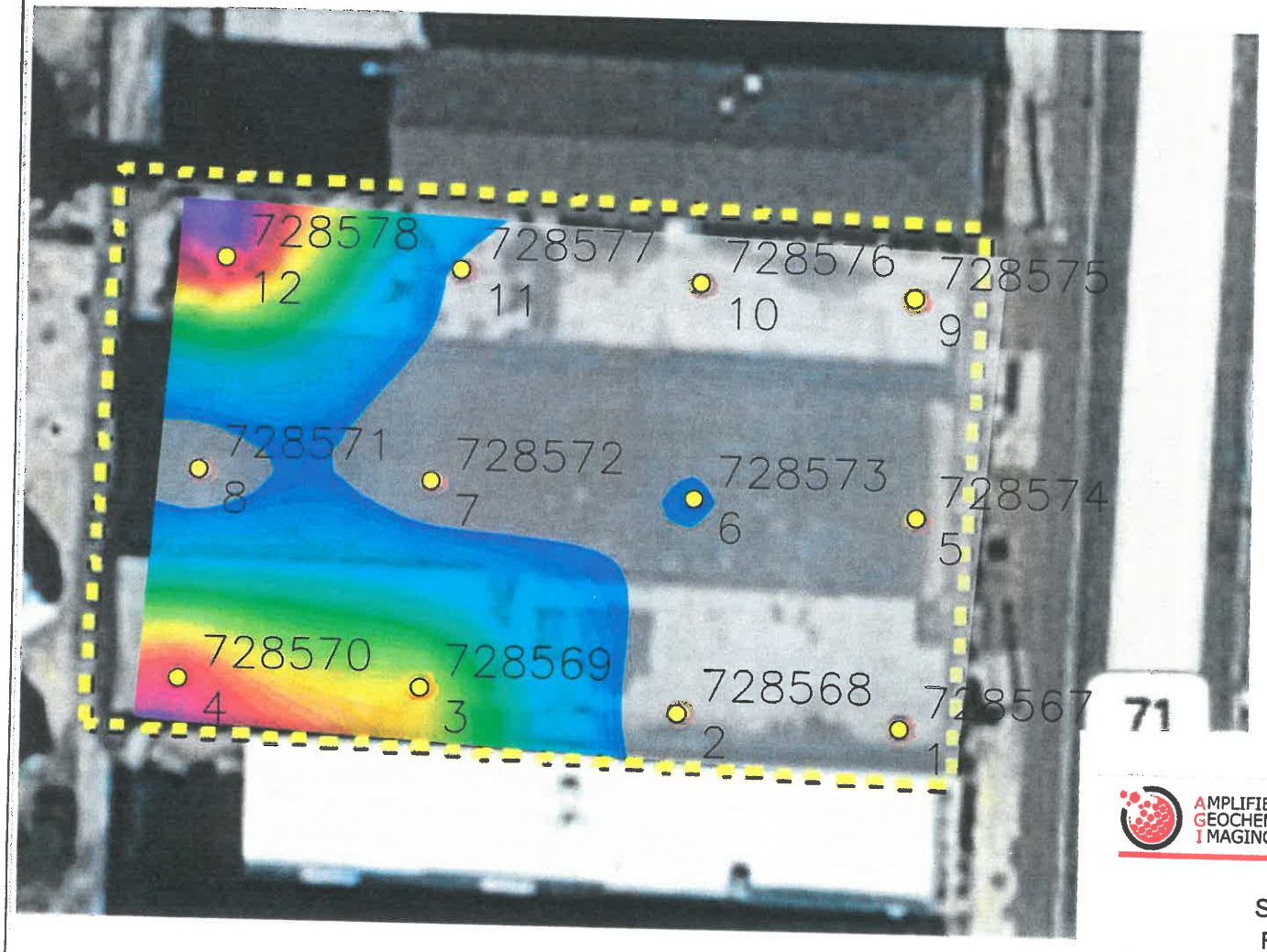

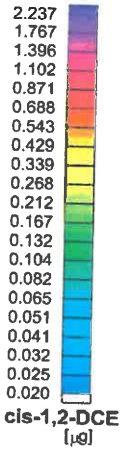

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry
cis-1,2-Dichloroethene

Scale 1:240

10 0 10 20 30 40 50
(feet)

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DATE DRAWN: 25 April 2014 | DRAWN BY: JW | ORIG. CAD: | SITE CODE:
REV. DATE: | REV. #: | PROJECT NUMBER: 01080-R7T4J

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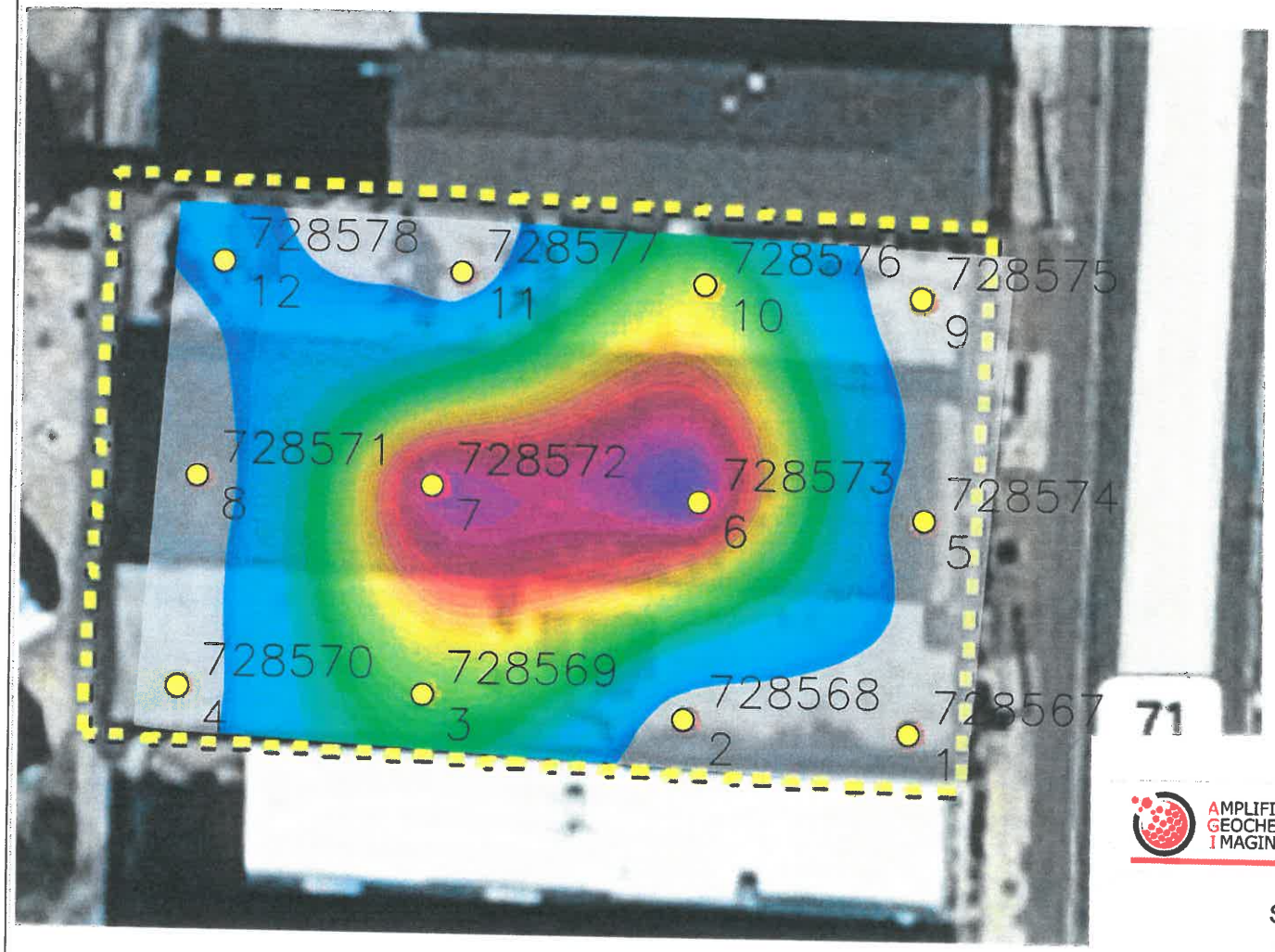

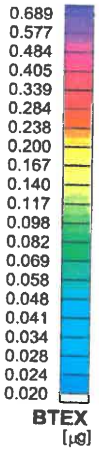

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FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

S&ME, Inc., Louisville, TN
Former Sanitary Laundry
BTEX

Scale 1:240

10 0 10 20 30 40 50
(feet)

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DATE DRAWN: 25 April 2014 | DRAWN BY: JW | ORIG. CAD: | SITE CODE:
REV. DATE: | REV. #: | PROJECT NUMBER: 01080-R7T4J

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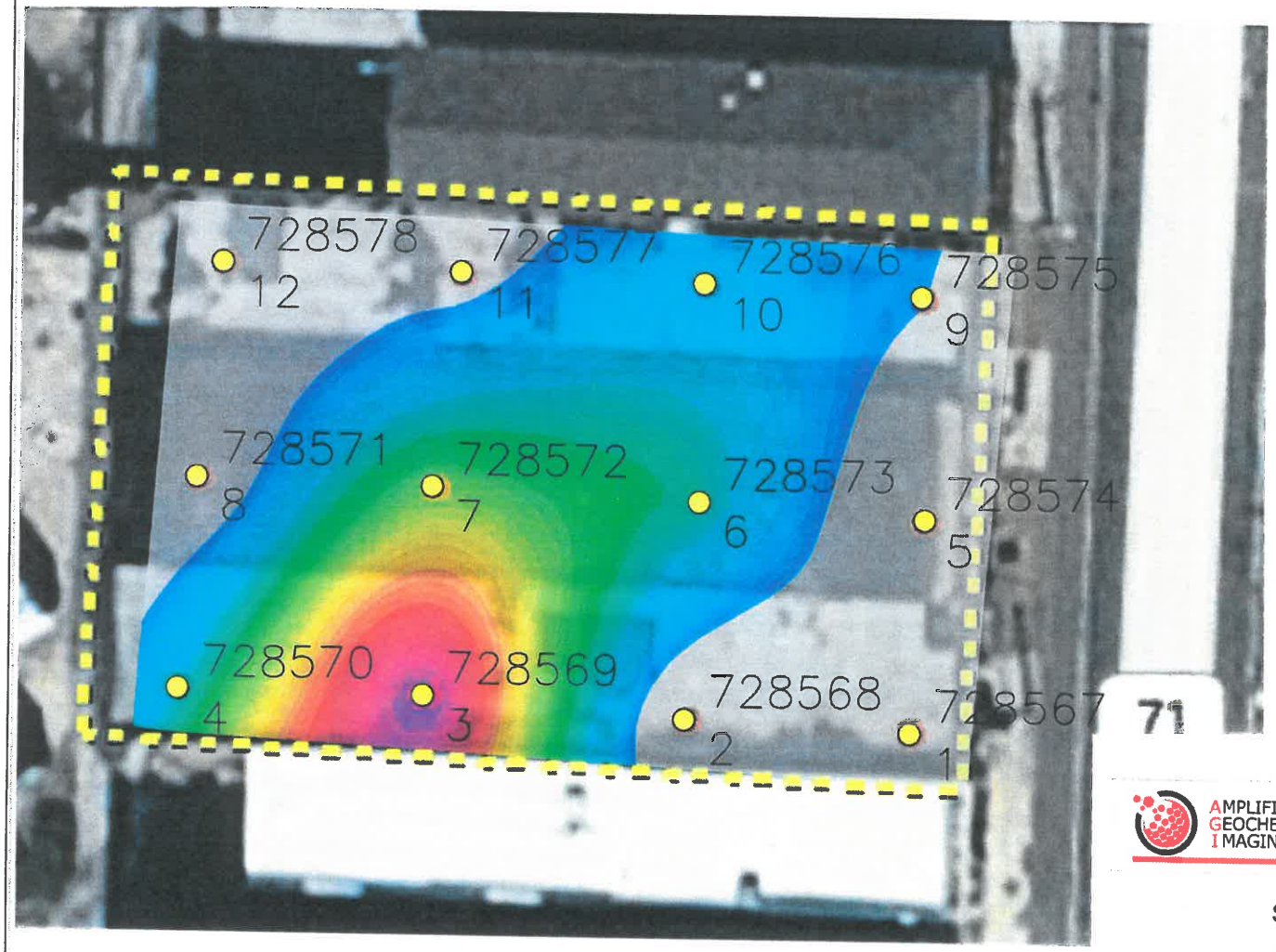

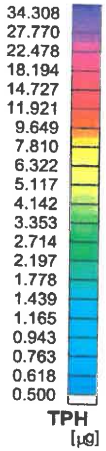

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry
Total Petroleum Hydrocarbons

Scale 1:240

10 0 10 20 30 40 50
(feet)

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DATE DRAWN: 25 April 2014 | DRAWN BY: JW | ORIG. CAD: | SITE CODE:
REV. DATE: | REV. #: | PROJECT NUMBER: 01080-R7T4J

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European Sales Office:
+49.89.638.7927-12

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AMPLIFIED GEOCHEMICAL IMAGING, LLC

Mapping Report

Site: Former Sanitary Laundry Project

Prepared for:

S&ME INC
1413 Topside Road
Louisville, TN
UNITED STATES

Prepared on:

June 05, 2014

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Project Summary

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:
Former Sanitary Laundry Project

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described for the requested organic compounds, and reporting of the data. A Laboratory Report was issued previously which summarized the field sampling and analytical procedures, and contained the

Normally, when printed at scale, the maps are 11 x 17 inch in size. Other sizes are available upon request. General and project specific comments on the contouring and mapping can be found on the next page.

Maps prepared by:

Jim E Whetzel

Jim Whetzel

DN: CN = jwhetzel
Date: 2014.06.05
16:19:20 -04'00'

Project Manager

Maps reviewed/approved by:

Dayna M Cobb

Project Manager

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General Comments

A minimum curvature algorithm was used to interpolate the data from the sample locations to a regularly-spaced grid. The resulting surface is considered to be the smoothest possible surface that will fit the observed values at each sample location (i.e., data honoring). The interpolation is performed in log space, with grid cell sizes approximately one-tenth the average distance between sample locations. For example, when AGI Universal Samplers are placed about 50 feet apart, the grid cell size is set to five feet.

Where observations trend from lower to higher values, and moving towards the edge of the area sampled, the contour surface will continue to rise (showing warmer colors) as no additional data exist to constrain the interpolation. Where observations trend from high to low, towards the edge of the area sampled, the opposite is true.

Contour minimums and maximums used in the color interval assignment are established based on the QA blank levels (trip and method blanks), method detection limits, and maximum values observed. The minimum contour level (gray color) is established using the maximum QA blank level or method detection limit, whichever is greater, per compound or groups of compounds. The maximum contour level is set at the maximum value observed, per compound or groups of compounds. Contour interval assignments can be modified at the client's request.

Project Specific Comments

Background image was provided by S&ME, Inc.
For mapping purposes the results from this survey were combined with results from a prior survey performed at the site.

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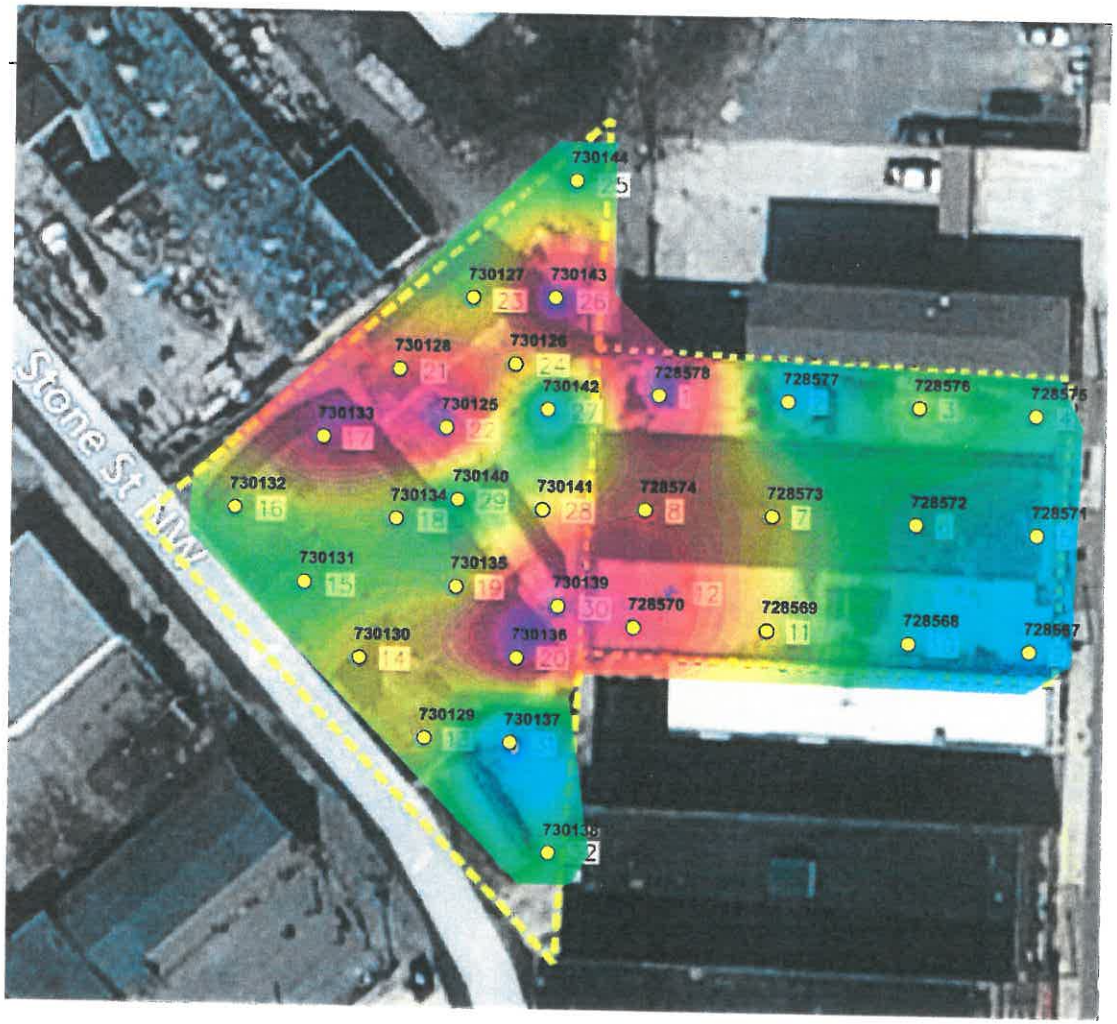

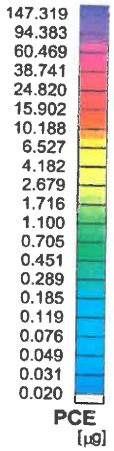

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry Ph 1 & 2
Tetrachloroethene

Scale 1:480

25 0 25 50 75

US survey foot

WGS 84 / Tennessee CS27

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DATE DRAWN: 05 June 2014 | DRAWN BY: JW | ORIG. CAD: Sanitary...DWG | SITE CODE:

REV. DATE: | REV. #: | PROJECT NUMBER: 01109

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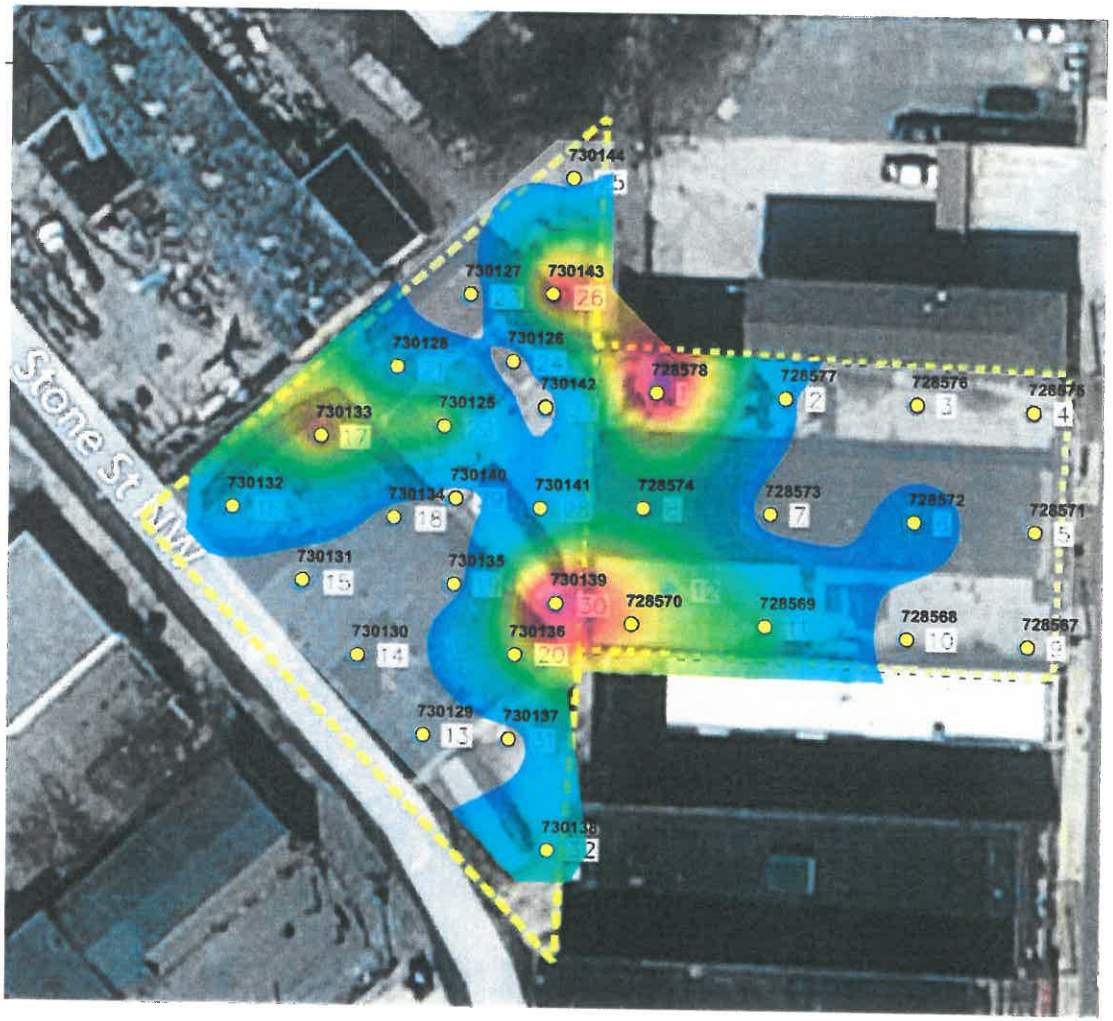

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1.305
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0.611
0.418
0.286
0.195
0.134
0.091
0.063
0.043
0.029
0.020

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry Ph 1 & 2
Trichloroethene

Scale 1:480

25 0 25 50 75

US survey foot

WGS 84 / *Tennessee CS27

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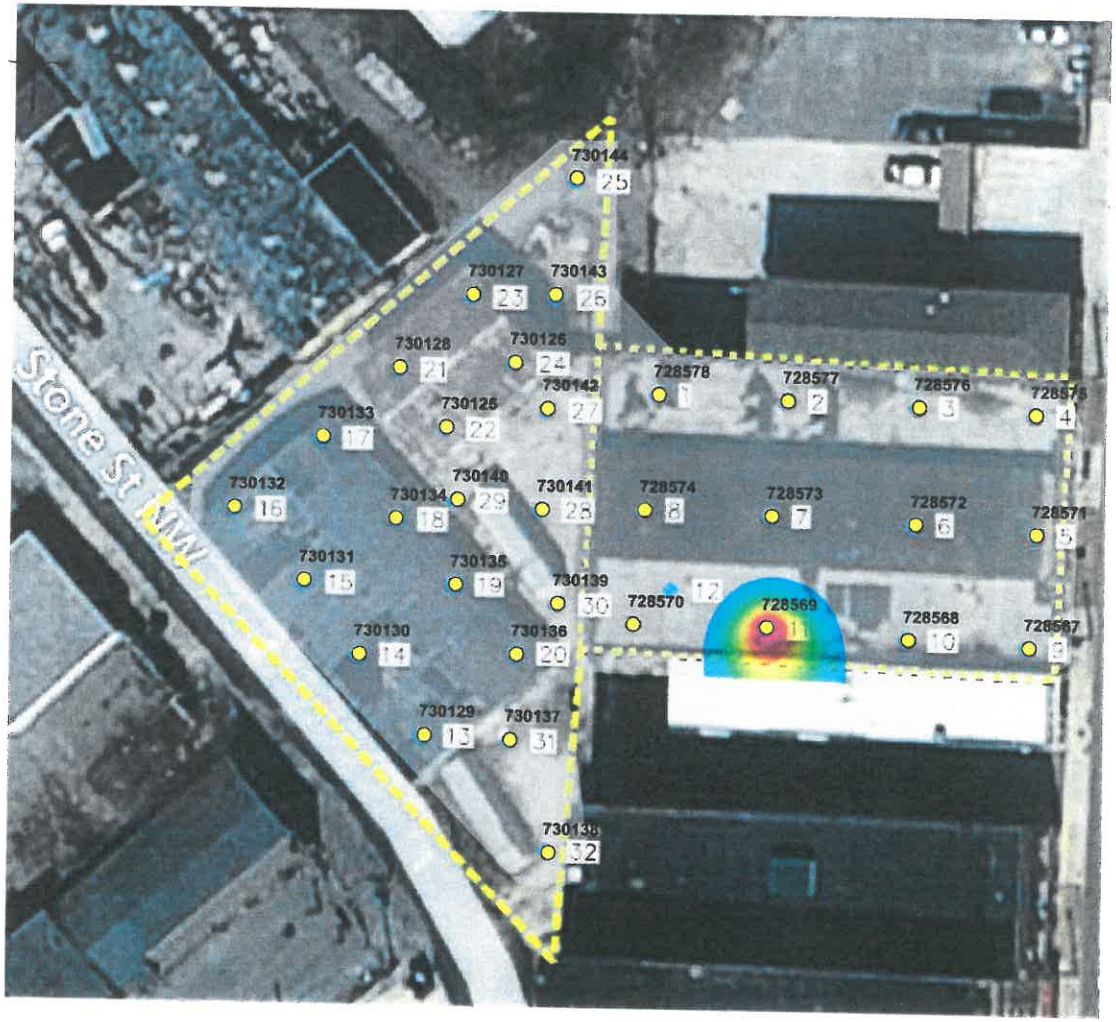

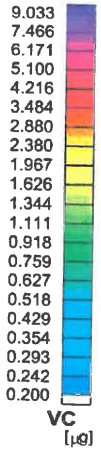

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry Ph 1 & 2
Vinyl chloride

Scale 1:480

25 0 25 50 75

US survey foot

WGS 84 / *Tennessee CS27

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DATE DRAWN: 03 June 2014 | DRAWN BY: JW | ORIG. CAD: Sanitary...DWG | SITE CODE:

REV. DATE: | REV. #: | PROJECT NUMBER: 01109

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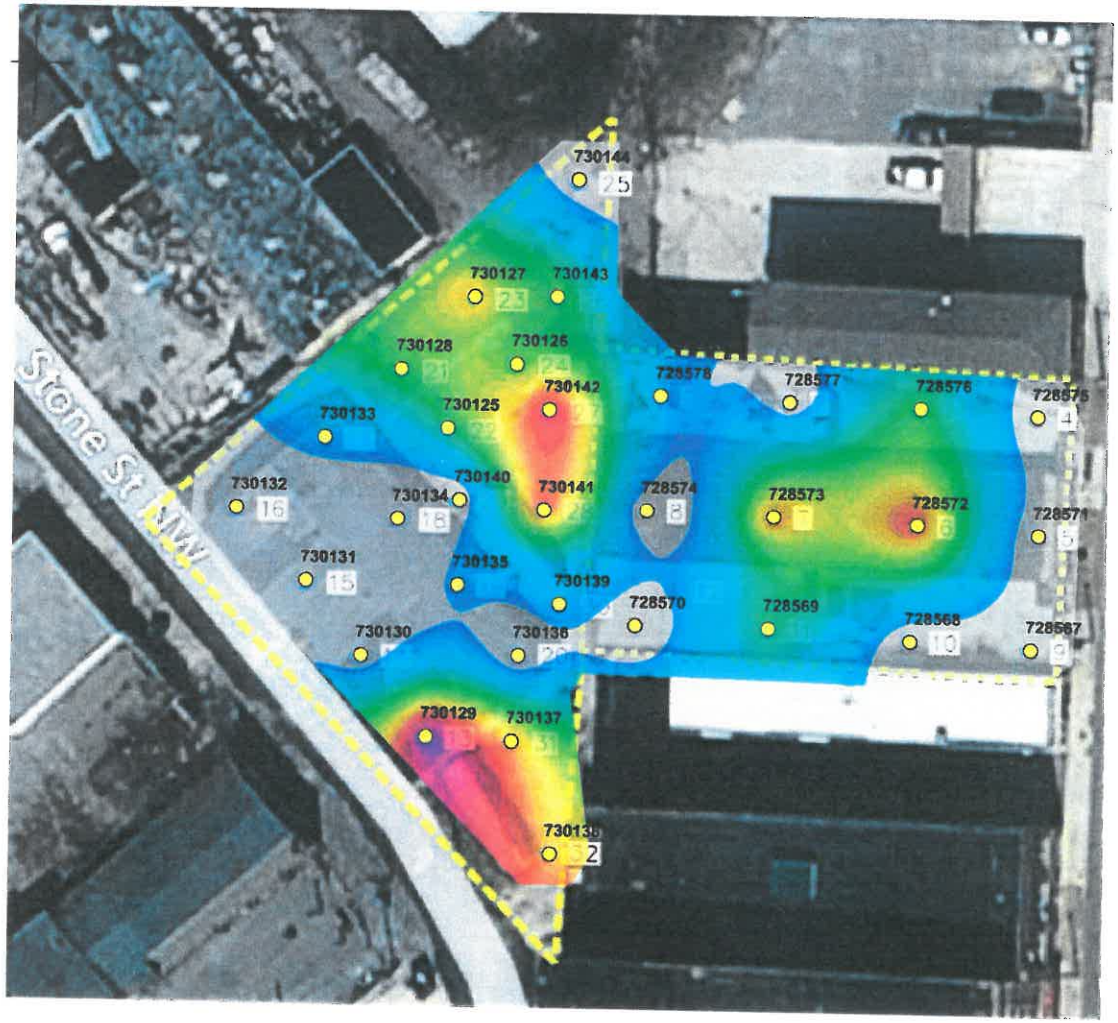

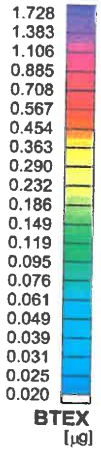

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry Ph 1 & 2
BTEX

Scale 1:480

25 0 25 50 75

US survey foot

WGS 84 / *Tennessee CS27

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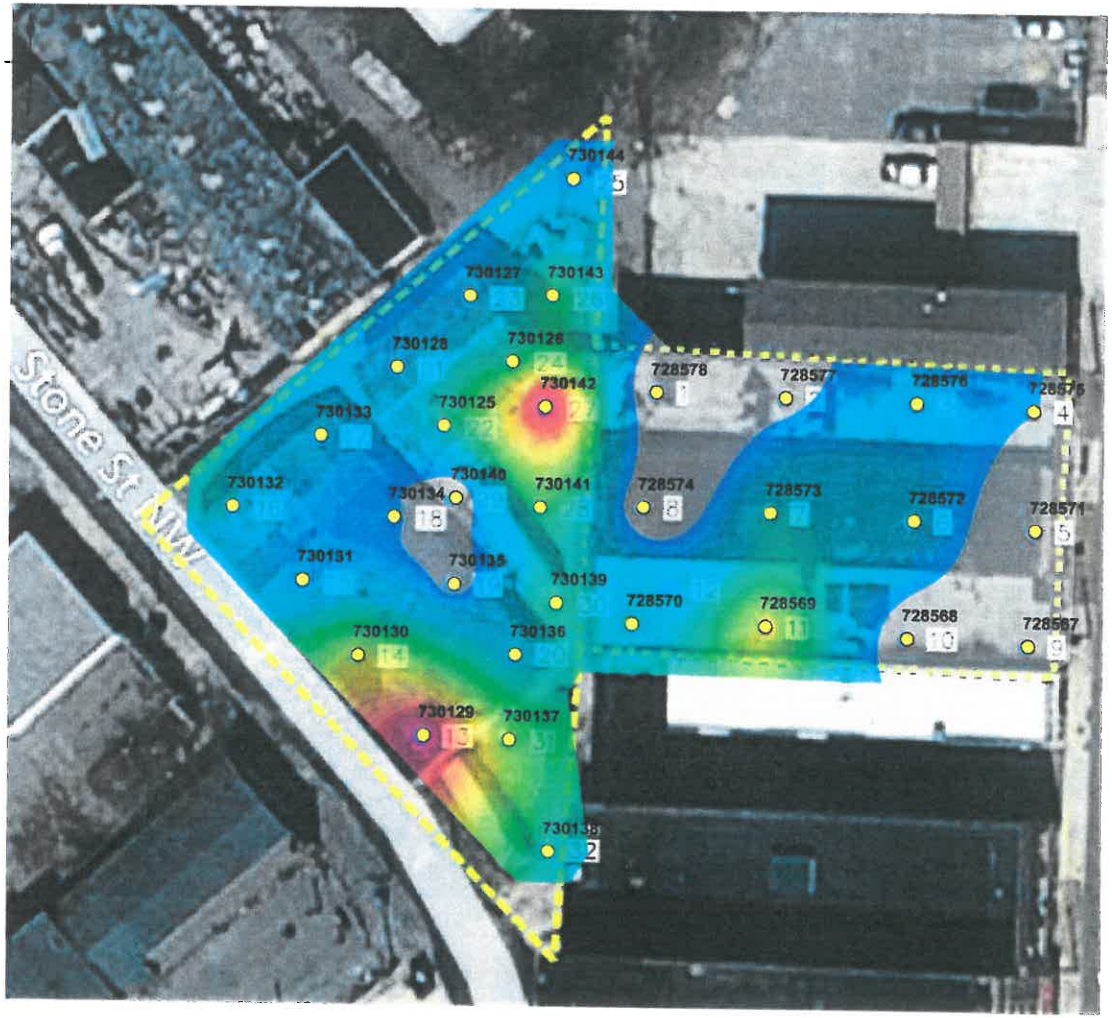

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150.727
107.735
77.005
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39.342
28.120
20.099
14.366
10.269
7.340
5.246
3.750
2.680
1.916
1.369
0.979
0.700
0.500

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S&ME, Inc., Louisville, TN
Former Sanitary Laundry Ph 1 & 2
Total Petroleum Hydrocarbons

Scale 1:480

25 0 25 50 75

US survey foot

WGS 84 / *Tennessee CS27

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DATE DRAWN: 05 June 2014 | DRAWN BY: JW | ORIG. CAD: Sanitary...DWG | SITE CODE:

REV. DATE: | REV. #: | PROJECT NUMBER: 01109

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Tax I.D. 62-0814289

Est. 1970

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Tuesday July 15, 2014

Report Number: L705269
Samples Received: 06/18/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.030	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.6	2.0	mg/kg	6010B	06/22/14	1
Barium	59.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	22.	1.0	mg/kg	6010B	06/22/14	1
Lead	15.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.1	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	3.2	1.3	mg/kg	TNGRO	06/25/14	12.75
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	79.5		% Rec.	TNGRO	06/25/14	12.75
Volatile Organics						
Acetone	BDL	0.64	mg/kg	8260B	06/21/14	12.75
Acrylonitrile	BDL	0.13	mg/kg	8260B	06/21/14	12.75
Benzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromodichloromethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromoform	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromomethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
n-Butylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
sec-Butylbenzene	0.035	0.013	mg/kg	8260B	06/21/14	12.75
tert-Butylbenzene	0.024	0.013	mg/kg	8260B	06/21/14	12.75
Carbon tetrachloride	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Chlorobenzene	0.026	0.013	mg/kg	8260B	06/21/14	12.75
Chlorodibromomethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Chloroethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
2-Chloroethyl vinyl ether	BDL	0.64	mg/kg	8260B	06/21/14	12.75
Chloroform	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Chloromethane	BDL	0.032	mg/kg	8260B	06/21/14	12.75
2-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
4-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dibromo-3-Chloropropane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2-Dibromoethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Dibromomethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,4-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Dichlorodifluoromethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,1-Dichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
cis-1,2-Dichloroethene	0.17	0.013	mg/kg	8260B	06/21/14	12.75
trans-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
cis-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
trans-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
2,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Di-isopropyl ether	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Ethylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Hexachloro-1,3-butadiene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Isopropylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
p-Isopropyltoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Methylene Chloride	BDL	0.13	mg/kg	8260B	06/21/14	12.75
4-Methyl-2-pentanone (MIBK)	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Methyl tert-butyl ether	BDL	0.13	mg/kg	8260B	06/21/14	12.75
Naphthalene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
n-Propylbenzene	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Styrene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,1,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2-Trichlorotrifluoroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Tetrachloroethene	1.6	0.013	mg/kg	8260B	06/21/14	12.75
Toluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2,3-Trichlorobenzene	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2,4-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,1-Trichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2-Trichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Trichloroethene	0.50	0.013	mg/kg	8260B	06/21/14	12.75
Trichlorofluoromethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2,3-Trichloropropane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2,4-Trimethylbenzene	0.18	0.032	mg/kg	8260B	06/21/14	12.75
1,2,3-Trimethylbenzene	0.048	0.013	mg/kg	8260B	06/21/14	12.75
Vinyl chloride	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3,5-Trimethylbenzene	0.050	0.013	mg/kg	8260B	06/21/14	12.75
Xylenes, Total	BDL	0.038	mg/kg	8260B	06/21/14	12.75
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	06/21/14	12.75
Dibromofluoromethane	98.0		% Rec.	8260B	06/21/14	12.75
4-Bromofluorobenzene	113.		% Rec.	8260B	06/21/14	12.75
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	63.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	0.19	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	0.25	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	0.37	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	0.22	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	0.11	0.033	mg/kg	8270C	06/22/14	1
Chrysene	0.24	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	0.053	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	0.35	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	0.17	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	0.068	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	0.18	0.033	mg/kg	8270C	06/22/14	1
Pyrene	0.30	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	79.4		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	65.5		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	67.8		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	73.1		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	94.7		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.033	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	120	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	28.	5.0	mg/kg	6010B	06/22/14	5
Lead	12.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.70	mg/kg	8260B	06/21/14	14
Acrylonitrile	BDL	0.14	mg/kg	8260B	06/21/14	14
Benzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromodichloromethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromoform	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromomethane	BDL	0.070	mg/kg	8260B	06/21/14	14
n-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
sec-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
tert-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Carbon tetrachloride	BDL	0.014	mg/kg	8260B	06/21/14	14
Chlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Chlorodibromomethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Chloroethane	BDL	0.070	mg/kg	8260B	06/21/14	14
2-Chloroethyl vinyl ether	BDL	0.70	mg/kg	8260B	06/21/14	14
Chloroform	BDL	0.070	mg/kg	8260B	06/21/14	14
Chloromethane	BDL	0.035	mg/kg	8260B	06/21/14	14
2-Chlorotoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
4-Chlorotoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dibromo-3-Chloropropane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2-Dibromoethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Dibromomethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,4-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Dichlorodifluoromethane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,1-Dichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.014	mg/kg	8260B	06/21/14	14
cis-1,2-Dichloroethene	0.073	0.014	mg/kg	8260B	06/21/14	14
trans-1,2-Dichloroethene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
cis-1,3-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
trans-1,3-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
2,2-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
Di-isopropyl ether	BDL	0.014	mg/kg	8260B	06/21/14	14
Ethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Hexachloro-1,3-butadiene	BDL	0.014	mg/kg	8260B	06/21/14	14
Isopropylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
p-Isopropyltoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
2-Butanone (MEK)	BDL	0.14	mg/kg	8260B	06/21/14	14
Methylene Chloride	BDL	0.070	mg/kg	8260B	06/21/14	14
4-Methyl-2-pentanone (MIBK)	BDL	0.14	mg/kg	8260B	06/21/14	14
Methyl tert-butyl ether	BDL	0.014	mg/kg	8260B	06/21/14	14
Naphthalene	BDL	0.070	mg/kg	8260B	06/21/14	14
n-Propylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Styrene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,1,2-Tetrachloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2,2-Tetrachloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2-Trichlorotrifluoroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Tetrachloroethene	0.11	0.014	mg/kg	8260B	06/21/14	14
Toluene	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2,3-Trichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2,4-Trichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,1-Trichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2-Trichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Trichloroethene	0.058	0.014	mg/kg	8260B	06/21/14	14
Trichlorofluoromethane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2,3-Trichloropropane	BDL	0.035	mg/kg	8260B	06/21/14	14
1,2,4-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2,3-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Vinyl chloride	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3,5-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Xylenes, Total	BDL	0.042	mg/kg	8260B	06/21/14	14
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	06/21/14	14
Dibromofluoromethane	97.4		% Rec.	8260B	06/21/14	14
4-Bromofluorobenzene	101.		% Rec.	8260B	06/21/14	14
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	62.3		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	68.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	67.4		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	71.3		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	73.7		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	92.3		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	110	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	28.	5.0	mg/kg	6010B	06/22/14	5
Lead	12.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	330	59.	mg/kg	TNGRO	06/25/14	590
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	92.		% Rec.	TNGRO	06/25/14	590
Volatile Organics						
Acetone	BDL	15.	mg/kg	8260B	06/24/14	295
Acrylonitrile	BDL	3.0	mg/kg	8260B	06/24/14	295
Benzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromodichloromethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromoform	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromomethane	BDL	1.5	mg/kg	8260B	06/24/14	295
n-Butylbenzene	3.1	0.30	mg/kg	8260B	06/24/14	295
sec-Butylbenzene	2.6	0.30	mg/kg	8260B	06/24/14	295
tert-Butylbenzene	0.85	0.30	mg/kg	8260B	06/24/14	295
Carbon tetrachloride	BDL	0.30	mg/kg	8260B	06/24/14	295
Chlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Chlorodibromomethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Chloroethane	BDL	1.5	mg/kg	8260B	06/24/14	295
2-Chloroethyl vinyl ether	BDL	15.	mg/kg	8260B	06/24/14	295
Chloroform	BDL	1.5	mg/kg	8260B	06/24/14	295
Chloromethane	BDL	0.74	mg/kg	8260B	06/24/14	295
2-Chlorotoluene	BDL	0.30	mg/kg	8260B	06/24/14	295
4-Chlorotoluene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dibromo-3-Chloropropane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2-Dibromoethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Dibromomethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichlorobenzene	1.1	0.30	mg/kg	8260B	06/24/14	295
1,3-Dichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,4-Dichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Dichlorodifluoromethane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,1-Dichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
cis-1,2-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
trans-1,2-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,3-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
cis-1,3-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
trans-1,3-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
2,2-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
Di-isopropyl ether	BDL	0.30	mg/kg	8260B	06/24/14	295
Ethylbenzene	0.34	0.30	mg/kg	8260B	06/24/14	295
Hexachloro-1,3-butadiene	BDL	0.30	mg/kg	8260B	06/24/14	295
Isopropylbenzene	0.76	0.30	mg/kg	8260B	06/24/14	295
p-Isopropyltoluene	2.9	0.30	mg/kg	8260B	06/24/14	295
2-Butanone (MEK)	BDL	3.0	mg/kg	8260B	06/24/14	295
Methylene Chloride	BDL	1.5	mg/kg	8260B	06/24/14	295
4-Methyl-2-pentanone (MIBK)	BDL	3.0	mg/kg	8260B	06/24/14	295
Methyl tert-butyl ether	BDL	0.30	mg/kg	8260B	06/24/14	295
Naphthalene	3.6	1.5	mg/kg	8260B	06/24/14	295
n-Propylbenzene	2.5	0.30	mg/kg	8260B	06/24/14	295
Styrene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,1,2-Tetrachloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2,2-Tetrachloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2-Trichlorotrifluoroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Tetrachloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
Toluene	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2,3-Trichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2,4-Trichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,1-Trichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2-Trichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Trichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
Trichlorofluoromethane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2,3-Trichloropropane	BDL	0.74	mg/kg	8260B	06/24/14	295
1,2,4-Trimethylbenzene	25.	0.30	mg/kg	8260B	06/24/14	295
1,2,3-Trimethylbenzene	7.7	0.30	mg/kg	8260B	06/24/14	295
Vinyl chloride	BDL	0.30	mg/kg	8260B	06/24/14	295
1,3,5-Trimethylbenzene	7.3	0.30	mg/kg	8260B	06/24/14	295
Xylenes, Total	BDL	0.88	mg/kg	8260B	06/24/14	295
Surrogate Recovery						
Toluene-d8	96.0		% Rec.	8260B	06/24/14	295
Dibromofluoromethane	96.3		% Rec.	8260B	06/24/14	295
4-Bromofluorobenzene	138.		% Rec.	8260B	06/24/14	295
Extractable Petroleum Hydrocarb	320	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	68.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	0.057	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	8.2	0.66	mg/kg	8270C	06/23/14	20
Phenanthrene	0.053	0.033	mg/kg	8270C	06/21/14	1
Pyrene	0.050	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	207.		% Rec.	8270C	06/23/14	20
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	82.1		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	77.8		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	92.2		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.027	0.020	mg/kg	7471	06/19/14	1
Arsenic	2.7	2.0	mg/kg	6010B	06/22/14	1
Barium	90.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	7.4	2.5	mg/kg	6010B	06/23/14	5
Selenium	5.0	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/26/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	89.4		% Rec.	TNGRO	06/26/14	1
Volatile Organics						
Acetone	BDL	0.61	mg/kg	8260B	06/24/14	12.25
Acrylonitrile	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Benzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromodichloromethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromoform	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromomethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
n-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
sec-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
tert-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Carbon tetrachloride	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chlorodibromomethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chloroethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
2-Chloroethyl vinyl ether	BDL	0.61	mg/kg	8260B	06/24/14	12.25
Chloroform	BDL	0.061	mg/kg	8260B	06/24/14	12.25
Chloromethane	BDL	0.031	mg/kg	8260B	06/24/14	12.25
2-Chlorotoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
4-Chlorotoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dibromo-3-Chloropropane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2-Dibromoethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Dibromomethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,4-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Dichlorodifluoromethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,1-Dichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
cis-1,2-Dichloroethene	0.018	0.012	mg/kg	8260B	06/24/14	12.25
trans-1,2-Dichloroethene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
cis-1,3-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
trans-1,3-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
2,2-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Di-isopropyl ether	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Ethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Hexachloro-1,3-butadiene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Isopropylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
p-Isopropyltoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
2-Butanone (MEK)	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Methylene Chloride	BDL	0.061	mg/kg	8260B	06/24/14	12.25
4-Methyl-2-pentanone (MIBK)	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Methyl tert-butyl ether	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Naphthalene	BDL	0.061	mg/kg	8260B	06/24/14	12.25
n-Propylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Styrene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,1,2-Tetrachloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2,2-Tetrachloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2-Trichlorotrifluoroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Tetrachloroethene	0.57	0.012	mg/kg	8260B	06/24/14	12.25
Toluene	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2,3-Trichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2,4-Trichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,1-Trichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2-Trichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Trichloroethene	0.073	0.012	mg/kg	8260B	06/24/14	12.25
Trichlorofluoromethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2,3-Trichloropropane	BDL	0.031	mg/kg	8260B	06/24/14	12.25
1,2,4-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2,3-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Vinyl chloride	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3,5-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Xylenes, Total	BDL	0.037	mg/kg	8260B	06/24/14	12.25
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	06/24/14	12.25
Dibromofluoromethane	94.5		% Rec.	8260B	06/24/14	12.25
4-Bromofluorobenzene	95.5		% Rec.	8260B	06/24/14	12.25
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	59.7		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	62.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	64.7		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	60.4		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	74.3		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	96.4		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
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Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.39	0.020	mg/kg	7471	06/19/14	1
Arsenic	10.	2.0	mg/kg	6010B	06/22/14	1
Barium	130	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.88	0.50	mg/kg	6010B	06/22/14	1
Chromium	31.	1.0	mg/kg	6010B	06/22/14	1
Lead	57.	0.50	mg/kg	6010B	06/22/14	1
Selenium	11.	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	11.	1.6	mg/kg	TNGRO	06/26/14	16
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	98.		% Rec.	TNGRO	06/26/14	16
Volatile Organics						
Acetone	BDL	0.80	mg/kg	8260B	06/25/14	16
Acrylonitrile	BDL	0.16	mg/kg	8260B	06/25/14	16
Benzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromodichloromethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromoform	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromomethane	BDL	0.080	mg/kg	8260B	06/25/14	16
n-Butylbenzene	0.19	0.016	mg/kg	8260B	06/25/14	16
sec-Butylbenzene	0.17	0.016	mg/kg	8260B	06/25/14	16
tert-Butylbenzene	0.20	0.016	mg/kg	8260B	06/25/14	16
Carbon tetrachloride	BDL	0.016	mg/kg	8260B	06/25/14	16
Chlorobenzene	0.017	0.016	mg/kg	8260B	06/25/14	16
Chlorodibromomethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Chloroethane	BDL	0.080	mg/kg	8260B	06/25/14	16
2-Chloroethyl vinyl ether	BDL	0.80	mg/kg	8260B	06/25/14	16
Chloroform	BDL	0.080	mg/kg	8260B	06/25/14	16
Chloromethane	BDL	0.040	mg/kg	8260B	06/25/14	16
2-Chlorotoluene	BDL	0.016	mg/kg	8260B	06/25/14	16
4-Chlorotoluene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dibromo-3-Chloropropane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2-Dibromoethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Dibromomethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichlorobenzene	0.051	0.016	mg/kg	8260B	06/25/14	16
1,3-Dichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,4-Dichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Dichlorodifluoromethane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,1-Dichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.016	mg/kg	8260B	06/25/14	16
cis-1,2-Dichloroethene	0.058	0.016	mg/kg	8260B	06/25/14	16
trans-1,2-Dichloroethene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,3-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
cis-1,3-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
trans-1,3-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
2,2-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
Di-isopropyl ether	BDL	0.016	mg/kg	8260B	06/25/14	16
Ethylbenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Hexachloro-1,3-butadiene	BDL	0.016	mg/kg	8260B	06/25/14	16
Isopropylbenzene	0.022	0.016	mg/kg	8260B	06/25/14	16
p-Isopropyltoluene	0.020	0.016	mg/kg	8260B	06/25/14	16
2-Butanone (MEK)	BDL	0.16	mg/kg	8260B	06/25/14	16
Methylene Chloride	BDL	0.080	mg/kg	8260B	06/25/14	16
4-Methyl-2-pentanone (MIBK)	BDL	0.16	mg/kg	8260B	06/25/14	16
Methyl tert-butyl ether	BDL	0.016	mg/kg	8260B	06/25/14	16
Naphthalene	BDL	0.080	mg/kg	8260B	06/25/14	16
n-Propylbenzene	0.092	0.016	mg/kg	8260B	06/25/14	16
Styrene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,1,2-Tetrachloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2,2-Tetrachloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2-Trichlorotrifluoroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Tetrachloroethene	1.0	0.016	mg/kg	8260B	06/25/14	16
Toluene	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2,3-Trichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2,4-Trichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,1-Trichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2-Trichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Trichloroethene	0.034	0.016	mg/kg	8260B	06/25/14	16
Trichlorofluoromethane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2,3-Trichloropropane	BDL	0.040	mg/kg	8260B	06/25/14	16
1,2,4-Trimethylbenzene	0.19	0.016	mg/kg	8260B	06/25/14	16
1,2,3-Trimethylbenzene	0.030	0.016	mg/kg	8260B	06/25/14	16
Vinyl chloride	BDL	0.016	mg/kg	8260B	06/25/14	16
1,3,5-Trimethylbenzene	0.039	0.016	mg/kg	8260B	06/25/14	16
Xylenes, Total	0.061	0.048	mg/kg	8260B	06/25/14	16
Surrogate Recovery						
Toluene-d8	95.9		% Rec.	8260B	06/25/14	16
Dibromofluoromethane	87.8		% Rec.	8260B	06/25/14	16
4-Bromofluorobenzene	93.9		% Rec.	8260B	06/25/14	16
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	64.2		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	0.14	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	72.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	53.5		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	63.2		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	69.6		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	188.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:48

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-06

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : GP-6 12.5-15.0FT

Project # : 1434-11-392-007

Collected By :
Collection Date : 06/16/14 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.037	0.020	mg/kg	7471	06/19/14	1
Arsenic	5.6	2.0	mg/kg	6010B	06/22/14	1
Barium	64.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	21.	1.0	mg/kg	6010B	06/22/14	1
Lead	29.	0.50	mg/kg	6010B	06/22/14	1
Selenium	5.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	1.6	1.3	mg/kg	TNGRO	06/25/14	13.25
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	143.		% Rec.	TNGRO	06/25/14	13.25
Volatile Organics						
Acetone	BDL	0.66	mg/kg	8260B	06/24/14	13.25
Acrylonitrile	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Benzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromodichloromethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromoform	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromomethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
n-Butylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
sec-Butylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
tert-Butylbenzene	0.014	0.013	mg/kg	8260B	06/24/14	13.25
Carbon tetrachloride	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chlorodibromomethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chloroethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
2-Chloroethyl vinyl ether	BDL	0.66	mg/kg	8260B	06/24/14	13.25
Chloroform	BDL	0.066	mg/kg	8260B	06/24/14	13.25
Chloromethane	BDL	0.033	mg/kg	8260B	06/24/14	13.25
2-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
4-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dibromo-3-Chloropropane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2-Dibromoethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Dibromomethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,4-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Dichlorodifluoromethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,1-Dichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 12.5-15.0FT

Collected By :
Collection Date : 06/16/14 14:05

ESC Sample # : L705269-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
cis-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
trans-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
cis-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
trans-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
2,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Di-isopropyl ether	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Ethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Hexachloro-1,3-butadiene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Isopropylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
p-Isopropyltoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
2-Butanone (MEK)	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Methylene Chloride	BDL	0.066	mg/kg	8260B	06/24/14	13.25
4-Methyl-2-pentanone (MIBK)	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Methyl tert-butyl ether	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Naphthalene	BDL	0.066	mg/kg	8260B	06/24/14	13.25
n-Propylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Styrene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,1,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2-Trichlorotrifluoroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Tetrachloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Toluene	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2,3-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2,4-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,1-Trichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2-Trichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Trichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Trichlorofluoromethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2,3-Trichloropropane	BDL	0.033	mg/kg	8260B	06/24/14	13.25
1,2,4-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2,3-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Vinyl chloride	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3,5-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Xylenes, Total	BDL	0.040	mg/kg	8260B	06/24/14	13.25
Surrogate Recovery						
Toluene-d8	95.5		% Rec.	8260B	06/24/14	13.25
Dibromofluoromethane	93.5		% Rec.	8260B	06/24/14	13.25
4-Bromofluorobenzene	113.		% Rec.	8260B	06/24/14	13.25
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 12.5-15.0FT

Collected By :
Collection Date : 06/16/14 14:05

ESC Sample # : L705269-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	61.9		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	74.2		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	67.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	70.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	78.7		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	98.7		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:48
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	4.9	2.0	mg/kg	6010B	06/22/14	1
Barium	83.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	22.	1.0	mg/kg	6010B	06/22/14	1
Lead	34.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.8	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	133.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	0.0031	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	0.014	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	0.0029	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	107.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	103.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	63.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.3		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	64.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	71.9		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	81.4		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	103.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-08

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : GP-7 15-17.5FT

Project # : 1434-11-392-007

Collected By :
Collection Date : 06/16/14 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	2.0	mg/kg	6010B	06/22/14	1
Barium	77.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	8.5	0.50	mg/kg	6010B	06/22/14	1
Selenium	5.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	109.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	0.0025	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 15-17.5FT

Collected By :
Collection Date : 06/16/14 13:20

ESC Sample # : L705269-08

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	102.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	107.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 15-17.5FT

Collected By :
Collection Date : 06/16/14 13:20

ESC Sample # : L705269-08

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	58.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	67.7		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	66.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	70.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	84.9		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.026	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	87.	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	26.	5.0	mg/kg	6010B	06/22/14	5
Lead	27.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	86.3		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	99.8		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	56.3		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	64.6		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	67.2		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	61.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	86.6		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:48

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.022	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.3	2.0	mg/kg	6010B	06/22/14	1
Barium	41.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.57	0.50	mg/kg	6010B	06/22/14	1
Chromium	26.	1.0	mg/kg	6010B	06/22/14	1
Lead	28.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.9	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	140	50.	mg/kg	TNGRO	06/24/14	500
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	88.3		% Rec.	TNGRO	06/24/14	500
Volatile Organics						
Acetone	BDL	14.	mg/kg	8260B	06/20/14	270
Acrylonitrile	BDL	2.7	mg/kg	8260B	06/20/14	270
Benzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromodichloromethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromoform	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromomethane	BDL	1.4	mg/kg	8260B	06/20/14	270
n-Butylbenzene	0.51	0.27	mg/kg	8260B	06/20/14	270
sec-Butylbenzene	1.2	0.27	mg/kg	8260B	06/20/14	270
tert-Butylbenzene	0.65	0.27	mg/kg	8260B	06/20/14	270
Carbon tetrachloride	BDL	0.27	mg/kg	8260B	06/20/14	270
Chlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Chlorodibromomethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Chloroethane	BDL	1.4	mg/kg	8260B	06/20/14	270
2-Chloroethyl vinyl ether	BDL	14.	mg/kg	8260B	06/20/14	270
Chloroform	BDL	1.4	mg/kg	8260B	06/20/14	270
Chloromethane	BDL	0.68	mg/kg	8260B	06/20/14	270
2-Chlorotoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
4-Chlorotoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dibromo-3-Chloropropane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2-Dibromoethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Dibromomethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,4-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Dichlorodifluoromethane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,1-Dichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
cis-1,2-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
trans-1,2-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
cis-1,3-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
trans-1,3-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
2,2-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
Di-isopropyl ether	BDL	0.27	mg/kg	8260B	06/20/14	270
Ethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Hexachloro-1,3-butadiene	BDL	0.27	mg/kg	8260B	06/20/14	270
Isopropylbenzene	0.28	0.27	mg/kg	8260B	06/20/14	270
p-Isopropyltoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
2-Butanone (MEK)	BDL	2.7	mg/kg	8260B	06/20/14	270
Methylene Chloride	BDL	1.4	mg/kg	8260B	06/20/14	270
4-Methyl-2-pentanone (MIBK)	BDL	2.7	mg/kg	8260B	06/20/14	270
Methyl tert-butyl ether	BDL	0.27	mg/kg	8260B	06/20/14	270
Naphthalene	BDL	1.4	mg/kg	8260B	06/20/14	270
n-Propylbenzene	0.78	0.27	mg/kg	8260B	06/20/14	270
Styrene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,1,2-Tetrachloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2,2-Tetrachloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2-Trichlorotrifluoroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Tetrachloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
Toluene	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2,3-Trichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2,4-Trichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,1-Trichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2-Trichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Trichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
Trichlorofluoromethane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2,3-Trichloropropane	BDL	0.68	mg/kg	8260B	06/20/14	270
1,2,4-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2,3-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Vinyl chloride	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3,5-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Xylenes, Total	BDL	0.81	mg/kg	8260B	06/20/14	270
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/20/14	270
Dibromofluoromethane	96.7		% Rec.	8260B	06/20/14	270
4-Bromofluorobenzene	119.		% Rec.	8260B	06/20/14	270
Extractable Petroleum Hydrocarb	23.	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	81.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	70.6		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	63.0		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	71.6		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	84.8		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	103.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.023	0.020	mg/kg	7471	06/19/14	1
Arsenic	4.0	2.0	mg/kg	6010B	06/22/14	1
Barium	64.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.67	0.50	mg/kg	6010B	06/22/14	1
Chromium	24.	1.0	mg/kg	6010B	06/22/14	1
Lead	21.	0.50	mg/kg	6010B	06/22/14	1
Selenium	7.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	260	200	mg/kg	TNGRO	06/24/14	2000
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	103.		% Rec.	TNGRO	06/24/14	2000
Volatile Organics						
Acetone	BDL	57.	mg/kg	8260B	06/20/14	1140
Acrylonitrile	BDL	11.	mg/kg	8260B	06/20/14	1140
Benzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromodichloromethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromoform	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromomethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
n-Butylbenzene	1.2	1.1	mg/kg	8260B	06/20/14	1140
sec-Butylbenzene	2.9	1.1	mg/kg	8260B	06/20/14	1140
tert-Butylbenzene	1.3	1.1	mg/kg	8260B	06/20/14	1140
Carbon tetrachloride	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chlorodibromomethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chloroethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
2-Chloroethyl vinyl ether	BDL	57.	mg/kg	8260B	06/20/14	1140
Chloroform	BDL	5.7	mg/kg	8260B	06/20/14	1140
Chloromethane	BDL	2.8	mg/kg	8260B	06/20/14	1140
2-Chlorotoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
4-Chlorotoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dibromo-3-Chloropropane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2-Dibromoethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Dibromomethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,4-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Dichlorodifluoromethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,1-Dichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
cis-1,2-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
trans-1,2-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
cis-1,3-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
trans-1,3-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
2,2-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Di-isopropyl ether	BDL	1.1	mg/kg	8260B	06/20/14	1140
Ethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Hexachloro-1,3-butadiene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Isopropylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
p-Isopropyltoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
2-Butanone (MEK)	BDL	11.	mg/kg	8260B	06/20/14	1140
Methylene Chloride	BDL	5.7	mg/kg	8260B	06/20/14	1140
4-Methyl-2-pentanone (MIBK)	BDL	11.	mg/kg	8260B	06/20/14	1140
Methyl tert-butyl ether	BDL	1.1	mg/kg	8260B	06/20/14	1140
Naphthalene	BDL	5.7	mg/kg	8260B	06/20/14	1140
n-Propylbenzene	2.4	1.1	mg/kg	8260B	06/20/14	1140
Styrene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,1,2-Tetrachloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2,2-Tetrachloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2-Trichlorotrifluoroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Tetrachloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Toluene	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2,3-Trichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2,4-Trichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,1-Trichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2-Trichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Trichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Trichlorofluoromethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2,3-Trichloropropane	BDL	2.8	mg/kg	8260B	06/20/14	1140
1,2,4-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2,3-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Vinyl chloride	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3,5-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Xylenes, Total	BDL	3.4	mg/kg	8260B	06/20/14	1140
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/20/14	1140
Dibromofluoromethane	96.5		% Rec.	8260B	06/20/14	1140
4-Bromofluorobenzene	108.		% Rec.	8260B	06/20/14	1140
Extractable Petroleum Hydrocarb	160	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	76.7		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	0.31	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	106.		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	79.0		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	79.5		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.095	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.8	2.0	mg/kg	6010B	06/22/14	1
Barium	82.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.50	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	42.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.1	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	150	49.	mg/kg	TNGRO	06/25/14	490
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	91.7		% Rec.	TNGRO	06/25/14	490
Volatile Organics						
Acetone	BDL	49.	mg/kg	8260B	06/20/14	980
Acrylonitrile	BDL	9.8	mg/kg	8260B	06/20/14	980
Benzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromodichloromethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromoform	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromomethane	BDL	4.9	mg/kg	8260B	06/20/14	980
n-Butylbenzene	1.3	0.98	mg/kg	8260B	06/20/14	980
sec-Butylbenzene	4.6	0.98	mg/kg	8260B	06/20/14	980
tert-Butylbenzene	1.4	0.98	mg/kg	8260B	06/20/14	980
Carbon tetrachloride	BDL	0.98	mg/kg	8260B	06/20/14	980
Chlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Chlorodibromomethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Chloroethane	BDL	4.9	mg/kg	8260B	06/20/14	980
2-Chloroethyl vinyl ether	BDL	49.	mg/kg	8260B	06/20/14	980
Chloroform	BDL	4.9	mg/kg	8260B	06/20/14	980
Chloromethane	BDL	2.4	mg/kg	8260B	06/20/14	980
2-Chlorotoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
4-Chlorotoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dibromo-3-Chloropropane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2-Dibromoethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Dibromomethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,4-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Dichlorodifluoromethane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,1-Dichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
cis-1,2-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
trans-1,2-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
cis-1,3-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
trans-1,3-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
2,2-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
Di-isopropyl ether	BDL	0.98	mg/kg	8260B	06/20/14	980
Ethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Hexachloro-1,3-butadiene	BDL	0.98	mg/kg	8260B	06/20/14	980
Isopropylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
p-Isopropyltoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
2-Butanone (MEK)	BDL	9.8	mg/kg	8260B	06/20/14	980
Methylene Chloride	BDL	4.9	mg/kg	8260B	06/20/14	980
4-Methyl-2-pentanone (MIBK)	BDL	9.8	mg/kg	8260B	06/20/14	980
Methyl tert-butyl ether	BDL	0.98	mg/kg	8260B	06/20/14	980
Naphthalene	BDL	4.9	mg/kg	8260B	06/20/14	980
n-Propylbenzene	2.8	0.98	mg/kg	8260B	06/20/14	980
Styrene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,1,2-Tetrachloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2,2-Tetrachloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2-Trichlorotrifluoroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Tetrachloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
Toluene	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2,3-Trichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2,4-Trichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,1-Trichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2-Trichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Trichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
Trichlorofluoromethane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2,3-Trichloropropane	BDL	2.4	mg/kg	8260B	06/20/14	980
1,2,4-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2,3-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Vinyl chloride	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3,5-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Xylenes, Total	BDL	2.9	mg/kg	8260B	06/20/14	980
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/20/14	980
Dibromofluoromethane	99.6		% Rec.	8260B	06/20/14	980
4-Bromofluorobenzene	107.		% Rec.	8260B	06/20/14	980
Extractable Petroleum Hydrocarb	140	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
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1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	85.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.4		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	61.1		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	67.3		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	56.2		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	84.6		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.026	0.020	mg/kg	7471	06/19/14	1
Arsenic	5.6	2.0	mg/kg	6010B	06/22/14	1
Barium	70.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	20.	1.0	mg/kg	6010B	06/22/14	1
Lead	11.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.6	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	160	15.	mg/kg	TNGRO	06/25/14	148
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	87.6		% Rec.	TNGRO	06/25/14	148
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/22/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/22/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
n-Butylbenzene	0.0086	0.0010	mg/kg	8260B	06/22/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
tert-Butylbenzene	0.10	0.0010	mg/kg	8260B	06/22/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/22/14	1
Chlorobenzene	0.023	0.0010	mg/kg	8260B	06/22/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/22/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/22/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/22/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-13 **(V8260)** - This is the 2nd run confirming surrogate >200%.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/22/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Isopropylbenzene	0.0087	0.0010	mg/kg	8260B	06/22/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/22/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/22/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/22/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/22/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/22/14	1
n-Propylbenzene	0.021	0.0010	mg/kg	8260B	06/22/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/22/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/22/14	1
Surrogate Recovery						
Toluene-d8	86.3		% Rec.	8260B	06/22/14	1
Dibromofluoromethane	100.		% Rec.	8260B	06/22/14	1
4-Bromofluorobenzene	1400		% Rec.	8260B	06/22/14	1
Extractable Petroleum Hydrocarb	4.3	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-13 (V8260) - This is the 2nd run confirming surrogate >200%.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	80.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/23/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/23/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Naphthalene	0.055	0.033	mg/kg	8270C	06/23/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Surrogate Recovery						
Nitrobenzene-d5	115.		% Rec.	8270C	06/23/14	1
2-Fluorobiphenyl	72.3		% Rec.	8270C	06/23/14	1
p-Terphenyl-d14	69.0		% Rec.	8270C	06/23/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.3		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	67.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-13 (V8260) - This is the 2nd run confirming surrogate >200%.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.19	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.6	2.0	mg/kg	6010B	06/22/14	1
Barium	140	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.66	0.50	mg/kg	6010B	06/22/14	1
Chromium	26.	1.0	mg/kg	6010B	06/22/14	1
Lead	43.	0.50	mg/kg	6010B	06/22/14	1
Selenium	10.	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	87.9		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	69.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.0		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	62.8		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	63.7		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	46.8		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	73.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.7	2.0	mg/kg	6010B	06/22/14	1
Barium	51.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	19.	1.0	mg/kg	6010B	06/22/14	1
Lead	14.	0.50	mg/kg	6010B	06/22/14	1
Selenium	4.6	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.5		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	78.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.0		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	70.6		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	61.9		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.1		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	80.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.043	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.3	2.0	mg/kg	6010B	06/23/14	1
Barium	100	0.50	mg/kg	6010B	06/23/14	1
Cadmium	0.61	0.50	mg/kg	6010B	06/23/14	1
Chromium	20.	1.0	mg/kg	6010B	06/23/14	1
Lead	72.	0.50	mg/kg	6010B	06/23/14	1
Selenium	BDL	2.0	mg/kg	6010B	06/23/14	1
Silver	BDL	1.0	mg/kg	6010B	06/23/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	71.	5.0	mg/kg	TNGRO	06/25/14	50
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	116.		% Rec.	TNGRO	06/25/14	50
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/24/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/24/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
n-Butylbenzene	0.020	0.0010	mg/kg	8260B	06/24/14	1
sec-Butylbenzene	0.0074	0.0010	mg/kg	8260B	06/24/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/24/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/24/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/24/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/24/14	1
Ethylbenzene	0.0030	0.0010	mg/kg	8260B	06/24/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Isopropylbenzene	0.0090	0.0010	mg/kg	8260B	06/24/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/24/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/24/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/24/14	1
Naphthalene	0.021	0.0050	mg/kg	8260B	06/24/14	1
n-Propylbenzene	0.030	0.0010	mg/kg	8260B	06/24/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Tetrachloroethene	0.0032	0.0010	mg/kg	8260B	06/24/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/24/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2,3-Trimethylbenzene	0.0021	0.0010	mg/kg	8260B	06/24/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/24/14	1
Surrogate Recovery						
Toluene-d8	89.5		% Rec.	8260B	06/24/14	1
Dibromofluoromethane	98.1		% Rec.	8260B	06/24/14	1
4-Bromofluorobenzene	62.2		% Rec.	8260B	06/24/14	1
Extractable Petroleum Hydrocarb	180	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	86.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	0.12	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.7		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	67.9		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	62.9		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	97.6		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	120	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	25.	10.	mg/kg	6010B	06/23/14	10
Lead	12.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	57.	6.5	mg/kg	TNGRO	06/25/14	65
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	93.		% Rec.	TNGRO	06/25/14	65
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	0.040	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	0.020	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	0.0092	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	0.067	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	0.032	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	0.0017	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	0.060	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	0.093	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	0.0013	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	0.0034	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	0.0027	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	0.0078	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	101.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	98.4		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	76.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	0.28	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.9		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	52.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	56.8		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	39.0		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	62.0		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.037	0.020	mg/kg	7471	06/19/14	1
Arsenic	3.1	2.0	mg/kg	6010B	06/23/14	1
Barium	51.	0.50	mg/kg	6010B	06/23/14	1
Cadmium	0.50	0.50	mg/kg	6010B	06/23/14	1
Chromium	18.	1.0	mg/kg	6010B	06/23/14	1
Lead	20.	0.50	mg/kg	6010B	06/23/14	1
Selenium	BDL	2.0	mg/kg	6010B	06/23/14	1
Silver	BDL	1.0	mg/kg	6010B	06/23/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	83.2		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/23/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/23/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
sec-Butylbenzene	0.0037	0.0010	mg/kg	8260B	06/23/14	1
tert-Butylbenzene	0.0016	0.0010	mg/kg	8260B	06/23/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/23/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/23/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/23/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/23/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/23/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/23/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/23/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/23/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/23/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/23/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/23/14	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/23/14	1
Dibromofluoromethane	99.3		% Rec.	8260B	06/23/14	1
4-Bromofluorobenzene	112.		% Rec.	8260B	06/23/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	83.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.7		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	67.3		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	59.1		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	37.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	66.7		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	140	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	23.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	95.4		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.018	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	0.0011	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.6		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	68.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	68.1		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	65.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	54.1		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	45.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	74.1		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.035	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	110	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	26.	10.	mg/kg	6010B	06/23/14	10
Lead	18.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	99.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.053	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	74.2		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	73.4		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	68.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	57.6		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	47.6		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	78.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.043	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	82.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	12.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.18	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	0.066	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.060	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	0.0033	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	0.0013	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	0.0012	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	107.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	99.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	72.4		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	97.3		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	91.2		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	86.3		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.5		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	75.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

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S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 0-5FT

Collected By :
Collection Date : 06/16/14 09:52

ESC Sample # : L705269-22

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.13	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	50.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	16.	10.	mg/kg	6010B	06/23/14	10
Lead	25.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/26/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	50.6		% Rec.	TNGRO	06/26/14	1
Volatile Organics						
Acetone	BDL	0.89	mg/kg	8260B	06/21/14	17.75
Acrylonitrile	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Benzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromodichloromethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromoform	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromomethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
n-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
sec-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
tert-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Carbon tetrachloride	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chlorodibromomethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chloroethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
2-Chloroethyl vinyl ether	BDL	0.89	mg/kg	8260B	06/21/14	17.75
Chloroform	BDL	0.089	mg/kg	8260B	06/21/14	17.75
Chloromethane	BDL	0.044	mg/kg	8260B	06/21/14	17.75
2-Chlorotoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
4-Chlorotoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dibromo-3-Chloropropane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2-Dibromoethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Dibromomethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,4-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Dichlorodifluoromethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,1-Dichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 0-5FT

Collected By :
Collection Date : 06/16/14 09:52

ESC Sample # : L705269-22

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
cis-1,2-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
trans-1,2-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
cis-1,3-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
trans-1,3-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
2,2-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Di-isopropyl ether	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Ethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Hexachloro-1,3-butadiene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Isopropylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
p-Isopropyltoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
2-Butanone (MEK)	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Methylene Chloride	BDL	0.089	mg/kg	8260B	06/21/14	17.75
4-Methyl-2-pentanone (MIBK)	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Methyl tert-butyl ether	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Naphthalene	BDL	0.089	mg/kg	8260B	06/21/14	17.75
n-Propylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Styrene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,1,2-Tetrachloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2,2-Tetrachloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2-Trichlorotrifluoroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Tetrachloroethene	1.7	0.018	mg/kg	8260B	06/21/14	17.75
Toluene	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2,3-Trichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2,4-Trichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,1-Trichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2-Trichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Trichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Trichlorofluoromethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2,3-Trichloropropane	BDL	0.044	mg/kg	8260B	06/21/14	17.75
1,2,4-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2,3-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Vinyl chloride	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3,5-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Xylenes, Total	BDL	0.053	mg/kg	8260B	06/21/14	17.75
Surrogate Recovery						
Toluene-d8	95.1		% Rec.	8260B	06/21/14	17.75
Dibromofluoromethane	90.5		% Rec.	8260B	06/21/14	17.75
4-Bromofluorobenzene	100.		% Rec.	8260B	06/21/14	17.75
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L705269-22

Sample ID : GP-4 0-5FT

Site ID :

Collected By :
Collection Date : 06/16/14 09:52

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	78.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.036	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	0.35	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	0.34	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	0.45	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	0.23	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	0.12	0.033	mg/kg	8270C	06/25/14	1
Chrysene	0.34	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	0.064	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	0.62	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	0.18	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	0.20	0.033	mg/kg	8270C	06/25/14	1
Pyrene	0.55	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	100.		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	83.2		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	83.3		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	28.1		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	51.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.021	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	120	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	16.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.4		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	0.0063	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	0.0065	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.0081	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	0.0012	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	96.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	74.7		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	98.0		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	85.6		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	81.5		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	47.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	72.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	2.3	0.10	mg/kg	7471	06/19/14	5
Arsenic	38.	2.0	mg/kg	6010B	07/11/14	1
Barium	76.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	10.	10.	mg/kg	6010B	06/23/14	10
Lead	120	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.15	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	98.5		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	28.	0.76	mg/kg	8260B	06/25/14	760
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.0019	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.0		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	102.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	88.1		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	130	4.0	mg/kg	EPH	06/27/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	82.9		% Rec.	EPH	06/27/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.40	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	0.22	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	1.1	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	1.0	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	1.3	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	0.71	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	0.37	0.033	mg/kg	8270C	06/25/14	1
Chrysene	0.94	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	0.16	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	2.9	0.033	mg/kg	8270C	06/25/14	1
Fluorene	0.20	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	0.60	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	0.10	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	1.8	0.033	mg/kg	8270C	06/25/14	1
Pyrene	2.2	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	90.3		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	79.7		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	74.0		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	54.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	77.1		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	65.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	8.2	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.14	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	89.2		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	0.0012	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	0.31	0.019	mg/kg	8260B	06/24/14	19
trans-1,2-Dichloroethene	0.0010	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.90	0.019	mg/kg	8260B	06/24/14	19
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.092	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	99.1		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/27/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
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1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	91.9		% Rec.	EPH	06/27/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	96.0		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	92.0		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	96.6		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	44.8		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	72.2		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.057	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	110	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	30.	10.	mg/kg	6010B	06/23/14	10
Lead	18.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	77.9		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.013	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	111.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	95.7		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	86.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	101.		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	92.0		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	86.1		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	48.2		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	81.0		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : TRIPBLANK

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-27

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/20/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
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1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : TRIPBLANK

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-27

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	93.8		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	94.3		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	88.6		% Rec.	8260B	06/20/14	1

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L705269-01	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727624	SAMP	Lead	R2946167	B
L705269-02	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727205	SAMP	Mercury	R2944873	P1J3J6O1
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-03	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727502	SAMP	Nitrobenzene-d5	R2947389	J7
	WG728250	SAMP	4-Bromofluorobenzene	R2947950	J1
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-04	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
L705269-05	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727931	SAMP	Tetrachloro-m-xylene	R2946866	J1
	WG727624	SAMP	Lead	R2946167	B
L705269-06	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727624	SAMP	Lead	R2946167	B
L705269-07	WG727286	SAMP	n-Butylbenzene	R2945490	J3
	WG727286	SAMP	sec-Butylbenzene	R2945490	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2-Dichlorobenzene	R2945490	J3
	WG727286	SAMP	1,3-Dichlorobenzene	R2945490	J3
	WG727286	SAMP	1,4-Dichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,3-Dichloropropane	R2945490	J3
	WG727286	SAMP	trans-1,3-Dichloropropene	R2945490	J3
	WG727286	SAMP	Hexachloro-1,3-butadiene	R2945490	J3
	WG727286	SAMP	Naphthalene	R2945490	J3
	WG727286	SAMP	1,1,2,2-Tetrachloroethane	R2945490	J5J3
	WG727286	SAMP	1,2,3-Trichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,2,4-Trichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,2,3-Trichloropropane	R2945490	J3
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727346	SAMP	TPH (GC/FID) Low Fraction	R2948246	J6
	WG727624	SAMP	Arsenic	R2946167	J6
	WG727624	SAMP	Barium	R2946167	O1J6
	WG727624	SAMP	Cadmium	R2946167	J6
	WG727624	SAMP	Chromium	R2946167	O1J6
	WG727624	SAMP	Lead	R2946167	BO1J6
	WG727624	SAMP	Selenium	R2946167	J6
	WG727624	SAMP	Silver	R2946167	J6
L705269-08	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-09	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-10	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-11	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-12	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG727624	SAMP	Lead	R2946167	B
L705269-13	WG727960	SAMP	cis-1,2-Dichloroethene	R2946607	J4
	WG727960	SAMP	1,2,3-Trimethylbenzene	R2946607	J4
	WG727960	SAMP	Toluene-d8	R2946607	J2
	WG727960	SAMP	4-Bromofluorobenzene	R2946607	J1
	WG727624	SAMP	Lead	R2946167	B
L705269-14	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-15	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-16	WG728250	SAMP	4-Bromofluorobenzene	R2947950	J2
	WG727715	SAMP	Barium	R2947105	O1
	WG727715	SAMP	Chromium	R2947105	O1
	WG727715	SAMP	Lead	R2947105	O1J5J3
L705269-17	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-18	WG727960	SAMP	cis-1,2-Dichloroethene	R2946607	J4
	WG727960	SAMP	1,2,3-Trimethylbenzene	R2946607	J4
L705269-19	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-20	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-21	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-22	WG728761	SAMP	TPH (GC/FID) Low Fraction	R2950187	J6
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-23	WG727349	SAMP	TPH (GC/FID) Low Fraction	R2949317	J6
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-24	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-25	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-26	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
O1	(ESC) The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/15/14 at 09:49:47

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L705269-01 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44
UNI 770179, TM 7/14/14 for a -24 recap.
Sample: L705269-02 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-03 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-04 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-05 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-06 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-07 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44
MS/MSD
Sample: L705269-08 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-09 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-10 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-11 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-12 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-13 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-14 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-15 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-16 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-17 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-18 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-19 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-20 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-21 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-22 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-23 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-24 Account: SME Received: 06/18/14 07:00 Due Date: 07/17/14 00:00 RPT Date: 07/15/14 09:44
Recap for Arsenic origianl value from hot spot in soil jar, TM 7/14
Sample: L705269-25 Account: SME Received: 06/18/14 07:00 Due Date: 06/30/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-26 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-27 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

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Est. 1970

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Nathan Peterson
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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .02	mg/kg			WG727143	06/19/14 15:35
Mercury	< .02	mg/kg			WG727205	06/19/14 19:13
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,1-Trichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2-Trichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,4-Trichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,4-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG727265	06/20/14 01:05
1,2-Dibromoethane	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,3,5-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,3-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,3-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,4-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
2,2-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
2-Butanone (MEK)	< .01	mg/l			WG727265	06/20/14 01:05
2-Chloroethyl vinyl ether	< .05	mg/l			WG727265	06/20/14 01:05
2-Chlorotoluene	< .001	mg/l			WG727265	06/20/14 01:05
4-Chlorotoluene	< .001	mg/l			WG727265	06/20/14 01:05
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG727265	06/20/14 01:05
Acetone	< .05	mg/l			WG727265	06/20/14 01:05
Acrolein	< .025	mg/l			WG727265	06/20/14 01:05
Acrylonitrile	< .01	mg/l			WG727265	06/20/14 01:05
Benzene	< .001	mg/l			WG727265	06/20/14 01:05
Bromobenzene	< .001	mg/l			WG727265	06/20/14 01:05
Bromodichloromethane	< .001	mg/l			WG727265	06/20/14 01:05
Bromoform	< .001	mg/l			WG727265	06/20/14 01:05
Bromomethane	< .005	mg/l			WG727265	06/20/14 01:05
Carbon tetrachloride	< .001	mg/l			WG727265	06/20/14 01:05
Chlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
Chlorodibromomethane	< .001	mg/l			WG727265	06/20/14 01:05
Chloroethane	< .005	mg/l			WG727265	06/20/14 01:05
Chloroform	< .005	mg/l			WG727265	06/20/14 01:05
Chloromethane	< .0025	mg/l			WG727265	06/20/14 01:05
cis-1,2-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
cis-1,3-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
Di-isopropyl ether	< .001	mg/l			WG727265	06/20/14 01:05
Dibromomethane	< .001	mg/l			WG727265	06/20/14 01:05
Dichlorodifluoromethane	< .005	mg/l			WG727265	06/20/14 01:05
Ethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Hexachloro-1,3-butadiene	< .001	mg/l			WG727265	06/20/14 01:05
Isopropylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Methyl tert-butyl ether	< .001	mg/l			WG727265	06/20/14 01:05
Methylene Chloride	< .005	mg/l			WG727265	06/20/14 01:05
n-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
n-Propylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Naphthalene	< .005	mg/l			WG727265	06/20/14 01:05
p-Isopropyltoluene	< .001	mg/l			WG727265	06/20/14 01:05
sec-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Styrene	< .001	mg/l			WG727265	06/20/14 01:05
tert-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Tetrachloroethene	< .001	mg/l			WG727265	06/20/14 01:05
Toluene	< .005	mg/l			WG727265	06/20/14 01:05
trans-1,2-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
trans-1,3-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
Trichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
Trichlorofluoromethane	< .005	mg/l			WG727265	06/20/14 01:05
Vinyl chloride	< .001	mg/l			WG727265	06/20/14 01:05
Xylenes, Total	< .003	mg/l			WG727265	06/20/14 01:05
4-Bromofluorobenzene		% Rec.	81.50	71-126	WG727265	06/20/14 01:05
Dibromofluoromethane		% Rec.	98.80	78.3-121	WG727265	06/20/14 01:05
Toluene-d8		% Rec.	97.10	88.5-111	WG727265	06/20/14 01:05
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,1-Trichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2-Trichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trichloropropane	< .0025	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727286	06/20/14 12:55
1,2-Dibromoethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,3-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,3-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
1,4-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
2,2-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
2-Butanone (MEK)	< .01	mg/kg			WG727286	06/20/14 12:55
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727286	06/20/14 12:55
2-Chlorotoluene	< .001	mg/kg			WG727286	06/20/14 12:55
4-Chlorotoluene	< .001	mg/kg			WG727286	06/20/14 12:55
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727286	06/20/14 12:55
Acetone	< .05	mg/kg			WG727286	06/20/14 12:55
Acrylonitrile	< .01	mg/kg			WG727286	06/20/14 12:55
Benzene	< .001	mg/kg			WG727286	06/20/14 12:55
Bromobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Bromodichloromethane	< .001	mg/kg			WG727286	06/20/14 12:55
Bromoform	< .001	mg/kg			WG727286	06/20/14 12:55
Bromomethane	< .005	mg/kg			WG727286	06/20/14 12:55
Carbon tetrachloride	< .001	mg/kg			WG727286	06/20/14 12:55
Chlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Chlorodibromomethane	< .001	mg/kg			WG727286	06/20/14 12:55
Chloroethane	< .005	mg/kg			WG727286	06/20/14 12:55
Chloroform	< .005	mg/kg			WG727286	06/20/14 12:55

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Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloromethane	< .0025	mg/kg			WG727286	06/20/14 12:55
cis-1,2-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
cis-1,3-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
Di-isopropyl ether	< .001	mg/kg			WG727286	06/20/14 12:55
Dibromomethane	< .001	mg/kg			WG727286	06/20/14 12:55
Dichlorodifluoromethane	< .005	mg/kg			WG727286	06/20/14 12:55
Ethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727286	06/20/14 12:55
Isopropylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Methyl tert-butyl ether	< .001	mg/kg			WG727286	06/20/14 12:55
Methylene Chloride	< .005	mg/kg			WG727286	06/20/14 12:55
n-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
n-Propylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Naphthalene	< .005	mg/kg			WG727286	06/20/14 12:55
p-Isopropyltoluene	< .001	mg/kg			WG727286	06/20/14 12:55
sec-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Styrene	< .001	mg/kg			WG727286	06/20/14 12:55
tert-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Tetrachloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
Toluene	< .005	mg/kg			WG727286	06/20/14 12:55
trans-1,2-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
trans-1,3-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
Trichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
Trichlorofluoromethane	< .005	mg/kg			WG727286	06/20/14 12:55
Vinyl chloride	< .001	mg/kg			WG727286	06/20/14 12:55
Xylenes, Total	< .003	mg/kg			WG727286	06/20/14 12:55
4-Bromofluorobenzene		% Rec.	102.0	71-126	WG727286	06/20/14 12:55
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG727286	06/20/14 12:55
Toluene-d8		% Rec.	103.0	88.5-111	WG727286	06/20/14 12:55
Acenaphthene	< .033	mg/kg			WG727502	06/21/14 19:46
Acenaphthylene	< .033	mg/kg			WG727502	06/21/14 19:46
Anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(a)anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(a)pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(b)fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(g,h,i)perylene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(k)fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Chrysene	< .033	mg/kg			WG727502	06/21/14 19:46
Dibenz(a,h)anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Fluorene	< .033	mg/kg			WG727502	06/21/14 19:46
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
Naphthalene	< .033	mg/kg			WG727502	06/21/14 19:46
Phenanthrene	< .033	mg/kg			WG727502	06/21/14 19:46
Pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
2-Fluorobiphenyl		% Rec.	75.10	41.4-134	WG727502	06/21/14 19:46
Nitrobenzene-d5		% Rec.	71.30	28.3-148	WG727502	06/21/14 19:46
p-Terphenyl-d14		% Rec.	85.70	35.8-140	WG727502	06/21/14 19:46
Arsenic	< 1	mg/kg			WG727624	06/22/14 02:21
Barium	< .25	mg/kg			WG727624	06/22/14 02:21
Cadmium	< .25	mg/kg			WG727624	06/22/14 02:21
Chromium	< .5	mg/kg			WG727624	06/22/14 02:21
Lead	< .25	mg/kg			WG727624	06/22/14 02:21
Selenium	< 1	mg/kg			WG727624	06/22/14 02:21
Silver	< .5	mg/kg			WG727624	06/22/14 02:21

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,1-Trichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2-Trichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trichloropropane	< .0025	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727846	06/21/14 12:36
1,2-Dibromoethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,3-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,3-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
1,4-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
2,2-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
2-Butanone (MEK)	< .01	mg/kg			WG727846	06/21/14 12:36
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727846	06/21/14 12:36
2-Chlorotoluene	< .001	mg/kg			WG727846	06/21/14 12:36
4-Chlorotoluene	< .001	mg/kg			WG727846	06/21/14 12:36
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727846	06/21/14 12:36
Acetone	< .05	mg/kg			WG727846	06/21/14 12:36
Acrylonitrile	< .01	mg/kg			WG727846	06/21/14 12:36
Benzene	< .001	mg/kg			WG727846	06/21/14 12:36
Bromobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Bromodichloromethane	< .001	mg/kg			WG727846	06/21/14 12:36
Bromoform	< .001	mg/kg			WG727846	06/21/14 12:36
Bromomethane	< .005	mg/kg			WG727846	06/21/14 12:36
Carbon tetrachloride	< .001	mg/kg			WG727846	06/21/14 12:36
Chlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Chlorodibromomethane	< .001	mg/kg			WG727846	06/21/14 12:36
Chloroethane	< .005	mg/kg			WG727846	06/21/14 12:36
Chloroform	< .005	mg/kg			WG727846	06/21/14 12:36
Chloromethane	< .0025	mg/kg			WG727846	06/21/14 12:36
cis-1,2-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
cis-1,3-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
Di-isopropyl ether	< .001	mg/kg			WG727846	06/21/14 12:36
Dibromomethane	< .001	mg/kg			WG727846	06/21/14 12:36
Dichlorodifluoromethane	< .005	mg/kg			WG727846	06/21/14 12:36
Ethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727846	06/21/14 12:36
Isopropylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Methyl tert-butyl ether	< .001	mg/kg			WG727846	06/21/14 12:36
Methylene Chloride	< .005	mg/kg			WG727846	06/21/14 12:36
n-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
n-Propylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Naphthalene	< .005	mg/kg			WG727846	06/21/14 12:36
p-Isopropyltoluene	< .001	mg/kg			WG727846	06/21/14 12:36
sec-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Styrene	< .001	mg/kg			WG727846	06/21/14 12:36
tert-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Tetrachloroethene	< .001	mg/kg			WG727846	06/21/14 12:36

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Level II

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Toluene	< .005	mg/kg			WG727846	06/21/14 12:36
trans-1,2-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
trans-1,3-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
Trichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
Trichlorofluoromethane	< .005	mg/kg			WG727846	06/21/14 12:36
Vinyl chloride	< .001	mg/kg			WG727846	06/21/14 12:36
Xylenes, Total	< .003	mg/kg			WG727846	06/21/14 12:36
4-Bromofluorobenzene		% Rec.	98.20	71-126	WG727846	06/21/14 12:36
Dibromofluoromethane		% Rec.	98.60	78.3-121	WG727846	06/21/14 12:36
Toluene-d8		% Rec.	99.10	88.5-111	WG727846	06/21/14 12:36
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,1-Trichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2-Trichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trichloropropane	< .0025	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727960	06/22/14 22:42
1,2-Dibromoethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,3-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,3-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
1,4-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
2,2-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
2-Butanone (MEK)	< .01	mg/kg			WG727960	06/22/14 22:42
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727960	06/22/14 22:42
2-Chlorotoluene	< .001	mg/kg			WG727960	06/22/14 22:42
4-Chlorotoluene	< .001	mg/kg			WG727960	06/22/14 22:42
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727960	06/22/14 22:42
Acetone	< .05	mg/kg			WG727960	06/22/14 22:42
Acrylonitrile	< .01	mg/kg			WG727960	06/22/14 22:42
Benzene	< .001	mg/kg			WG727960	06/22/14 22:42
Bromobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Bromodichloromethane	< .001	mg/kg			WG727960	06/22/14 22:42
Bromoform	< .001	mg/kg			WG727960	06/22/14 22:42
Bromomethane	< .005	mg/kg			WG727960	06/22/14 22:42
Carbon tetrachloride	< .001	mg/kg			WG727960	06/22/14 22:42
Chlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Chlorodibromomethane	< .001	mg/kg			WG727960	06/22/14 22:42
Chloroethane	< .005	mg/kg			WG727960	06/22/14 22:42
Chloroform	< .005	mg/kg			WG727960	06/22/14 22:42
Chloromethane	< .0025	mg/kg			WG727960	06/22/14 22:42
cis-1,2-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
cis-1,3-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
Di-isopropyl ether	< .001	mg/kg			WG727960	06/22/14 22:42
Dibromomethane	< .001	mg/kg			WG727960	06/22/14 22:42
Dichlorodifluoromethane	< .005	mg/kg			WG727960	06/22/14 22:42
Ethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727960	06/22/14 22:42
Isopropylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Methyl tert-butyl ether	< .001	mg/kg			WG727960	06/22/14 22:42
Methylene Chloride	< .005	mg/kg			WG727960	06/22/14 22:42
n-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
n-Propylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Naphthalene	< .005	mg/kg			WG727960	06/22/14 22:42
p-Isopropyltoluene	< .001	mg/kg			WG727960	06/22/14 22:42
sec-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Styrene	< .001	mg/kg			WG727960	06/22/14 22:42
tert-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Tetrachloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
Toluene	< .005	mg/kg			WG727960	06/22/14 22:42
trans-1,2-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
trans-1,3-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
Trichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
Trichlorofluoromethane	< .005	mg/kg			WG727960	06/22/14 22:42
Vinyl chloride	< .001	mg/kg			WG727960	06/22/14 22:42
Xylenes, Total	< .003	mg/kg			WG727960	06/22/14 22:42
4-Bromofluorobenzene		% Rec.	103.0	71-126	WG727960	06/22/14 22:42
Dibromofluoromethane		% Rec.	99.20	78.3-121	WG727960	06/22/14 22:42
Toluene-d8		% Rec.	103.0	88.5-111	WG727960	06/22/14 22:42
Acenaphthene	< .033	mg/kg			WG727937	06/23/14 08:51
Acenaphthylene	< .033	mg/kg			WG727937	06/23/14 08:51
Anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(a)anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(a)pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(b)fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(g,h,i)perylene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(k)fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Chrysene	< .033	mg/kg			WG727937	06/23/14 08:51
Dibenz(a,h)anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Fluorene	< .033	mg/kg			WG727937	06/23/14 08:51
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
Naphthalene	< .033	mg/kg			WG727937	06/23/14 08:51
Phenanthrene	< .033	mg/kg			WG727937	06/23/14 08:51
Pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
2-Fluorobiphenyl		% Rec.	91.00	41.4-134	WG727937	06/23/14 08:51
Nitrobenzene-d5		% Rec.	124.0	28.3-148	WG727937	06/23/14 08:51
p-Terphenyl-d14		% Rec.	93.30	35.8-140	WG727937	06/23/14 08:51
PCB 1016	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1221	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1232	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1242	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1248	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1254	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1260	< .017	mg/kg			WG727931	06/23/14 09:54
Decachlorobiphenyl		% Rec.	75.20	10-145	WG727931	06/23/14 09:54
Tetrachloro-m-xylene		% Rec.	92.60	21.1-148	WG727931	06/23/14 09:54
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,1-Trichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727287	06/21/14 00:28

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Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,2-Trichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trichloropropane	< .0025	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727287	06/21/14 00:28
1,2-Dibromoethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,3-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,3-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
1,4-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
2,2-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
2-Butanone (MEK)	< .01	mg/kg			WG727287	06/21/14 00:28
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727287	06/21/14 00:28
2-Chlorotoluene	< .001	mg/kg			WG727287	06/21/14 00:28
4-Chlorotoluene	< .001	mg/kg			WG727287	06/21/14 00:28
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727287	06/21/14 00:28
Acetone	< .05	mg/kg			WG727287	06/21/14 00:28
Acrylonitrile	< .01	mg/kg			WG727287	06/21/14 00:28
Benzene	< .001	mg/kg			WG727287	06/21/14 00:28
Bromobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Bromodichloromethane	< .001	mg/kg			WG727287	06/21/14 00:28
Bromoform	< .001	mg/kg			WG727287	06/21/14 00:28
Bromomethane	< .005	mg/kg			WG727287	06/21/14 00:28
Carbon tetrachloride	< .001	mg/kg			WG727287	06/21/14 00:28
Chlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Chlorodibromomethane	< .001	mg/kg			WG727287	06/21/14 00:28
Chloroethane	< .005	mg/kg			WG727287	06/21/14 00:28
Chloroform	< .005	mg/kg			WG727287	06/21/14 00:28
Chloromethane	< .0025	mg/kg			WG727287	06/21/14 00:28
cis-1,2-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
cis-1,3-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28
Di-isopropyl ether	< .001	mg/kg			WG727287	06/21/14 00:28
Dibromomethane	< .001	mg/kg			WG727287	06/21/14 00:28
Dichlorodifluoromethane	< .005	mg/kg			WG727287	06/21/14 00:28
Ethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727287	06/21/14 00:28
Isopropylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Methyl tert-butyl ether	< .001	mg/kg			WG727287	06/21/14 00:28
Methylene Chloride	< .005	mg/kg			WG727287	06/21/14 00:28
n-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
n-Propylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Naphthalene	< .005	mg/kg			WG727287	06/21/14 00:28
p-Isopropyltoluene	< .001	mg/kg			WG727287	06/21/14 00:28
sec-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Styrene	< .001	mg/kg			WG727287	06/21/14 00:28
tert-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Tetrachloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
Toluene	< .005	mg/kg			WG727287	06/21/14 00:28
trans-1,2-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
trans-1,3-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Trichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
Trichlorofluoromethane	< .005	mg/kg			WG727287	06/21/14 00:28
Vinyl chloride	< .001	mg/kg			WG727287	06/21/14 00:28
Xylenes, Total	< .003	mg/kg			WG727287	06/21/14 00:28
4-Bromofluorobenzene		% Rec.	97.00	71-126	WG727287	06/21/14 00:28
Dibromofluoromethane		% Rec.	92.30	78.3-121	WG727287	06/21/14 00:28
Toluene-d8		% Rec.	105.0	88.5-111	WG727287	06/21/14 00:28
Arsenic	< 1	mg/kg			WG727715	06/23/14 13:02
Barium	< .25	mg/kg			WG727715	06/23/14 13:02
Cadmium	< .25	mg/kg			WG727715	06/23/14 13:02
Chromium	< .5	mg/kg			WG727715	06/23/14 13:02
Lead	< .25	mg/kg			WG727715	06/23/14 13:02
Selenium	< 1	mg/kg			WG727715	06/23/14 13:02
Silver	< .5	mg/kg			WG727715	06/23/14 13:02
Lead	< .25	mg/kg			WG727984	06/23/14 20:45
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG727821	06/24/14 01:15
o-Terphenyl		% Rec.	72.00	50-150	WG727821	06/24/14 01:15
Acenaphthene	< .033	mg/kg			WG728031	06/24/14 10:52
Acenaphthylene	< .033	mg/kg			WG728031	06/24/14 10:52
Anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(a)anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(a)pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(b)fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(g,h,i)perylene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(k)fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Chrysene	< .033	mg/kg			WG728031	06/24/14 10:52
Dibenz(a,h)anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Fluorene	< .033	mg/kg			WG728031	06/24/14 10:52
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
Naphthalene	< .033	mg/kg			WG728031	06/24/14 10:52
Phenanthrene	< .033	mg/kg			WG728031	06/24/14 10:52
Pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
2-Fluorobiphenyl		% Rec.	81.10	41.4-134	WG728031	06/24/14 10:52
Nitrobenzene-d5		% Rec.	83.90	28.3-148	WG728031	06/24/14 10:52
p-Terphenyl-d14		% Rec.	94.30	35.8-140	WG728031	06/24/14 10:52
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,1-Trichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2-Trichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trichloropropane	< .0025	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,4-Trichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,4-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG728250	06/24/14 14:12
1,2-Dibromoethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
1,3,5-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,3-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,3-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
1,4-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
2,2-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
2-Butanone (MEK)	< .01	mg/kg			WG728250	06/24/14 14:12
2-Chloroethyl vinyl ether	< .05	mg/kg			WG728250	06/24/14 14:12
2-Chlorotoluene	< .001	mg/kg			WG728250	06/24/14 14:12
4-Chlorotoluene	< .001	mg/kg			WG728250	06/24/14 14:12
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG728250	06/24/14 14:12
Acetone	< .05	mg/kg			WG728250	06/24/14 14:12
Acrylonitrile	< .01	mg/kg			WG728250	06/24/14 14:12
Benzene	< .001	mg/kg			WG728250	06/24/14 14:12
Bromobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Bromodichloromethane	< .001	mg/kg			WG728250	06/24/14 14:12
Bromoform	< .001	mg/kg			WG728250	06/24/14 14:12
Bromomethane	< .005	mg/kg			WG728250	06/24/14 14:12
Carbon tetrachloride	< .001	mg/kg			WG728250	06/24/14 14:12
Chlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Chlorodibromomethane	< .001	mg/kg			WG728250	06/24/14 14:12
Chloroethane	< .005	mg/kg			WG728250	06/24/14 14:12
Chloroform	< .005	mg/kg			WG728250	06/24/14 14:12
Chloromethane	< .0025	mg/kg			WG728250	06/24/14 14:12
cis-1,2-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
cis-1,3-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
Di-isopropyl ether	< .001	mg/kg			WG728250	06/24/14 14:12
Dibromomethane	< .001	mg/kg			WG728250	06/24/14 14:12
Dichlorodifluoromethane	< .005	mg/kg			WG728250	06/24/14 14:12
Ethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Hexachloro-1,3-butadiene	< .001	mg/kg			WG728250	06/24/14 14:12
Isopropylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Methyl tert-butyl ether	< .001	mg/kg			WG728250	06/24/14 14:12
Methylene Chloride	< .005	mg/kg			WG728250	06/24/14 14:12
n-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
n-Propylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Naphthalene	< .005	mg/kg			WG728250	06/24/14 14:12
p-Isopropyltoluene	< .001	mg/kg			WG728250	06/24/14 14:12
sec-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Styrene	< .001	mg/kg			WG728250	06/24/14 14:12
tert-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Tetrachloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
Toluene	< .005	mg/kg			WG728250	06/24/14 14:12
trans-1,2-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
trans-1,3-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
Trichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
Trichlorofluoromethane	< .005	mg/kg			WG728250	06/24/14 14:12
Vinyl chloride	< .001	mg/kg			WG728250	06/24/14 14:12
Xylenes, Total	< .003	mg/kg			WG728250	06/24/14 14:12
4-Bromofluorobenzene		% Rec.	92.20	71-126	WG728250	06/24/14 14:12
Dibromofluoromethane		% Rec.	93.80	78.3-121	WG728250	06/24/14 14:12
Toluene-d8		% Rec.	95.80	88.5-111	WG728250	06/24/14 14:12
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG727346	06/24/14 12:12

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L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
a,a,a-Trifluorotoluene(FID)		% Rec.	95.30	50-150		06/24/14 12:12
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,1-Trichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2-Trichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trichloropropane	< .0025	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727848	06/25/14 00:29
1,2-Dibromoethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,3-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,3-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
1,4-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
2,2-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
2-Butanone (MEK)	< .01	mg/kg			WG727848	06/25/14 00:29
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727848	06/25/14 00:29
2-Chlorotoluene	< .001	mg/kg			WG727848	06/25/14 00:29
4-Chlorotoluene	< .001	mg/kg			WG727848	06/25/14 00:29
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727848	06/25/14 00:29
Acetone	< .05	mg/kg			WG727848	06/25/14 00:29
Acrylonitrile	< .01	mg/kg			WG727848	06/25/14 00:29
Benzene	< .001	mg/kg			WG727848	06/25/14 00:29
Bromobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Bromodichloromethane	< .001	mg/kg			WG727848	06/25/14 00:29
Bromoform	< .001	mg/kg			WG727848	06/25/14 00:29
Bromomethane	< .005	mg/kg			WG727848	06/25/14 00:29
Carbon tetrachloride	< .001	mg/kg			WG727848	06/25/14 00:29
Chlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Chlorodibromomethane	< .001	mg/kg			WG727848	06/25/14 00:29
Chloroethane	< .005	mg/kg			WG727848	06/25/14 00:29
Chloroform	< .005	mg/kg			WG727848	06/25/14 00:29
Chloromethane	< .0025	mg/kg			WG727848	06/25/14 00:29
cis-1,2-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
cis-1,3-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
Di-isopropyl ether	< .001	mg/kg			WG727848	06/25/14 00:29
Dibromomethane	< .001	mg/kg			WG727848	06/25/14 00:29
Dichlorodifluoromethane	< .005	mg/kg			WG727848	06/25/14 00:29
Ethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727848	06/25/14 00:29
Isopropylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Methyl tert-butyl ether	< .001	mg/kg			WG727848	06/25/14 00:29
Methylene Chloride	< .005	mg/kg			WG727848	06/25/14 00:29
n-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
n-Propylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Naphthalene	< .005	mg/kg			WG727848	06/25/14 00:29
p-Isopropyltoluene	< .001	mg/kg			WG727848	06/25/14 00:29
sec-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Styrene	< .001	mg/kg			WG727848	06/25/14 00:29
tert-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29

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Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
Toluene	< .005	mg/kg			WG727848	06/25/14 00:29
trans-1,2-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
trans-1,3-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
Trichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
Trichlorofluoromethane	< .005	mg/kg			WG727848	06/25/14 00:29
Vinyl chloride	< .001	mg/kg			WG727848	06/25/14 00:29
Xylenes, Total	< .003	mg/kg			WG727848	06/25/14 00:29
4-Bromofluorobenzene		% Rec.	94.70	71-126	WG727848	06/25/14 00:29
Dibromofluoromethane		% Rec.	86.70	78.3-121	WG727848	06/25/14 00:29
Toluene-d8		% Rec.	94.90	88.5-111	WG727848	06/25/14 00:29
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG728024	06/24/14 23:55
o-Terphenyl		% Rec.	86.70	50-150	WG728024	06/24/14 23:55
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG727349	06/25/14 03:50
a,a,a-Trifluorotoluene(FID)		% Rec.	100.0	50-150	WG727349	06/25/14 03:50
PCB 1016	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1221	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1232	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1242	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1248	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1254	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1260	< .017	mg/kg			WG728030	06/25/14 10:29
Decachlorobiphenyl		% Rec.	57.70	10-145	WG728030	06/25/14 10:29
Tetrachloro-m-xylene		% Rec.	83.20	21.1-148	WG728030	06/25/14 10:29
Acenaphthene	< .033	mg/kg			WG728071	06/25/14 08:54
Acenaphthylene	< .033	mg/kg			WG728071	06/25/14 08:54
Anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(a)anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(a)pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(b)fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(g,h,i)perylene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(k)fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Chrysene	< .033	mg/kg			WG728071	06/25/14 08:54
Dibenz(a,h)anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Fluorene	< .033	mg/kg			WG728071	06/25/14 08:54
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
Naphthalene	< .033	mg/kg			WG728071	06/25/14 08:54
Phenanthrene	< .033	mg/kg			WG728071	06/25/14 08:54
Pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
2-Fluorobiphenyl		% Rec.	92.50	41.4-134	WG728071	06/25/14 08:54
Nitrobenzene-d5		% Rec.	87.30	28.3-148	WG728071	06/25/14 08:54
p-Terphenyl-d14		% Rec.	117.0	35.8-140	WG728071	06/25/14 08:54
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG728614	06/25/14 22:11
a,a,a-Trifluorotoluene(FID)		% Rec.	80.90	50-150	WG728614	06/25/14 22:11
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG728761	06/26/14 13:20
a,a,a-Trifluorotoluene(FID)		% Rec.	99.00	50-150	WG728761	06/26/14 13:20

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Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG728630	06/27/14 17:33
o-Terphenyl		% Rec.	102.0	50-150	WG728630	06/27/14 17:33
Arsenic	< 1	mg/kg			WG730928	07/10/14 23:38

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/kg	0.0520	0.180	111.*	20	L705224-01	WG727143
Mercury	mg/kg	0.0220	0.0334	40.0*	20	L705269-02	WG727205

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/kg	12.4	10.4	84.0	71.6-128	WG727143
Mercury	mg/kg	12.4	14.2	114.	71.6-128	WG727205
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0278	111.	74.2-124	WG727265
1,1,1-Trichloroethane	mg/l	.025	0.0212	84.9	73.2-123	WG727265
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0241	96.3	70.7-122	WG727265
1,1,2-Trichloroethane	mg/l	.025	0.0259	104.	77.7-118	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0247	98.8	67.2-143	WG727265
1,1-Dichloroethane	mg/l	.025	0.0227	90.6	70.7-126	WG727265
1,1-Dichloroethene	mg/l	.025	0.0262	105.	67.8-129	WG727265
1,1-Dichloropropene	mg/l	.025	0.0207	82.9	73.1-125	WG727265
1,2,3-Trichlorobenzene	mg/l	.025	0.0264	105.	64.9-135	WG727265
1,2,3-Trichloropropane	mg/l	.025	0.0248	99.1	71.8-121	WG727265
1,2,3-Trimethylbenzene	mg/l	.025	0.0194	77.6	72.3-116	WG727265
1,2,4-Trichlorobenzene	mg/l	.025	0.0244	97.6	69.7-136	WG727265
1,2,4-Trimethylbenzene	mg/l	.025	0.0241	96.5	75-123	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0264	105.	65.4-128	WG727265
1,2-Dibromoethane	mg/l	.025	0.0262	105.	76.6-121	WG727265
1,2-Dichlorobenzene	mg/l	.025	0.0239	95.5	78.4-117	WG727265
1,2-Dichloroethane	mg/l	.025	0.0185	74.1	68.8-124	WG727265
1,2-Dichloropropane	mg/l	.025	0.0219	87.7	76.5-119	WG727265
1,3,5-Trimethylbenzene	mg/l	.025	0.0250	100.	75.6-124	WG727265
1,3-Dichlorobenzene	mg/l	.025	0.0267	107.	70.8-128	WG727265
1,3-Dichloropropane	mg/l	.025	0.0235	94.0	77.4-117	WG727265
1,4-Dichlorobenzene	mg/l	.025	0.0235	94.0	78.8-115	WG727265
2,2-Dichloropropane	mg/l	.025	0.0226	90.4	62.4-133	WG727265
2-Butanone (MEK)	mg/l	.125	0.0890	71.2	55-149	WG727265
2-Chloroethyl vinyl ether	mg/l	.125	0.0759	60.8	43.8-150	WG727265
2-Chlorotoluene	mg/l	.025	0.0268	107.	74.7-122	WG727265
4-Chlorotoluene	mg/l	.025	0.0225	90.1	77.5-120	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.116	92.5	70.5-133	WG727265
Acetone	mg/l	.125	0.103	82.4	35.6-163	WG727265
Acrolein	mg/l	.125	0.0798	63.8	10-190	WG727265
Acrylonitrile	mg/l	.125	0.113	90.1	55.2-130	WG727265
Benzene	mg/l	.025	0.0200	80.2	74.8-121	WG727265
Bromobenzene	mg/l	.025	0.0224	89.6	77.5-116	WG727265
Bromodichloromethane	mg/l	.025	0.0220	88.1	75.1-116	WG727265
Bromoform	mg/l	.025	0.0305	122.	67.5-130	WG727265
Bromomethane	mg/l	.025	0.0283	113.	49.9-162	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Carbon tetrachloride	mg/l	.025	0.0216	86.2	70.2-123	WG727265
Chlorobenzene	mg/l	.025	0.0259	103.	78.1-119	WG727265
Chlorodibromomethane	mg/l	.025	0.0274	110.	74-121	WG727265
Chloroethane	mg/l	.025	0.0269	108.	61.7-135	WG727265
Chloroform	mg/l	.025	0.0206	82.3	76-121	WG727265
Chloromethane	mg/l	.025	0.0216	86.4	61.5-129	WG727265
cis-1,2-Dichloroethene	mg/l	.025	0.0223	89.2	76-119	WG727265
cis-1,3-Dichloropropene	mg/l	.025	0.0252	101.	78.2-120	WG727265
Di-isopropyl ether	mg/l	.025	0.0235	94.0	65.6-132	WG727265
Dibromomethane	mg/l	.025	0.0230	92.1	79.5-118	WG727265
Dichlorodifluoromethane	mg/l	.025	0.0189	75.6	54.8-135	WG727265
Ethylbenzene	mg/l	.025	0.0258	103.	78.8-122	WG727265
Hexachloro-1,3-butadiene	mg/l	.025	0.0242	96.8	64.7-129	WG727265
Isopropylbenzene	mg/l	.025	0.0275	110.	78.6-132	WG727265
Methyl tert-butyl ether	mg/l	.025	0.0212	84.6	71.2-126	WG727265
Methylene Chloride	mg/l	.025	0.0237	94.9	70.3-120	WG727265
n-Butylbenzene	mg/l	.025	0.0206	82.4	76.2-126	WG727265
n-Propylbenzene	mg/l	.025	0.0237	94.7	78.2-122	WG727265
Naphthalene	mg/l	.025	0.0243	97.4	68.4-128	WG727265
p-Isopropyltoluene	mg/l	.025	0.0265	106.	74-131	WG727265
sec-Butylbenzene	mg/l	.025	0.0256	103.	74.4-127	WG727265
Styrene	mg/l	.025	0.0267	107.	80.4-126	WG727265
tert-Butylbenzene	mg/l	.025	0.0255	102.	75.3-126	WG727265
Tetrachloroethene	mg/l	.025	0.0285	114.	72.6-126	WG727265
Toluene	mg/l	.025	0.0232	92.7	79.7-116	WG727265
trans-1,2-Dichloroethene	mg/l	.025	0.0235	94.0	72.6-121	WG727265
trans-1,3-Dichloropropene	mg/l	.025	0.0262	105.	74.3-123	WG727265
Trichloroethene	mg/l	.025	0.0250	100.	77.7-118	WG727265
Trichlorofluoromethane	mg/l	.025	0.0267	107.	63.5-135	WG727265
Vinyl chloride	mg/l	.025	0.0228	91.3	65.9-128	WG727265
Xylenes, Total	mg/l	.075	0.0761	101.	78.7-121	WG727265
4-Bromofluorobenzene				91.10	71-126	WG727265
Dibromofluoromethane				88.80	78.3-121	WG727265
Toluene-d8				97.40	88.5-111	WG727265
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0261	105.	72.9-124	WG727286
1,1,1-Trichloroethane	mg/kg	.025	0.0298	119.	73.7-124	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0264	106.	69.4-122	WG727286
1,1,2-Trichloroethane	mg/kg	.025	0.0272	109.	79.1-118	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0341	137.	70-146	WG727286
1,1-Dichloroethane	mg/kg	.025	0.0291	116.	75-124	WG727286
1,1-Dichloroethene	mg/kg	.025	0.0305	122.	70.4-129	WG727286
1,1-Dichloropropene	mg/kg	.025	0.0301	121.	74.9-124	WG727286
1,2,3-Trichlorobenzene	mg/kg	.025	0.0274	110.	69.3-131	WG727286
1,2,3-Trichloropropane	mg/kg	.025	0.0247	98.8	71.4-123	WG727286
1,2,3-Trimethylbenzene	mg/kg	.025	0.0282	113.	73.6-113	WG727286
1,2,4-Trichlorobenzene	mg/kg	.025	0.0273	109.	71.9-137	WG727286
1,2,4-Trimethylbenzene	mg/kg	.025	0.0265	106.	75.5-122	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0260	104.	62.8-133	WG727286
1,2-Dibromoethane	mg/kg	.025	0.0263	105.	78.6-120	WG727286
1,2-Dichlorobenzene	mg/kg	.025	0.0289	116.	78.3-118	WG727286
1,2-Dichloroethane	mg/kg	.025	0.0276	110.	70.1-124	WG727286
1,2-Dichloropropane	mg/kg	.025	0.0292	117.	77.9-119	WG727286
1,3,5-Trimethylbenzene	mg/kg	.025	0.0290	116.	75.9-124	WG727286
1,3-Dichlorobenzene	mg/kg	.025	0.0275	110.	72-126	WG727286
1,3-Dichloropropane	mg/kg	.025	0.0248	99.1	79.1-117	WG727286
1,4-Dichlorobenzene	mg/kg	.025	0.0274	110.	78.3-117	WG727286
2,2-Dichloropropane	mg/kg	.025	0.0302	121.	61.3-136	WG727286

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Butanone (MEK)	mg/kg	.125	0.106	85.1	53.7-153	WG727286
2-Chloroethyl vinyl ether	mg/kg	.125	0.136	109.	37.7-157	WG727286
2-Chlorotoluene	mg/kg	.025	0.0291	116.	75.6-121	WG727286
4-Chlorotoluene	mg/kg	.025	0.0275	110.	77.3-120	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.126	101.	70.4-137	WG727286
Acetone	mg/kg	.125	0.112	89.2	35.1-175	WG727286
Acrylonitrile	mg/kg	.125	0.128	103.	56.4-128	WG727286
Benzene	mg/kg	.025	0.0279	111.	77.1-121	WG727286
Bromobenzene	mg/kg	.025	0.0258	103.	78.2-115	WG727286
Bromodichloromethane	mg/kg	.025	0.0271	109.	74.9-115	WG727286
Bromoform	mg/kg	.025	0.0252	101.	65.9-132	WG727286
Bromomethane	mg/kg	.025	0.0257	103.	48.7-165	WG727286
Carbon tetrachloride	mg/kg	.025	0.0313	125.*	70-124	WG727286
Chlorobenzene	mg/kg	.025	0.0275	110.	79.1-119	WG727286
Chlorodibromomethane	mg/kg	.025	0.0264	105.	73.5-121	WG727286
Chloroethane	mg/kg	.025	0.0273	109.	66.2-132	WG727286
Chloroform	mg/kg	.025	0.0272	109.	76.7-122	WG727286
Chloromethane	mg/kg	.025	0.0266	106.	63.4-131	WG727286
cis-1,2-Dichloroethene	mg/kg	.025	0.0284	114.	78.2-119	WG727286
cis-1,3-Dichloropropene	mg/kg	.025	0.0283	113.	79.6-120	WG727286
Di-isopropyl ether	mg/kg	.025	0.0285	114.	70.4-133	WG727286
Dibromomethane	mg/kg	.025	0.0284	114.	79.4-120	WG727286
Dichlorodifluoromethane	mg/kg	.025	0.0280	112.	57.1-137	WG727286
Ethylbenzene	mg/kg	.025	0.0268	107.	79.7-122	WG727286
Hexachloro-1,3-butadiene	mg/kg	.025	0.0301	121.	68.2-123	WG727286
Isopropylbenzene	mg/kg	.025	0.0281	112.	80-135	WG727286
Methyl tert-butyl ether	mg/kg	.025	0.0265	106.	73-129	WG727286
Methylene Chloride	mg/kg	.025	0.0270	108.	72.6-120	WG727286
n-Butylbenzene	mg/kg	.025	0.0303	121.	77.5-126	WG727286
n-Propylbenzene	mg/kg	.025	0.0286	115.	77.9-123	WG727286
Naphthalene	mg/kg	.025	0.0253	101.	69.8-128	WG727286
p-Isopropyltoluene	mg/kg	.025	0.0284	113.	75.8-129	WG727286
sec-Butylbenzene	mg/kg	.025	0.0286	115.	75.8-126	WG727286
Styrene	mg/kg	.025	0.0272	109.	82.4-126	WG727286
tert-Butylbenzene	mg/kg	.025	0.0288	115.	76.4-126	WG727286
Tetrachloroethene	mg/kg	.025	0.0290	116.	73.9-125	WG727286
Toluene	mg/kg	.025	0.0282	113.	79.7-118	WG727286
trans-1,2-Dichloroethene	mg/kg	.025	0.0301	121.	73.8-122	WG727286
trans-1,3-Dichloropropene	mg/kg	.025	0.0278	111.	75.9-124	WG727286
Trichloroethene	mg/kg	.025	0.0294	118.	77.9-118	WG727286
Trichlorofluoromethane	mg/kg	.025	0.0289	116.	67.7-131	WG727286
Vinyl chloride	mg/kg	.025	0.0272	109.	66.7-130	WG727286
Xylenes, Total	mg/kg	.075	0.0799	107.	78.8-121	WG727286
4-Bromofluorobenzene				97.80	71-126	WG727286
Dibromofluoromethane				101.0	78.3-121	WG727286
Toluene-d8				101.0	88.5-111	WG727286
Acenaphthene	mg/kg	.4	0.331	82.9	50.7-125	WG727502
Acenaphthylene	mg/kg	.4	0.317	79.2	51.3-126	WG727502
Anthracene	mg/kg	.4	0.343	85.7	50.5-130	WG727502
Benzo(a)anthracene	mg/kg	.4	0.323	80.6	54.1-127	WG727502
Benzo(a)pyrene	mg/kg	.4	0.316	79.0	54.8-127	WG727502
Benzo(b)fluoranthene	mg/kg	.4	0.304	76.0	56.1-125	WG727502
Benzo(g,h,i)perylene	mg/kg	.4	0.312	78.0	53.3-132	WG727502
Benzo(k)fluoranthene	mg/kg	.4	0.325	81.2	50.9-129	WG727502
Chrysene	mg/kg	.4	0.311	77.8	55.3-126	WG727502
Dibenz(a,h)anthracene	mg/kg	.4	0.331	82.8	52.3-133	WG727502
Fluoranthene	mg/kg	.4	0.326	81.5	50.1-135	WG727502

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Fluorene	mg/kg	.4	0.325	81.1	52.3-125	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.324	80.9	50.1-135	WG727502
Naphthalene	mg/kg	.4	0.304	76.0	47.8-121	WG727502
Phenanthrene	mg/kg	.4	0.356	89.1	56-122	WG727502
Pyrene	mg/kg	.4	0.364	91.1	55.6-129	WG727502
2-Fluorobiphenyl				76.80	41.4-134	WG727502
Nitrobenzene-d5				72.20	28.3-148	WG727502
p-Terphenyl-d14				90.50	35.8-140	WG727502
Arsenic	mg/kg	237	227.	96.0	83.1-117	WG727624
Barium	mg/kg	252	246.	98.0	84.1-116	WG727624
Cadmium	mg/kg	191	169.	88.0	83.2-117	WG727624
Chromium	mg/kg	128	120.	93.0	81.3-118	WG727624
Lead	mg/kg	103	93.6	91.0	83.1-117	WG727624
Selenium	mg/kg	110	106.	97.0	78.7-122	WG727624
Silver	mg/kg	47.3	45.3	96.0	66.2-134	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0252	101.	72.9-124	WG727846
1,1,1-Trichloroethane	mg/kg	.025	0.0239	95.8	73.7-124	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0303	121.	69.4-122	WG727846
1,1,2-Trichloroethane	mg/kg	.025	0.0267	107.	79.1-118	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0239	95.4	70-146	WG727846
1,1-Dichloroethane	mg/kg	.025	0.0240	96.0	75-124	WG727846
1,1-Dichloroethene	mg/kg	.025	0.0207	83.0	70.4-129	WG727846
1,1-Dichloropropene	mg/kg	.025	0.0232	92.6	74.9-124	WG727846
1,2,3-Trichlorobenzene	mg/kg	.025	0.0255	102.	69.3-131	WG727846
1,2,3-Trichloropropane	mg/kg	.025	0.0289	116.	71.4-123	WG727846
1,2,3-Trimethylbenzene	mg/kg	.025	0.0239	95.7	73.6-113	WG727846
1,2,4-Trichlorobenzene	mg/kg	.025	0.0244	97.5	71.9-137	WG727846
1,2,4-Trimethylbenzene	mg/kg	.025	0.0250	100.	75.5-122	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0312	125.	62.8-133	WG727846
1,2-Dibromoethane	mg/kg	.025	0.0275	110.	78.6-120	WG727846
1,2-Dichlorobenzene	mg/kg	.025	0.0256	102.	78.3-118	WG727846
1,2-Dichloroethane	mg/kg	.025	0.0237	94.8	70.1-124	WG727846
1,2-Dichloropropane	mg/kg	.025	0.0230	91.9	77.9-119	WG727846
1,3,5-Trimethylbenzene	mg/kg	.025	0.0247	98.9	75.9-124	WG727846
1,3-Dichlorobenzene	mg/kg	.025	0.0250	100.	72-126	WG727846
1,3-Dichloropropane	mg/kg	.025	0.0252	101.	79.1-117	WG727846
1,4-Dichlorobenzene	mg/kg	.025	0.0242	96.7	78.3-117	WG727846
2,2-Dichloropropane	mg/kg	.025	0.0213	85.2	61.3-136	WG727846
2-Butanone (MEK)	mg/kg	.125	0.126	101.	53.7-153	WG727846
2-Chloroethyl vinyl ether	mg/kg	.125	0.119	95.6	37.7-157	WG727846
2-Chlorotoluene	mg/kg	.025	0.0215	86.1	75.6-121	WG727846
4-Chlorotoluene	mg/kg	.025	0.0247	98.8	77.3-120	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.148	119.	70.4-137	WG727846
Acetone	mg/kg	.125	0.122	97.9	35.1-175	WG727846
Acrylonitrile	mg/kg	.125	0.141	113.	56.4-128	WG727846
Benzene	mg/kg	.025	0.0236	94.3	77.1-121	WG727846
Bromobenzene	mg/kg	.025	0.0240	95.9	78.2-115	WG727846
Bromodichloromethane	mg/kg	.025	0.0249	99.6	74.9-115	WG727846
Bromoform	mg/kg	.025	0.0283	113.	65.9-132	WG727846
Bromomethane	mg/kg	.025	0.0205	81.9	48.7-165	WG727846
Carbon tetrachloride	mg/kg	.025	0.0260	104.	70-124	WG727846
Chlorobenzene	mg/kg	.025	0.0250	100.	79.1-119	WG727846
Chlorodibromomethane	mg/kg	.025	0.0264	106.	73.5-121	WG727846
Chloroethane	mg/kg	.025	0.0192	77.0	66.2-132	WG727846
Chloroform	mg/kg	.025	0.0246	98.5	76.7-122	WG727846

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chloromethane	mg/kg	.025	0.0180	72.2	63.4-131	WG727846
cis-1,2-Dichloroethene	mg/kg	.025	0.0252	101.	78.2-119	WG727846
cis-1,3-Dichloropropene	mg/kg	.025	0.0250	100.	79.6-120	WG727846
Di-isopropyl ether	mg/kg	.025	0.0229	91.8	70.4-133	WG727846
Dibromomethane	mg/kg	.025	0.0266	106.	79.4-120	WG727846
Dichlorodifluoromethane	mg/kg	.025	0.0198	79.3	57.1-137	WG727846
Ethylbenzene	mg/kg	.025	0.0247	98.8	79.7-122	WG727846
Hexachloro-1,3-butadiene	mg/kg	.025	0.0232	92.6	68.2-123	WG727846
Isopropylbenzene	mg/kg	.025	0.0247	99.0	80-135	WG727846
Methyl tert-butyl ether	mg/kg	.025	0.0253	101.	73-129	WG727846
Methylene Chloride	mg/kg	.025	0.0242	96.9	72.6-120	WG727846
n-Butylbenzene	mg/kg	.025	0.0244	97.5	77.5-126	WG727846
n-Propylbenzene	mg/kg	.025	0.0246	98.4	77.9-123	WG727846
Naphthalene	mg/kg	.025	0.0273	109.	69.8-128	WG727846
p-Isopropyltoluene	mg/kg	.025	0.0247	98.6	75.8-129	WG727846
sec-Butylbenzene	mg/kg	.025	0.0249	99.5	75.8-126	WG727846
Styrene	mg/kg	.025	0.0242	96.7	82.4-126	WG727846
tert-Butylbenzene	mg/kg	.025	0.0250	100.	76.4-126	WG727846
Tetrachloroethene	mg/kg	.025	0.0231	92.3	73.9-125	WG727846
Toluene	mg/kg	.025	0.0236	94.4	79.7-118	WG727846
trans-1,2-Dichloroethene	mg/kg	.025	0.0235	94.1	73.8-122	WG727846
trans-1,3-Dichloropropene	mg/kg	.025	0.0259	103.	75.9-124	WG727846
Trichloroethene	mg/kg	.025	0.0241	96.5	77.9-118	WG727846
Trichlorofluoromethane	mg/kg	.025	0.0222	89.0	67.7-131	WG727846
Vinyl chloride	mg/kg	.025	0.0186	74.5	66.7-130	WG727846
Xylenes, Total	mg/kg	.075	0.0735	98.0	78.8-121	WG727846
4-Bromofluorobenzene				97.10	71-126	WG727846
Dibromofluoromethane				99.70	78.3-121	WG727846
Toluene-d8				97.10	88.5-111	WG727846
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	72.9-124	WG727960
1,1,1-Trichloroethane	mg/kg	.025	0.0294	117.	73.7-124	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	69.4-122	WG727960
1,1,2-Trichloroethane	mg/kg	.025	0.0255	102.	79.1-118	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0327	131.	70-146	WG727960
1,1-Dichloroethane	mg/kg	.025	0.0301	120.	75-124	WG727960
1,1-Dichloroethene	mg/kg	.025	0.0297	119.	70.4-129	WG727960
1,1-Dichloropropene	mg/kg	.025	0.0287	115.	74.9-124	WG727960
1,2,3-Trichlorobenzene	mg/kg	.025	0.0269	107.	69.3-131	WG727960
1,2,3-Trichloropropane	mg/kg	.025	0.0240	96.0	71.4-123	WG727960
1,2,3-Trimethylbenzene	mg/kg	.025	0.0280	112.	73.6-113	WG727960
1,2,4-Trichlorobenzene	mg/kg	.025	0.0269	108.	71.9-137	WG727960
1,2,4-Trimethylbenzene	mg/kg	.025	0.0248	99.1	75.5-122	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0263	105.	62.8-133	WG727960
1,2-Dibromoethane	mg/kg	.025	0.0242	96.9	78.6-120	WG727960
1,2-Dichlorobenzene	mg/kg	.025	0.0284	113.	78.3-118	WG727960
1,2-Dichloroethane	mg/kg	.025	0.0282	113.	70.1-124	WG727960
1,2-Dichloropropane	mg/kg	.025	0.0292	117.	77.9-119	WG727960
1,3,5-Trimethylbenzene	mg/kg	.025	0.0268	107.	75.9-124	WG727960
1,3-Dichlorobenzene	mg/kg	.025	0.0266	107.	72-126	WG727960
1,3-Dichloropropane	mg/kg	.025	0.0233	93.2	79.1-117	WG727960
1,4-Dichlorobenzene	mg/kg	.025	0.0261	104.	78.3-117	WG727960
2,2-Dichloropropane	mg/kg	.025	0.0297	119.	61.3-136	WG727960
2-Butanone (MEK)	mg/kg	.125	0.138	110.	53.7-153	WG727960
2-Chloroethyl vinyl ether	mg/kg	.125	0.126	101.	37.7-157	WG727960
2-Chlorotoluene	mg/kg	.025	0.0271	108.	75.6-121	WG727960
4-Chlorotoluene	mg/kg	.025	0.0257	103.	77.3-120	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.129	103.	70.4-137	WG727960

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Acetone	mg/kg	.125	0.117	93.8	35.1-175	WG727960
Acrylonitrile	mg/kg	.125	0.142	114.	56.4-128	WG727960
Benzene	mg/kg	.025	0.0275	110.	77.1-121	WG727960
Bromobenzene	mg/kg	.025	0.0253	101.	78.2-115	WG727960
Bromodichloromethane	mg/kg	.025	0.0278	111.	74.9-115	WG727960
Bromoform	mg/kg	.025	0.0246	98.2	65.9-132	WG727960
Bromomethane	mg/kg	.025	0.0265	106.	48.7-165	WG727960
Carbon tetrachloride	mg/kg	.025	0.0305	122.	70-124	WG727960
Chlorobenzene	mg/kg	.025	0.0264	105.	79.1-119	WG727960
Chlorodibromomethane	mg/kg	.025	0.0247	99.0	73.5-121	WG727960
Chloroethane	mg/kg	.025	0.0270	108.	66.2-132	WG727960
Chloroform	mg/kg	.025	0.0286	114.	76.7-122	WG727960
Chloromethane	mg/kg	.025	0.0269	108.	63.4-131	WG727960
cis-1,2-Dichloroethene	mg/kg	.025	0.0300	120.*	78.2-119	WG727960
cis-1,3-Dichloropropene	mg/kg	.025	0.0271	108.	79.6-120	WG727960
Di-isopropyl ether	mg/kg	.025	0.0298	119.	70.4-133	WG727960
Dibromomethane	mg/kg	.025	0.0271	108.	79.4-120	WG727960
Dichlorodifluoromethane	mg/kg	.025	0.0282	113.	57.1-137	WG727960
Ethylbenzene	mg/kg	.025	0.0243	97.3	79.7-122	WG727960
Hexachloro-1,3-butadiene	mg/kg	.025	0.0284	114.	68.2-123	WG727960
Isopropylbenzene	mg/kg	.025	0.0266	106.	80-135	WG727960
Methyl tert-butyl ether	mg/kg	.025	0.0285	114.	73-129	WG727960
Methylene Chloride	mg/kg	.025	0.0281	112.	72.6-120	WG727960
n-Butylbenzene	mg/kg	.025	0.0278	111.	77.5-126	WG727960
n-Propylbenzene	mg/kg	.025	0.0262	105.	77.9-123	WG727960
Naphthalene	mg/kg	.025	0.0271	108.	69.8-128	WG727960
p-Isopropyltoluene	mg/kg	.025	0.0261	104.	75.8-129	WG727960
sec-Butylbenzene	mg/kg	.025	0.0266	106.	75.8-126	WG727960
Styrene	mg/kg	.025	0.0261	104.	82.4-126	WG727960
tert-Butylbenzene	mg/kg	.025	0.0266	106.	76.4-126	WG727960
Tetrachloroethene	mg/kg	.025	0.0252	101.	73.9-125	WG727960
Toluene	mg/kg	.025	0.0269	108.	79.7-118	WG727960
trans-1,2-Dichloroethene	mg/kg	.025	0.0301	120.	73.8-122	WG727960
trans-1,3-Dichloropropene	mg/kg	.025	0.0262	105.	75.9-124	WG727960
Trichloroethene	mg/kg	.025	0.0282	113.	77.9-118	WG727960
Trichlorofluoromethane	mg/kg	.025	0.0287	115.	67.7-131	WG727960
Vinyl chloride	mg/kg	.025	0.0267	107.	66.7-130	WG727960
Xylenes, Total	mg/kg	.075	0.0754	101.	78.8-121	WG727960
4-Bromofluorobenzene				91.50	71-126	WG727960
Dibromofluoromethane				102.0	78.3-121	WG727960
Toluene-d8				103.0	88.5-111	WG727960
Acenaphthene	mg/kg	.4	0.346	86.5	50.7-125	WG727937
Acenaphthylene	mg/kg	.4	0.354	88.5	51.3-126	WG727937
Anthracene	mg/kg	.4	0.390	97.5	50.5-130	WG727937
Benzo(a)anthracene	mg/kg	.4	0.338	84.4	54.1-127	WG727937
Benzo(a)pyrene	mg/kg	.4	0.373	93.3	54.8-127	WG727937
Benzo(b)fluoranthene	mg/kg	.4	0.392	97.9	56.1-125	WG727937
Benzo(g,h,i)perylene	mg/kg	.4	0.444	111.	53.3-132	WG727937
Benzo(k)fluoranthene	mg/kg	.4	0.358	89.5	50.9-129	WG727937
Chrysene	mg/kg	.4	0.337	84.3	55.3-126	WG727937
Dibenz(a,h)anthracene	mg/kg	.4	0.428	107.	52.3-133	WG727937
Fluoranthene	mg/kg	.4	0.436	109.	50.1-135	WG727937
Fluorene	mg/kg	.4	0.387	96.8	52.3-125	WG727937
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.420	105.	50.1-135	WG727937
Naphthalene	mg/kg	.4	0.362	90.4	47.8-121	WG727937
Phenanthrene	mg/kg	.4	0.388	96.9	56-122	WG727937
Pyrene	mg/kg	.4	0.348	87.0	55.6-129	WG727937

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Fluorobiphenyl				92.40	41.4-134	
Nitrobenzene-d5				75.20	28.3-148	
p-Terphenyl-d14				91.20	35.8-140	
PCB 1016	mg/kg	.167	0.171	102.	63.2-118	WG727931
PCB 1260	mg/kg	.167	0.153	91.6	64.6-123	WG727931
Decachlorobiphenyl				83.10	10-145	WG727931
Tetrachloro-m-xylene				103.0	21.1-148	WG727931
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0252	101.	72.9-124	WG727287
1,1,1-Trichloroethane	mg/kg	.025	0.0229	91.6	73.7-124	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0273	109.	69.4-122	WG727287
1,1,2-Trichloroethane	mg/kg	.025	0.0247	98.7	79.1-118	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0224	89.4	70-146	WG727287
1,1-Dichloroethane	mg/kg	.025	0.0221	88.5	75-124	WG727287
1,1-Dichloroethene	mg/kg	.025	0.0239	95.7	70.4-129	WG727287
1,1-Dichloropropene	mg/kg	.025	0.0218	87.3	74.9-124	WG727287
1,2,3-Trichlorobenzene	mg/kg	.025	0.0225	90.2	69.3-131	WG727287
1,2,3-Trichloropropane	mg/kg	.025	0.0271	109.	71.4-123	WG727287
1,2,3-Trimethylbenzene	mg/kg	.025	0.0240	96.0	73.6-113	WG727287
1,2,4-Trichlorobenzene	mg/kg	.025	0.0224	89.7	71.9-137	WG727287
1,2,4-Trimethylbenzene	mg/kg	.025	0.0255	102.	75.5-122	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0242	96.9	62.8-133	WG727287
1,2-Dibromoethane	mg/kg	.025	0.0275	110.	78.6-120	WG727287
1,2-Dichlorobenzene	mg/kg	.025	0.0243	97.4	78.3-118	WG727287
1,2-Dichloroethane	mg/kg	.025	0.0241	96.4	70.1-124	WG727287
1,2-Dichloropropane	mg/kg	.025	0.0250	100.	77.9-119	WG727287
1,3,5-Trimethylbenzene	mg/kg	.025	0.0256	102.	75.9-124	WG727287
1,3-Dichlorobenzene	mg/kg	.025	0.0264	106.	72-126	WG727287
1,3-Dichloropropane	mg/kg	.025	0.0252	101.	79.1-117	WG727287
1,4-Dichlorobenzene	mg/kg	.025	0.0247	99.0	78.3-117	WG727287
2,2-Dichloropropane	mg/kg	.025	0.0221	88.5	61.3-136	WG727287
2-Butanone (MEK)	mg/kg	.125	0.127	101.	53.7-153	WG727287
2-Chloroethyl vinyl ether	mg/kg	.125	0.137	109.	37.7-157	WG727287
2-Chlorotoluene	mg/kg	.025	0.0266	107.	75.6-121	WG727287
4-Chlorotoluene	mg/kg	.025	0.0252	101.	77.3-120	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.145	116.	70.4-137	WG727287
Acetone	mg/kg	.125	0.107	85.9	35.1-175	WG727287
Acrylonitrile	mg/kg	.125	0.118	94.5	56.4-128	WG727287
Benzene	mg/kg	.025	0.0213	85.3	77.1-121	WG727287
Bromobenzene	mg/kg	.025	0.0246	98.5	78.2-115	WG727287
Bromodichloromethane	mg/kg	.025	0.0237	94.8	74.9-115	WG727287
Bromoform	mg/kg	.025	0.0282	113.	65.9-132	WG727287
Bromomethane	mg/kg	.025	0.0291	116.	48.7-165	WG727287
Carbon tetrachloride	mg/kg	.025	0.0220	88.0	70-124	WG727287
Chlorobenzene	mg/kg	.025	0.0258	103.	79.1-119	WG727287
Chlorodibromomethane	mg/kg	.025	0.0264	106.	73.5-121	WG727287
Chloroethane	mg/kg	.025	0.0258	103.	66.2-132	WG727287
Chloroform	mg/kg	.025	0.0222	88.7	76.7-122	WG727287
Chloromethane	mg/kg	.025	0.0195	77.9	63.4-131	WG727287
cis-1,2-Dichloroethene	mg/kg	.025	0.0222	88.9	78.2-119	WG727287
cis-1,3-Dichloropropene	mg/kg	.025	0.0257	103.	79.6-120	WG727287
Di-isopropyl ether	mg/kg	.025	0.0233	93.1	70.4-133	WG727287
Dibromomethane	mg/kg	.025	0.0252	101.	79.4-120	WG727287
Dichlorodifluoromethane	mg/kg	.025	0.0201	80.3	57.1-137	WG727287
Ethylbenzene	mg/kg	.025	0.0258	103.	79.7-122	WG727287
Hexachloro-1,3-butadiene	mg/kg	.025	0.0225	89.8	68.2-123	WG727287
Isopropylbenzene	mg/kg	.025	0.0254	102.	80-135	WG727287
Methyl tert-butyl ether	mg/kg	.025	0.0237	94.9	73-129	WG727287

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Methylene Chloride	mg/kg	.025	0.0205	82.1	72.6-120	WG727287
n-Butylbenzene	mg/kg	.025	0.0239	95.5	77.5-126	WG727287
n-Propylbenzene	mg/kg	.025	0.0251	100.	77.9-123	WG727287
Naphthalene	mg/kg	.025	0.0223	89.2	69.8-128	WG727287
p-Isopropyltoluene	mg/kg	.025	0.0267	107.	75.8-129	WG727287
sec-Butylbenzene	mg/kg	.025	0.0257	103.	75.8-126	WG727287
Styrene	mg/kg	.025	0.0270	108.	82.4-126	WG727287
tert-Butylbenzene	mg/kg	.025	0.0260	104.	76.4-126	WG727287
Tetrachloroethene	mg/kg	.025	0.0255	102.	73.9-125	WG727287
Toluene	mg/kg	.025	0.0240	96.0	79.7-118	WG727287
trans-1,2-Dichloroethene	mg/kg	.025	0.0214	85.4	73.8-122	WG727287
trans-1,3-Dichloropropene	mg/kg	.025	0.0275	110.	75.9-124	WG727287
Trichloroethene	mg/kg	.025	0.0237	94.9	77.9-118	WG727287
Trichlorofluoromethane	mg/kg	.025	0.0241	96.4	67.7-131	WG727287
Vinyl chloride	mg/kg	.025	0.0206	82.5	66.7-130	WG727287
Xylenes, Total	mg/kg	.075	0.0771	103.	78.8-121	WG727287
4-Bromofluorobenzene				95.90	71-126	WG727287
Dibromofluoromethane				90.00	78.3-121	WG727287
Toluene-d8				102.0	88.5-111	WG727287
Arsenic	mg/kg	237	244.	103.	83.1-117	WG727715
Barium	mg/kg	252	258.	102.	84.1-116	WG727715
Cadmium	mg/kg	191	188.	98.0	83.2-117	WG727715
Chromium	mg/kg	128	128.	100.	81.3-118	WG727715
Lead	mg/kg	103	101.	98.0	83.1-117	WG727715
Selenium	mg/kg	110	113.	103.	78.7-122	WG727715
Silver	mg/kg	47.3	46.4	98.0	66.2-134	WG727715
Lead	mg/kg	103	101.	98.0	83.1-117	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	60	43.4	72.4	50-100	WG727821
o-Terphenyl				75.10	50-150	WG727821
Acenaphthene	mg/kg	.4	0.331	82.7	50.7-125	WG728031
Acenaphthylene	mg/kg	.4	0.336	84.0	51.3-126	WG728031
Anthracene	mg/kg	.4	0.336	84.1	50.5-130	WG728031
Benzo(a)anthracene	mg/kg	.4	0.326	81.4	54.1-127	WG728031
Benzo(a)pyrene	mg/kg	.4	0.338	84.4	54.8-127	WG728031
Benzo(b)fluoranthene	mg/kg	.4	0.329	82.3	56.1-125	WG728031
Benzo(g,h,i)perylene	mg/kg	.4	0.360	90.0	53.3-132	WG728031
Benzo(k)fluoranthene	mg/kg	.4	0.327	81.9	50.9-129	WG728031
Chrysene	mg/kg	.4	0.332	83.0	55.3-126	WG728031
Dibenz(a,h)anthracene	mg/kg	.4	0.354	88.5	52.3-133	WG728031
Fluoranthene	mg/kg	.4	0.330	82.4	50.1-135	WG728031
Fluorene	mg/kg	.4	0.325	81.1	52.3-125	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.354	88.6	50.1-135	WG728031
Naphthalene	mg/kg	.4	0.305	76.3	47.8-121	WG728031
Phenanthrene	mg/kg	.4	0.328	82.0	56-122	WG728031
Pyrene	mg/kg	.4	0.347	86.9	55.6-129	WG728031
2-Fluorobiphenyl				83.20	41.4-134	WG728031
Nitrobenzene-d5				81.00	28.3-148	WG728031
p-Terphenyl-d14				94.40	35.8-140	WG728031
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0254	101.	72.9-124	WG728250

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Level II

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July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	mg/kg	.025	0.0242	96.9	73.7-124	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0237	95.0	69.4-122	WG728250
1,1,2-Trichloroethane	mg/kg	.025	0.0266	106.	79.1-118	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0241	96.4	70-146	WG728250
1,1-Dichloroethane	mg/kg	.025	0.0246	98.3	75-124	WG728250
1,1-Dichloroethene	mg/kg	.025	0.0238	95.1	70.4-129	WG728250
1,1-Dichloropropene	mg/kg	.025	0.0236	94.3	74.9-124	WG728250
1,2,3-Trichlorobenzene	mg/kg	.025	0.0228	91.4	69.3-131	WG728250
1,2,3-Trichloropropane	mg/kg	.025	0.0253	101.	71.4-123	WG728250
1,2,3-Trimethylbenzene	mg/kg	.025	0.0252	101.	73.6-113	WG728250
1,2,4-Trichlorobenzene	mg/kg	.025	0.0241	96.4	71.9-137	WG728250
1,2,4-Trimethylbenzene	mg/kg	.025	0.0239	95.7	75.5-122	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0226	90.4	62.8-133	WG728250
1,2-Dibromoethane	mg/kg	.025	0.0247	98.8	78.6-120	WG728250
1,2-Dichlorobenzene	mg/kg	.025	0.0257	103.	78.3-118	WG728250
1,2-Dichloroethane	mg/kg	.025	0.0243	97.3	70.1-124	WG728250
1,2-Dichloropropane	mg/kg	.025	0.0241	96.4	77.9-119	WG728250
1,3,5-Trimethylbenzene	mg/kg	.025	0.0244	97.8	75.9-124	WG728250
1,3-Dichlorobenzene	mg/kg	.025	0.0246	98.3	72-126	WG728250
1,3-Dichloropropane	mg/kg	.025	0.0247	98.8	79.1-117	WG728250
1,4-Dichlorobenzene	mg/kg	.025	0.0253	101.	78.3-117	WG728250
2,2-Dichloropropane	mg/kg	.025	0.0233	93.3	61.3-136	WG728250
2-Butanone (MEK)	mg/kg	.125	0.111	89.0	53.7-153	WG728250
2-Chloroethyl vinyl ether	mg/kg	.125	0.130	104.	37.7-157	WG728250
2-Chlorotoluene	mg/kg	.025	0.0245	98.0	75.6-121	WG728250
4-Chlorotoluene	mg/kg	.025	0.0238	95.1	77.3-120	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.122	97.3	70.4-137	WG728250
Acetone	mg/kg	.125	0.111	88.7	35.1-175	WG728250
Acrylonitrile	mg/kg	.125	0.114	90.9	56.4-128	WG728250
Benzene	mg/kg	.025	0.0238	95.2	77.1-121	WG728250
Bromobenzene	mg/kg	.025	0.0237	94.7	78.2-115	WG728250
Bromodichloromethane	mg/kg	.025	0.0244	97.8	74.9-115	WG728250
Bromoform	mg/kg	.025	0.0241	96.3	65.9-132	WG728250
Bromomethane	mg/kg	.025	0.0313	125.	48.7-165	WG728250
Carbon tetrachloride	mg/kg	.025	0.0238	95.0	70-124	WG728250
Chlorobenzene	mg/kg	.025	0.0264	106.	79.1-119	WG728250
Chlorodibromomethane	mg/kg	.025	0.0255	102.	73.5-121	WG728250
Chloroethane	mg/kg	.025	0.0260	104.	66.2-132	WG728250
Chloroform	mg/kg	.025	0.0246	98.4	76.7-122	WG728250
Chloromethane	mg/kg	.025	0.0207	82.7	63.4-131	WG728250
cis-1,2-Dichloroethene	mg/kg	.025	0.0257	103.	78.2-119	WG728250
cis-1,3-Dichloropropene	mg/kg	.025	0.0248	99.4	79.6-120	WG728250
Di-isopropyl ether	mg/kg	.025	0.0241	96.3	70.4-133	WG728250
Dibromomethane	mg/kg	.025	0.0257	103.	79.4-120	WG728250
Dichlorodifluoromethane	mg/kg	.025	0.0210	83.9	57.1-137	WG728250
Ethylbenzene	mg/kg	.025	0.0250	99.8	79.7-122	WG728250
Hexachloro-1,3-butadiene	mg/kg	.025	0.0221	88.3	68.2-123	WG728250
Isopropylbenzene	mg/kg	.025	0.0244	97.8	80-135	WG728250
Methyl tert-butyl ether	mg/kg	.025	0.0252	101.	73-129	WG728250
Methylene Chloride	mg/kg	.025	0.0254	102.	72.6-120	WG728250
n-Butylbenzene	mg/kg	.025	0.0237	94.8	77.5-126	WG728250
n-Propylbenzene	mg/kg	.025	0.0241	96.6	77.9-123	WG728250
Naphthalene	mg/kg	.025	0.0227	90.6	69.8-128	WG728250
p-Isopropyltoluene	mg/kg	.025	0.0233	93.0	75.8-129	WG728250
sec-Butylbenzene	mg/kg	.025	0.0237	94.8	75.8-126	WG728250
Styrene	mg/kg	.025	0.0254	102.	82.4-126	WG728250
tert-Butylbenzene	mg/kg	.025	0.0231	92.4	76.4-126	WG728250
Tetrachloroethene	mg/kg	.025	0.0263	105.	73.9-125	WG728250
Toluene	mg/kg	.025	0.0248	99.2	79.7-118	WG728250

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Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
trans-1,2-Dichloroethene	mg/kg	.025	0.0240	96.0	73.8-122	WG728250
trans-1,3-Dichloropropene	mg/kg	.025	0.0245	98.1	75.9-124	WG728250
Trichloroethene	mg/kg	.025	0.0258	103.	77.9-118	WG728250
Trichlorofluoromethane	mg/kg	.025	0.0242	96.7	67.7-131	WG728250
Vinyl chloride	mg/kg	.025	0.0213	85.2	66.7-130	WG728250
Xylenes, Total	mg/kg	.075	0.0750	100.	78.8-121	WG728250
4-Bromofluorobenzene				92.00	71-126	WG728250
Dibromofluoromethane				97.80	78.3-121	WG728250
Toluene-d8				97.00	88.5-111	WG728250
TPH (GC/FID) Low Fraction	mg/kg	1	0.591	59.1	50-100	WG727346
a,a,a-Trifluorotoluene(FID)				97.70	50-150	WG727346
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0279	111.	72.9-124	WG727848
1,1,1-Trichloroethane	mg/kg	.025	0.0223	89.3	73.7-124	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	69.4-122	WG727848
1,1,2-Trichloroethane	mg/kg	.025	0.0272	109.	79.1-118	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0227	90.9	70-146	WG727848
1,1-Dichloroethane	mg/kg	.025	0.0218	87.2	75-124	WG727848
1,1-Dichloroethene	mg/kg	.025	0.0203	81.1	70.4-129	WG727848
1,1-Dichloropropene	mg/kg	.025	0.0219	87.8	74.9-124	WG727848
1,2,3-Trichlorobenzene	mg/kg	.025	0.0281	112.	69.3-131	WG727848
1,2,3-Trichloropropane	mg/kg	.025	0.0264	105.	71.4-123	WG727848
1,2,3-Trimethylbenzene	mg/kg	.025	0.0233	93.1	73.6-113	WG727848
1,2,4-Trichlorobenzene	mg/kg	.025	0.0275	110.	71.9-137	WG727848
1,2,4-Trimethylbenzene	mg/kg	.025	0.0259	103.	75.5-122	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0269	108.	62.8-133	WG727848
1,2-Dibromoethane	mg/kg	.025	0.0273	109.	78.6-120	WG727848
1,2-Dichlorobenzene	mg/kg	.025	0.0256	103.	78.3-118	WG727848
1,2-Dichloroethane	mg/kg	.025	0.0211	84.3	70.1-124	WG727848
1,2-Dichloropropane	mg/kg	.025	0.0235	94.0	77.9-119	WG727848
1,3,5-Trimethylbenzene	mg/kg	.025	0.0259	104.	75.9-124	WG727848
1,3-Dichlorobenzene	mg/kg	.025	0.0281	112.	72-126	WG727848
1,3-Dichloropropane	mg/kg	.025	0.0254	102.	79.1-117	WG727848
1,4-Dichlorobenzene	mg/kg	.025	0.0244	97.8	78.3-117	WG727848
2,2-Dichloropropane	mg/kg	.025	0.0211	84.5	61.3-136	WG727848
2-Butanone (MEK)	mg/kg	.125	0.0999	79.9	53.7-153	WG727848
2-Chloroethyl vinyl ether	mg/kg	.125	0.139	112.	37.7-157	WG727848
2-Chlorotoluene	mg/kg	.025	0.0275	110.	75.6-121	WG727848
4-Chlorotoluene	mg/kg	.025	0.0249	99.7	77.3-120	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.111	88.5	70.4-137	WG727848
Acetone	mg/kg	.125	0.0981	78.5	35.1-175	WG727848
Acrylonitrile	mg/kg	.125	0.111	88.9	56.4-128	WG727848
Benzene	mg/kg	.025	0.0224	89.5	77.1-121	WG727848
Bromobenzene	mg/kg	.025	0.0238	95.3	78.2-115	WG727848
Bromodichloromethane	mg/kg	.025	0.0234	93.5	74.9-115	WG727848
Bromoform	mg/kg	.025	0.0300	120.	65.9-132	WG727848
Bromomethane	mg/kg	.025	0.0223	89.1	48.7-165	WG727848
Carbon tetrachloride	mg/kg	.025	0.0236	94.6	70-124	WG727848
Chlorobenzene	mg/kg	.025	0.0273	109.	79.1-119	WG727848
Chlorodibromomethane	mg/kg	.025	0.0285	114.	73.5-121	WG727848
Chloroethane	mg/kg	.025	0.0187	74.9	66.2-132	WG727848
Chloroform	mg/kg	.025	0.0220	88.1	76.7-122	WG727848
Chloromethane	mg/kg	.025	0.0203	81.3	63.4-131	WG727848
cis-1,2-Dichloroethene	mg/kg	.025	0.0252	101.	78.2-119	WG727848
cis-1,3-Dichloropropene	mg/kg	.025	0.0245	98.0	79.6-120	WG727848
Di-isopropyl ether	mg/kg	.025	0.0199	79.5	70.4-133	WG727848

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L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Dibromomethane	mg/kg	.025	0.0253	101.	79.4-120	WG727848
Dichlorodifluoromethane	mg/kg	.025	0.0224	89.4	57.1-137	WG727848
Ethylbenzene	mg/kg	.025	0.0274	110.	79.7-122	WG727848
Hexachloro-1,3-butadiene	mg/kg	.025	0.0260	104.	68.2-123	WG727848
Isopropylbenzene	mg/kg	.025	0.0263	105.	80-135	WG727848
Methyl tert-butyl ether	mg/kg	.025	0.0222	89.0	73-129	WG727848
Methylene Chloride	mg/kg	.025	0.0227	90.7	72.6-120	WG727848
n-Butylbenzene	mg/kg	.025	0.0238	95.3	77.5-126	WG727848
n-Propylbenzene	mg/kg	.025	0.0258	103.	77.9-123	WG727848
Naphthalene	mg/kg	.025	0.0275	110.	69.8-128	WG727848
p-Isopropyltoluene	mg/kg	.025	0.0276	110.	75.8-129	WG727848
sec-Butylbenzene	mg/kg	.025	0.0268	107.	75.8-126	WG727848
Styrene	mg/kg	.025	0.0276	110.	82.4-126	WG727848
tert-Butylbenzene	mg/kg	.025	0.0271	108.	76.4-126	WG727848
Tetrachloroethene	mg/kg	.025	0.0285	114.	73.9-125	WG727848
Toluene	mg/kg	.025	0.0242	97.0	79.7-118	WG727848
trans-1,2-Dichloroethene	mg/kg	.025	0.0242	97.0	73.8-122	WG727848
trans-1,3-Dichloropropene	mg/kg	.025	0.0285	114.	75.9-124	WG727848
Trichloroethene	mg/kg	.025	0.0261	104.	77.9-118	WG727848
Trichlorofluoromethane	mg/kg	.025	0.0208	83.0	67.7-131	WG727848
Vinyl chloride	mg/kg	.025	0.0197	79.0	66.7-130	WG727848
Xylenes, Total	mg/kg	.075	0.0799	107.	78.8-121	WG727848
4-Bromofluorobenzene				97.80	71-126	WG727848
Dibromofluoromethane				89.50	78.3-121	WG727848
Toluene-d8				94.70	88.5-111	WG727848
Extractable Petroleum Hydrocarbon	mg/kg	60	51.2	85.3	50-100	WG728024
o-Terphenyl				79.80	50-150	WG728024
TPH (GC/FID) Low Fraction	mg/kg	1	0.661	66.1	50-100	WG727349
a,a,a-Trifluorotoluene(FID)				92.10	50-150	WG727349
PCB 1016	mg/kg	.167	0.159	95.0	63.2-118	WG728030
PCB 1260	mg/kg	.167	0.138	82.5	64.6-123	WG728030
Decachlorobiphenyl				69.90	10-145	WG728030
Tetrachloro-m-xylene				96.30	21.1-148	WG728030
Acenaphthene	mg/kg	.4	0.387	96.7	50.7-125	WG728071
Acenaphthylene	mg/kg	.4	0.393	98.3	51.3-126	WG728071
Anthracene	mg/kg	.4	0.393	98.2	50.5-130	WG728071
Benzo(a)anthracene	mg/kg	.4	0.381	95.3	54.1-127	WG728071
Benzo(a)pyrene	mg/kg	.4	0.398	99.4	54.8-127	WG728071
Benzo(b)fluoranthene	mg/kg	.4	0.379	94.7	56.1-125	WG728071
Benzo(g,h,i)perylene	mg/kg	.4	0.417	104.	53.3-132	WG728071
Benzo(k)fluoranthene	mg/kg	.4	0.379	94.8	50.9-129	WG728071
Chrysene	mg/kg	.4	0.390	97.6	55.3-126	WG728071
Dibenz(a,h)anthracene	mg/kg	.4	0.406	101.	52.3-133	WG728071
Fluoranthene	mg/kg	.4	0.377	94.2	50.1-135	WG728071
Fluorene	mg/kg	.4	0.384	96.0	52.3-125	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.410	103.	50.1-135	WG728071
Naphthalene	mg/kg	.4	0.348	86.9	47.8-121	WG728071
Phenanthrene	mg/kg	.4	0.380	95.1	56-122	WG728071
Pyrene	mg/kg	.4	0.448	112.	55.6-129	WG728071
2-Fluorobiphenyl				94.90	41.4-134	WG728071
Nitrobenzene-d5				87.40	28.3-148	WG728071

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
p-Terphenyl-d14				119.0	35.8-140	
TPH (GC/FID) Low Fraction	mg/kg	1	0.630	63.0	50-100	WG728614
a,a,a-Trifluorotoluene(FID)				89.60	50-150	WG728614
TPH (GC/FID) Low Fraction	mg/kg	1	0.578	57.8	50-100	WG728761
a,a,a-Trifluorotoluene(FID)				92.10	50-150	WG728761
Extractable Petroleum Hydrocarbon	mg/kg	60	56.8	94.7	50-100	WG728630
o-Terphenyl				89.90	50-150	WG728630
Arsenic	mg/kg	237	241.	102.	83.1-117	WG730928

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0253	0.0278	101.	74.2-124	9.33	20	WG727265
1,1,1-Trichloroethane	mg/l	0.0230	0.0212	92.0	73.2-123	8.12	20	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0205	0.0241	82.0	70.7-122	16.1	20	WG727265
1,1,2-Trichloroethane	mg/l	0.0237	0.0259	95.0	77.7-118	8.88	20	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0249	0.0247	100.	67.2-143	0.890	20	WG727265
1,1-Dichloroethane	mg/l	0.0231	0.0227	92.0	70.7-126	1.89	20	WG727265
1,1-Dichloroethene	mg/l	0.0267	0.0262	107.	67.8-129	2.01	20	WG727265
1,1-Dichloropropene	mg/l	0.0227	0.0207	91.0	73.1-125	9.28	20	WG727265
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0264	106.	64.9-135	0.310	20	WG727265
1,2,3-Trichloropropane	mg/l	0.0213	0.0248	85.0	71.8-121	15.3	20	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0192	0.0194	77.0	72.3-116	0.980	20	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0247	0.0244	99.0	69.7-136	1.30	20	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0212	0.0241	85.0	75-123	12.7	20	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0260	0.0264	104.	65.4-128	1.28	20	WG727265
1,2-Dibromoethane	mg/l	0.0238	0.0262	95.0	76.6-121	9.46	20	WG727265
1,2-Dichlorobenzene	mg/l	0.0239	0.0239	96.0	78.4-117	0.170	20	WG727265
1,2-Dichloroethane	mg/l	0.0214	0.0185	86.0	68.8-124	14.5	20	WG727265
1,2-Dichloropropane	mg/l	0.0238	0.0219	95.0	76.5-119	8.31	20	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0216	0.0250	86.0	75.6-124	14.5	20	WG727265
1,3-Dichlorobenzene	mg/l	0.0230	0.0267	92.0	70.8-128	14.8	20	WG727265
1,3-Dichloropropane	mg/l	0.0229	0.0235	92.0	77.4-117	2.55	20	WG727265
1,4-Dichlorobenzene	mg/l	0.0233	0.0235	93.0	78.8-115	0.980	20	WG727265
2,2-Dichloropropane	mg/l	0.0249	0.0226	100.	62.4-133	9.59	20	WG727265
2-Butanone (MEK)	mg/l	0.106	0.0890	85.0	55-149	17.9	20	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0797	0.0759	64.0	43.8-150	4.85	20	WG727265
2-Chlorotoluene	mg/l	0.0230	0.0268	92.0	74.7-122	15.3	20	WG727265
4-Chlorotoluene	mg/l	0.0197	0.0225	79.0	77.5-120	13.4	20	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.125	0.116	100.	70.5-133	8.08	20	WG727265
Acetone	mg/l	0.102	0.103	82.0	35.6-163	1.09	23.9	WG727265
Acrolein	mg/l	0.0791	0.0798	63.0	10-190	0.900	28.1	WG727265
Acrylonitrile	mg/l	0.112	0.113	90.0	55.2-130	0.260	20	WG727265
Benzene	mg/l	0.0228	0.0200	91.0	74.8-121	12.7	20	WG727265
Bromobenzene	mg/l	0.0197	0.0224	79.0	77.5-116	13.0	20	WG727265
Bromodichloromethane	mg/l	0.0230	0.0220	92.0	75.1-116	4.48	20	WG727265
Bromoform	mg/l	0.0266	0.0305	106.	67.5-130	13.5	20	WG727265
Bromomethane	mg/l	0.0288	0.0283	115.	49.9-162	1.94	20	WG727265
Carbon tetrachloride	mg/l	0.0230	0.0216	92.0	70.2-123	6.40	20	WG727265
Chlorobenzene	mg/l	0.0238	0.0259	95.0	78.1-119	8.10	20	WG727265
Chlorodibromomethane	mg/l	0.0248	0.0274	99.0	74-121	9.89	20	WG727265
Chloroethane	mg/l	0.0266	0.0269	106.	61.7-135	1.08	20	WG727265
Chloroform	mg/l	0.0219	0.0206	87.0	76-121	6.11	20	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloromethane	mg/l	0.0214	0.0216	86.0	61.5-129	0.920	20	WG727265
cis-1,2-Dichloroethene	mg/l	0.0233	0.0223	93.0	76-119	4.34	20	WG727265
cis-1,3-Dichloropropene	mg/l	0.0262	0.0252	105.	78.2-120	3.83	20	WG727265
Di-isopropyl ether	mg/l	0.0239	0.0235	96.0	65.6-132	1.80	20	WG727265
Dibromomethane	mg/l	0.0233	0.0230	93.0	79.5-118	1.26	20	WG727265
Dichlorodifluoromethane	mg/l	0.0185	0.0189	74.0	54.8-135	2.16	20	WG727265
Ethylbenzene	mg/l	0.0240	0.0258	96.0	78.8-122	7.26	20	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0242	97.0	64.7-129	0.260	20	WG727265
Isopropylbenzene	mg/l	0.0252	0.0275	101.	78.6-132	8.75	20	WG727265
Methyl tert-butyl ether	mg/l	0.0211	0.0212	84.0	71.2-126	0.480	20	WG727265
Methylene Chloride	mg/l	0.0235	0.0237	94.0	70.3-120	0.790	20	WG727265
n-Butylbenzene	mg/l	0.0206	0.0206	82.0	76.2-126	0.0200	20	WG727265
n-Propylbenzene	mg/l	0.0208	0.0237	83.0	78.2-122	12.9	20	WG727265
Naphthalene	mg/l	0.0244	0.0243	98.0	68.4-128	0.200	20	WG727265
p-Isopropyltoluene	mg/l	0.0230	0.0265	92.0	74-131	14.3	20	WG727265
sec-Butylbenzene	mg/l	0.0224	0.0256	89.0	74.4-127	13.6	20	WG727265
Styrene	mg/l	0.0243	0.0267	97.0	80.4-126	9.66	20	WG727265
tert-Butylbenzene	mg/l	0.0226	0.0255	90.0	75.3-126	12.1	20	WG727265
Tetrachloroethene	mg/l	0.0251	0.0285	100.	72.6-126	12.6	20	WG727265
Toluene	mg/l	0.0232	0.0232	93.0	79.7-116	0.130	20	WG727265
trans-1,2-Dichloroethene	mg/l	0.0234	0.0235	93.0	72.6-121	0.500	20	WG727265
trans-1,3-Dichloropropene	mg/l	0.0256	0.0262	102.	74.3-123	2.22	20	WG727265
Trichloroethene	mg/l	0.0245	0.0250	98.0	77.7-118	2.28	20	WG727265
Trichlorofluoromethane	mg/l	0.0268	0.0267	107.	63.5-135	0.560	20	WG727265
Vinyl chloride	mg/l	0.0237	0.0228	95.0	65.9-128	3.88	20	WG727265
Xylenes, Total	mg/l	0.0701	0.0761	94.0	78.7-121	8.13	20	WG727265
4-Bromofluorobenzene				80.60	71-126			WG727265
Dibromofluoromethane				95.30	78.3-121			WG727265
Toluene-d8				99.50	88.5-111			WG727265
1,1,1,2-Tetrachloroethane	mg/kg	0.0275	0.0261	110.	72.9-124	5.08	20	WG727286
1,1,1-Trichloroethane	mg/kg	0.0282	0.0298	113.	73.7-124	5.50	20	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0276	0.0264	110.	69.4-122	4.27	20	WG727286
1,1,2-Trichloroethane	mg/kg	0.0282	0.0272	113.	79.1-118	3.46	20	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0315	0.0341	126.	70-146	8.02	20	WG727286
1,1-Dichloroethane	mg/kg	0.0275	0.0291	110.	75-124	5.55	20	WG727286
1,1-Dichloroethene	mg/kg	0.0287	0.0305	115.	70.4-129	5.86	20	WG727286
1,1-Dichloropropene	mg/kg	0.0281	0.0301	112.	74.9-124	7.08	20	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0265	0.0274	106.	69.3-131	3.32	20	WG727286
1,2,3-Trichloropropane	mg/kg	0.0264	0.0247	105.	71.4-123	6.51	20	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0288	0.0282	115*	73.6-113	1.87	20	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0283	0.0273	113.	71.9-137	3.60	20	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0271	0.0265	108.	75.5-122	1.89	20	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0257	0.0260	103.	62.8-133	1.03	20	WG727286
1,2-Dibromoethane	mg/kg	0.0269	0.0263	108.	78.6-120	2.28	20	WG727286
1,2-Dichlorobenzene	mg/kg	0.0287	0.0289	115.	78.3-118	0.820	20	WG727286
1,2-Dichloroethane	mg/kg	0.0277	0.0276	111.	70.1-124	0.570	20	WG727286
1,2-Dichloropropane	mg/kg	0.0294	0.0292	118.	77.9-119	0.640	20	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0294	0.0290	118.	75.9-124	1.64	20	WG727286
1,3-Dichlorobenzene	mg/kg	0.0284	0.0275	113.	72-126	3.20	20	WG727286
1,3-Dichloropropane	mg/kg	0.0261	0.0248	104.	79.1-117	5.31	20	WG727286
1,4-Dichlorobenzene	mg/kg	0.0276	0.0274	110.	78.3-117	0.710	20	WG727286
2,2-Dichloropropane	mg/kg	0.0284	0.0302	114.	61.3-136	6.04	20	WG727286
2-Butanone (MEK)	mg/kg	0.111	0.106	89.0	53.7-153	4.41	21.2	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.141	0.136	112.	37.7-157	3.29	20	WG727286
2-Chlorotoluene	mg/kg	0.0288	0.0291	115.	75.6-121	0.840	20	WG727286
4-Chlorotoluene	mg/kg	0.0289	0.0275	116.	77.3-120	5.07	20	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.132	0.126	105.	70.4-137	4.51	20	WG727286

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Acetone	mg/kg	0.113	0.112	90.0	35.1-175	1.16	26.1	WG727286
Acrylonitrile	mg/kg	0.128	0.128	103.	56.4-128	0.0800	20	WG727286
Benzene	mg/kg	0.0277	0.0279	111.	77.1-121	0.600	20	WG727286
Bromobenzene	mg/kg	0.0271	0.0258	108.	78.2-115	4.97	20	WG727286
Bromodichloromethane	mg/kg	0.0271	0.0271	108.	74.9-115	0.190	20	WG727286
Bromoform	mg/kg	0.0264	0.0252	106.	65.9-132	4.58	20	WG727286
Bromomethane	mg/kg	0.0265	0.0257	106.	48.7-165	2.85	20	WG727286
Carbon tetrachloride	mg/kg	0.0289	0.0313	116.	70-124	7.87	20	WG727286
Chlorobenzene	mg/kg	0.0293	0.0275	117.	79.1-119	6.64	20	WG727286
Chlorodibromomethane	mg/kg	0.0282	0.0264	113.	73.5-121	6.57	20	WG727286
Chloroethane	mg/kg	0.0266	0.0273	106.	66.2-132	2.50	20	WG727286
Chloroform	mg/kg	0.0269	0.0272	108.	76.7-122	1.12	20	WG727286
Chloromethane	mg/kg	0.0253	0.0266	101.	63.4-131	5.01	20	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0276	0.0284	110.	78.2-119	3.03	20	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0289	0.0283	116.	79.6-120	2.25	20	WG727286
Di-isopropyl ether	mg/kg	0.0280	0.0285	112.	70.4-133	1.54	20	WG727286
Dibromomethane	mg/kg	0.0272	0.0284	109.	79.4-120	4.17	20	WG727286
Dichlorodifluoromethane	mg/kg	0.0268	0.0280	107.	57.1-137	4.48	20	WG727286
Ethylbenzene	mg/kg	0.0274	0.0268	110.	79.7-122	2.24	20	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0289	0.0301	115.	68.2-123	4.29	20	WG727286
Isopropylbenzene	mg/kg	0.0286	0.0281	114.	80-135	1.70	20	WG727286
Methyl tert-butyl ether	mg/kg	0.0265	0.0265	106.	73-129	0.0600	20	WG727286
Methylene Chloride	mg/kg	0.0258	0.0270	103.	72.6-120	4.24	20	WG727286
n-Butylbenzene	mg/kg	0.0296	0.0303	118.	77.5-126	2.40	20	WG727286
n-Propylbenzene	mg/kg	0.0294	0.0286	117.	77.9-123	2.45	20	WG727286
Naphthalene	mg/kg	0.0259	0.0253	104.	69.8-128	2.59	20	WG727286
p-Isopropyltoluene	mg/kg	0.0286	0.0284	114.	75.8-129	0.960	20	WG727286
sec-Butylbenzene	mg/kg	0.0287	0.0286	115.	75.8-126	0.360	20	WG727286
Styrene	mg/kg	0.0289	0.0272	116.	82.4-126	5.86	20	WG727286
tert-Butylbenzene	mg/kg	0.0301	0.0288	120.	76.4-126	4.42	20	WG727286
Tetrachloroethene	mg/kg	0.0292	0.0290	117.	73.9-125	0.690	20	WG727286
Toluene	mg/kg	0.0279	0.0282	112.	79.7-118	0.760	20	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0284	0.0301	114.	73.8-122	5.93	20	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0274	0.0278	110.	75.9-124	1.26	20	WG727286
Trichloroethene	mg/kg	0.0290	0.0294	116.	77.9-118	1.36	20	WG727286
Trichlorofluoromethane	mg/kg	0.0263	0.0289	105.	67.7-131	9.55	20	WG727286
Vinyl chloride	mg/kg	0.0252	0.0272	101.	66.7-130	7.60	20	WG727286
Xylenes, Total	mg/kg	0.0823	0.0799	110.	78.8-121	2.99	20	WG727286
4-Bromofluorobenzene				102.0	71-126			WG727286
Dibromofluoromethane				101.0	78.3-121			WG727286
Toluene-d8				104.0	88.5-111			WG727286
Acenaphthene	mg/kg	0.330	0.331	82.0	50.7-125	0.340	20	WG727502
Acenaphthylene	mg/kg	0.337	0.317	84.0	51.3-126	6.29	20	WG727502
Anthracene	mg/kg	0.357	0.343	89.0	50.5-130	4.02	20	WG727502
Benzo(a)anthracene	mg/kg	0.334	0.323	83.0	54.1-127	3.44	20	WG727502
Benzo(a)pyrene	mg/kg	0.377	0.316	94.0	54.8-127	17.7	20	WG727502
Benzo(b)fluoranthene	mg/kg	0.378	0.304	94.0	56.1-125	21.7*	20	WG727502
Benzo(g,h,i)perylene	mg/kg	0.362	0.312	90.0	53.3-132	14.8	20	WG727502
Benzo(k)fluoranthene	mg/kg	0.356	0.325	89.0	50.9-129	9.30	20	WG727502
Chrysene	mg/kg	0.346	0.311	86.0	55.3-126	10.4	20	WG727502
Dibenz(a,h)anthracene	mg/kg	0.364	0.331	91.0	52.3-133	9.46	20	WG727502
Fluoranthene	mg/kg	0.336	0.326	84.0	50.1-135	2.93	20	WG727502
Fluorene	mg/kg	0.337	0.325	84.0	52.3-125	3.73	20	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.358	0.324	89.0	50.1-135	10.1	20	WG727502
Naphthalene	mg/kg	0.312	0.304	78.0	47.8-121	2.42	20	WG727502
Phenanthrene	mg/kg	0.351	0.356	88.0	56-122	1.36	20	WG727502
Pyrene	mg/kg	0.391	0.364	98.0	55.6-129	7.13	20	WG727502

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
2-Fluorobiphenyl				80.60	41.4-134			
Nitrobenzene-d5				72.00	28.3-148			
p-Terphenyl-d14				91.20	35.8-140			
Arsenic	mg/kg	225.	227.	95.0	83.1-117	1.00	20	WG727624
Barium	mg/kg	242.	246.	96.0	84.1-116	2.00	20	WG727624
Cadmium	mg/kg	167.	169.	88.0	83.2-117	1.00	20	WG727624
Chromium	mg/kg	118.	120.	92.0	81.3-118	2.00	20	WG727624
Lead	mg/kg	93.4	93.6	91.0	83.1-117	0.0	20	WG727624
Selenium	mg/kg	106.	106.	96.0	78.7-122	0.0	20	WG727624
Silver	mg/kg	45.3	45.3	96.0	66.2-134	0.0	20	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.0240	0.0252	96.0	72.9-124	4.95	20	WG727846
1,1,1-Trichloroethane	mg/kg	0.0234	0.0239	94.0	73.7-124	2.37	20	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.0272	0.0303	109.	69.4-122	10.6	20	WG727846
1,1,2-Trichloroethane	mg/kg	0.0255	0.0267	102.	79.1-118	4.37	20	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0230	0.0239	92.0	70-146	3.49	20	WG727846
1,1-Dichloroethane	mg/kg	0.0235	0.0240	94.0	75-124	2.01	20	WG727846
1,1-Dichloroethene	mg/kg	0.0200	0.0207	80.0	70.4-129	3.77	20	WG727846
1,1-Dichloropropene	mg/kg	0.0227	0.0232	91.0	74.9-124	2.17	20	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.0247	0.0255	99.0	69.3-131	2.99	20	WG727846
1,2,3-Trichloropropane	mg/kg	0.0270	0.0289	108.	71.4-123	6.96	20	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.0237	0.0239	95.0	73.6-113	0.920	20	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.0236	0.0244	94.0	71.9-137	3.24	20	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.0246	0.0250	98.0	75.5-122	1.65	20	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.0276	0.0312	110.	62.8-133	12.0	20	WG727846
1,2-Dibromoethane	mg/kg	0.0254	0.0275	102.	78.6-120	7.87	20	WG727846
1,2-Dichlorobenzene	mg/kg	0.0247	0.0256	99.0	78.3-118	3.64	20	WG727846
1,2-Dichloroethane	mg/kg	0.0220	0.0237	88.0	70.1-124	7.60	20	WG727846
1,2-Dichloropropane	mg/kg	0.0223	0.0230	89.0	77.9-119	3.03	20	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.0241	0.0247	96.0	75.9-124	2.73	20	WG727846
1,3-Dichlorobenzene	mg/kg	0.0247	0.0250	99.0	72-126	1.23	20	WG727846
1,3-Dichloropropane	mg/kg	0.0240	0.0252	96.0	79.1-117	4.83	20	WG727846
1,4-Dichlorobenzene	mg/kg	0.0233	0.0242	93.0	78.3-117	3.60	20	WG727846
2,2-Dichloropropane	mg/kg	0.0210	0.0213	84.0	61.3-136	1.53	20	WG727846
2-Butanone (MEK)	mg/kg	0.103	0.126	82.0	53.7-153	20.5	21.2	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.105	0.119	84.0	37.7-157	12.7	20	WG727846
2-Chlorotoluene	mg/kg	0.0211	0.0215	84.0	75.6-121	1.79	20	WG727846
4-Chlorotoluene	mg/kg	0.0243	0.0247	97.0	77.3-120	1.48	20	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.148	98.0	70.4-137	19.2	20	WG727846
Acetone	mg/kg	0.0989	0.122	79.0	35.1-175	21.2	26.1	WG727846
Acrylonitrile	mg/kg	0.118	0.141	95.0	56.4-128	17.5	20	WG727846
Benzene	mg/kg	0.0228	0.0236	91.0	77.1-121	3.49	20	WG727846
Bromobenzene	mg/kg	0.0236	0.0240	94.0	78.2-115	1.71	20	WG727846
Bromodichloromethane	mg/kg	0.0235	0.0249	94.0	74.9-115	5.68	20	WG727846
Bromoform	mg/kg	0.0266	0.0283	106.	65.9-132	6.23	20	WG727846
Bromomethane	mg/kg	0.0202	0.0205	81.0	48.7-165	1.11	20	WG727846
Carbon tetrachloride	mg/kg	0.0251	0.0260	100.	70-124	3.52	20	WG727846
Chlorobenzene	mg/kg	0.0243	0.0250	97.0	79.1-119	2.94	20	WG727846
Chlorodibromomethane	mg/kg	0.0253	0.0264	101.	73.5-121	4.28	20	WG727846
Chloroethane	mg/kg	0.0190	0.0192	76.0	66.2-132	1.12	20	WG727846
Chloroform	mg/kg	0.0240	0.0246	96.0	76.7-122	2.53	20	WG727846
Chloromethane	mg/kg	0.0175	0.0180	70.0	63.4-131	2.92	20	WG727846
cis-1,2-Dichloroethene	mg/kg	0.0244	0.0252	97.0	78.2-119	3.40	20	WG727846
cis-1,3-Dichloropropene	mg/kg	0.0236	0.0250	94.0	79.6-120	5.68	20	WG727846
Di-isopropyl ether	mg/kg	0.0219	0.0229	88.0	70.4-133	4.52	20	WG727846
Dibromomethane	mg/kg	0.0244	0.0266	98.0	79.4-120	8.62	20	WG727846
Dichlorodifluoromethane	mg/kg	0.0200	0.0198	80.0	57.1-137	0.620	20	WG727846
Ethylbenzene	mg/kg	0.0241	0.0247	96.0	79.7-122	2.44	20	WG727846

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Quality Assurance Report
Level II

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Hexachloro-1,3-butadiene	mg/kg	0.0231	0.0232	92.0	68.2-123	0.400	20	WG727846
Isopropylbenzene	mg/kg	0.0238	0.0247	95.0	80-135	3.78	20	WG727846
Methyl tert-butyl ether	mg/kg	0.0236	0.0253	94.0	73-129	6.87	20	WG727846
Methylene Chloride	mg/kg	0.0232	0.0242	93.0	72.6-120	4.15	20	WG727846
n-Butylbenzene	mg/kg	0.0237	0.0244	95.0	77.5-126	2.64	20	WG727846
n-Propylbenzene	mg/kg	0.0238	0.0246	95.0	77.9-123	3.15	20	WG727846
Naphthalene	mg/kg	0.0246	0.0273	98.0	69.8-128	10.4	20	WG727846
p-Isopropyltoluene	mg/kg	0.0243	0.0247	97.0	75.8-129	1.54	20	WG727846
sec-Butylbenzene	mg/kg	0.0245	0.0249	98.0	75.8-126	1.74	20	WG727846
Styrene	mg/kg	0.0234	0.0242	94.0	82.4-126	3.20	20	WG727846
tert-Butylbenzene	mg/kg	0.0239	0.0250	96.0	76.4-126	4.54	20	WG727846
Tetrachloroethene	mg/kg	0.0226	0.0231	90.0	73.9-125	2.11	20	WG727846
Toluene	mg/kg	0.0226	0.0236	90.0	79.7-118	4.21	20	WG727846
trans-1,2-Dichloroethene	mg/kg	0.0230	0.0235	92.0	73.8-122	2.13	20	WG727846
trans-1,3-Dichloropropene	mg/kg	0.0243	0.0259	97.0	75.9-124	6.11	20	WG727846
Trichloroethene	mg/kg	0.0233	0.0241	93.0	77.9-118	3.34	20	WG727846
Trichlorofluoromethane	mg/kg	0.0223	0.0222	89.0	67.7-131	0.100	20	WG727846
Vinyl chloride	mg/kg	0.0180	0.0186	72.0	66.7-130	3.56	20	WG727846
Xylenes, Total	mg/kg	0.0714	0.0735	95.0	78.8-121	2.95	20	WG727846
4-Bromofluorobenzene				97.20	71-126			WG727846
Dibromofluoromethane				99.10	78.3-121			WG727846
Toluene-d8				96.50	88.5-111			WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0288	0.0267	115.	72.9-124	7.76	20	WG727960
1,1,1-Trichloroethane	mg/kg	0.0286	0.0294	114.	73.7-124	2.51	20	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	0.0302	0.0267	121.	69.4-122	12.6	20	WG727960
1,1,2-Trichloroethane	mg/kg	0.0294	0.0255	118.	79.1-118	14.1	20	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0323	0.0327	129.	70-146	1.16	20	WG727960
1,1-Dichloroethane	mg/kg	0.0293	0.0301	117.	75-124	2.81	20	WG727960
1,1-Dichloroethene	mg/kg	0.0300	0.0297	120.	70.4-129	0.740	20	WG727960
1,1-Dichloropropene	mg/kg	0.0288	0.0287	115.	74.9-124	0.460	20	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0277	0.0269	111.	69.3-131	3.07	20	WG727960
1,2,3-Trichloropropane	mg/kg	0.0286	0.0240	114.	71.4-123	17.7	20	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0289	0.0280	115*	73.6-113	2.89	20	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0288	0.0269	115.	71.9-137	6.97	20	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0269	0.0248	108.	75.5-122	8.22	20	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0298	0.0263	119.	62.8-133	12.3	20	WG727960
1,2-Dibromoethane	mg/kg	0.0280	0.0242	112.	78.6-120	14.3	20	WG727960
1,2-Dichlorobenzene	mg/kg	0.0293	0.0284	117.	78.3-118	3.05	20	WG727960
1,2-Dichloroethane	mg/kg	0.0298	0.0282	119.	70.1-124	5.52	20	WG727960
1,2-Dichloropropane	mg/kg	0.0289	0.0292	116.	77.9-119	0.900	20	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0284	0.0268	114.	75.9-124	5.62	20	WG727960
1,3-Dichlorobenzene	mg/kg	0.0277	0.0266	111.	72-126	4.08	20	WG727960
1,3-Dichloropropane	mg/kg	0.0264	0.0233	106.	79.1-117	12.5	20	WG727960
1,4-Dichlorobenzene	mg/kg	0.0267	0.0261	107.	78.3-117	2.11	20	WG727960
2,2-Dichloropropane	mg/kg	0.0312	0.0297	125.	61.3-136	4.66	20	WG727960
2-Butanone (MEK)	mg/kg	0.123	0.138	98.0	53.7-153	11.4	21.2	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.136	0.126	109.	37.7-157	7.81	20	WG727960
2-Chlorotoluene	mg/kg	0.0281	0.0271	112.	75.6-121	3.71	20	WG727960
4-Chlorotoluene	mg/kg	0.0280	0.0257	112.	77.3-120	8.26	20	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.150	0.129	120.	70.4-137	14.5	20	WG727960
Acetone	mg/kg	0.133	0.117	106.	35.1-175	12.4	26.1	WG727960
Acrylonitrile	mg/kg	0.156	0.142	125.	56.4-128	9.40	20	WG727960
Benzene	mg/kg	0.0274	0.0275	110.	77.1-121	0.240	20	WG727960
Bromobenzene	mg/kg	0.0271	0.0253	108.	78.2-115	6.88	20	WG727960
Bromodichloromethane	mg/kg	0.0278	0.0278	111.	74.9-115	0.200	20	WG727960
Bromoform	mg/kg	0.0280	0.0246	112.	65.9-132	13.0	20	WG727960
Bromomethane	mg/kg	0.0268	0.0265	107.	48.7-165	0.960	20	WG727960

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Level II

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Carbon tetrachloride	mg/kg	0.0299	0.0305	120.	70-124	1.72	20	WG727960
Chlorobenzene	mg/kg	0.0277	0.0264	111.	79.1-119	4.95	20	WG727960
Chlorodibromomethane	mg/kg	0.0286	0.0247	114.	73.5-121	14.4	20	WG727960
Chloroethane	mg/kg	0.0252	0.0270	101.	66.2-132	6.96	20	WG727960
Chloroform	mg/kg	0.0284	0.0286	113.	76.7-122	0.860	20	WG727960
Chloromethane	mg/kg	0.0279	0.0269	112.	63.4-131	3.45	20	WG727960
cis-1,2-Dichloroethene	mg/kg	0.0287	0.0300	115.	78.2-119	4.33	20	WG727960
cis-1,3-Dichloropropene	mg/kg	0.0279	0.0271	112.	79.6-120	2.95	20	WG727960
Di-isopropyl ether	mg/kg	0.0300	0.0298	120.	70.4-133	0.640	20	WG727960
Dibromomethane	mg/kg	0.0286	0.0271	114.	79.4-120	5.30	20	WG727960
Dichlorodifluoromethane	mg/kg	0.0284	0.0282	114.	57.1-137	0.800	20	WG727960
Ethylbenzene	mg/kg	0.0267	0.0243	107.	79.7-122	9.47	20	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0291	0.0284	116.	68.2-123	2.43	20	WG727960
Isopropylbenzene	mg/kg	0.0279	0.0266	112.	80-135	4.98	20	WG727960
Methyl tert-butyl ether	mg/kg	0.0297	0.0285	119.	73-129	4.15	20	WG727960
Methylene Chloride	mg/kg	0.0274	0.0281	109.	72.6-120	2.58	20	WG727960
n-Butylbenzene	mg/kg	0.0289	0.0278	116.	77.5-126	3.91	20	WG727960
n-Propylbenzene	mg/kg	0.0280	0.0262	112.	77.9-123	6.86	20	WG727960
Naphthalene	mg/kg	0.0297	0.0271	119.	69.8-128	9.33	20	WG727960
p-Isopropyltoluene	mg/kg	0.0277	0.0261	111.	75.8-129	6.12	20	WG727960
sec-Butylbenzene	mg/kg	0.0281	0.0266	112.	75.8-126	5.52	20	WG727960
Styrene	mg/kg	0.0280	0.0261	112.	82.4-126	7.11	20	WG727960
tert-Butylbenzene	mg/kg	0.0282	0.0266	113.	76.4-126	5.96	20	WG727960
Tetrachloroethene	mg/kg	0.0267	0.0252	107.	73.9-125	5.81	20	WG727960
Toluene	mg/kg	0.0271	0.0269	108.	79.7-118	0.630	20	WG727960
trans-1,2-Dichloroethene	mg/kg	0.0291	0.0301	116.	73.8-122	3.32	20	WG727960
trans-1,3-Dichloropropene	mg/kg	0.0267	0.0262	107.	75.9-124	2.00	20	WG727960
Trichloroethene	mg/kg	0.0285	0.0282	114.	77.9-118	1.14	20	WG727960
Trichlorofluoromethane	mg/kg	0.0278	0.0287	111.	67.7-131	3.41	20	WG727960
Vinyl chloride	mg/kg	0.0271	0.0267	108.	66.7-130	1.36	20	WG727960
Xylenes, Total	mg/kg	0.0793	0.0754	106.	78.8-121	5.00	20	WG727960
4-Bromofluorobenzene				103.0	71-126			WG727960
Dibromofluoromethane				108.0	78.3-121			WG727960
Toluene-d8				99.40	88.5-111			WG727960
Acenaphthene	mg/kg	0.353	0.346	88.0	50.7-125	1.87	20	WG727937
Acenaphthylene	mg/kg	0.363	0.354	91.0	51.3-126	2.39	20	WG727937
Anthracene	mg/kg	0.383	0.390	96.0	50.5-130	1.88	20	WG727937
Benzo(a)anthracene	mg/kg	0.338	0.338	84.0	54.1-127	0.0500	20	WG727937
Benzo(a)pyrene	mg/kg	0.360	0.373	90.0	54.8-127	3.49	20	WG727937
Benzo(b)fluoranthene	mg/kg	0.385	0.392	96.0	56.1-125	1.75	20	WG727937
Benzo(g,h,i)perylene	mg/kg	0.424	0.444	106.	53.3-132	4.48	20	WG727937
Benzo(k)fluoranthene	mg/kg	0.341	0.358	85.0	50.9-129	4.80	20	WG727937
Chrysene	mg/kg	0.334	0.337	83.0	55.3-126	1.02	20	WG727937
Dibenz(a,h)anthracene	mg/kg	0.412	0.428	103.	52.3-133	3.84	20	WG727937
Fluoranthene	mg/kg	0.422	0.436	105.	50.1-135	3.21	20	WG727937
Fluorene	mg/kg	0.396	0.387	99.0	52.3-125	2.27	20	WG727937
Indeno(1,2,3-cd)pyrene	mg/kg	0.410	0.420	102.	50.1-135	2.48	20	WG727937
Naphthalene	mg/kg	0.365	0.362	91.0	47.8-121	0.850	20	WG727937
Phenanthrene	mg/kg	0.381	0.388	95.0	56-122	1.69	20	WG727937
Pyrene	mg/kg	0.344	0.348	86.0	55.6-129	1.06	20	WG727937
2-Fluorobiphenyl				93.20	41.4-134			WG727937
Nitrobenzene-d5				75.20	28.3-148			WG727937
p-Terphenyl-d14				89.40	35.8-140			WG727937
PCB 1016	mg/kg	0.175	0.171	105.	63.2-118	2.44	20	WG727931
PCB 1260	mg/kg	0.157	0.153	94.0	64.6-123	2.76	20.8	WG727931

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Decachlorobiphenyl				80.90	10-145			
Tetrachloro-m-xylene				99.80	21.1-148			
1,1,1,2-Tetrachloroethane	mg/kg	0.0255	0.0252	102.	72.9-124	1.20	20	WG727287
1,1,1-Trichloroethane	mg/kg	0.0219	0.0229	87.0	73.7-124	4.71	20	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.0260	0.0273	104.	69.4-122	4.60	20	WG727287
1,1,2-Trichloroethane	mg/kg	0.0248	0.0247	99.0	79.1-118	0.500	20	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0219	0.0224	88.0	70-146	1.97	20	WG727287
1,1-Dichloroethane	mg/kg	0.0218	0.0221	87.0	75-124	1.73	20	WG727287
1,1-Dichloroethene	mg/kg	0.0231	0.0239	92.0	70.4-129	3.43	20	WG727287
1,1-Dichloropropene	mg/kg	0.0209	0.0218	84.0	74.9-124	4.37	20	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0208	0.0225	83.0	69.3-131	7.98	20	WG727287
1,2,3-Trichloropropane	mg/kg	0.0257	0.0271	103.	71.4-123	5.53	20	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0230	0.0240	92.0	73.6-113	4.15	20	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0214	0.0224	85.0	71.9-137	4.86	20	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.0251	0.0255	100.	75.5-122	1.78	20	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.0225	0.0242	90.0	62.8-133	7.44	20	WG727287
1,2-Dibromoethane	mg/kg	0.0260	0.0275	104.	78.6-120	5.54	20	WG727287
1,2-Dichlorobenzene	mg/kg	0.0229	0.0243	92.0	78.3-118	5.99	20	WG727287
1,2-Dichloroethane	mg/kg	0.0237	0.0241	95.0	70.1-124	1.80	20	WG727287
1,2-Dichloropropane	mg/kg	0.0252	0.0250	101.	77.9-119	0.590	20	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.0253	0.0256	101.	75.9-124	1.14	20	WG727287
1,3-Dichlorobenzene	mg/kg	0.0253	0.0264	101.	72-126	4.39	20	WG727287
1,3-Dichloropropane	mg/kg	0.0247	0.0252	99.0	79.1-117	1.83	20	WG727287
1,4-Dichlorobenzene	mg/kg	0.0237	0.0247	95.0	78.3-117	4.45	20	WG727287
2,2-Dichloropropane	mg/kg	0.0217	0.0221	87.0	61.3-136	1.90	20	WG727287
2-Butanone (MEK)	mg/kg	0.124	0.127	99.0	53.7-153	2.10	21.2	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.131	0.137	105.	37.7-157	3.94	20	WG727287
2-Chlorotoluene	mg/kg	0.0250	0.0266	100.	75.6-121	6.38	20	WG727287
4-Chlorotoluene	mg/kg	0.0245	0.0252	98.0	77.3-120	2.79	20	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.143	0.145	114.	70.4-137	1.60	20	WG727287
Acetone	mg/kg	0.108	0.107	86.0	35.1-175	0.110	26.1	WG727287
Acrylonitrile	mg/kg	0.115	0.118	92.0	56.4-128	2.78	20	WG727287
Benzene	mg/kg	0.0209	0.0213	84.0	77.1-121	2.14	20	WG727287
Bromobenzene	mg/kg	0.0238	0.0246	95.0	78.2-115	3.29	20	WG727287
Bromodichloromethane	mg/kg	0.0238	0.0237	95.0	74.9-115	0.470	20	WG727287
Bromoform	mg/kg	0.0271	0.0282	108.	65.9-132	4.01	20	WG727287
Bromomethane	mg/kg	0.0291	0.0291	116.	48.7-165	0.0500	20	WG727287
Carbon tetrachloride	mg/kg	0.0213	0.0220	85.0	70-124	2.99	20	WG727287
Chlorobenzene	mg/kg	0.0255	0.0258	102.	79.1-119	1.37	20	WG727287
Chlorodibromomethane	mg/kg	0.0257	0.0264	103.	73.5-121	2.84	20	WG727287
Chloroethane	mg/kg	0.0261	0.0258	104.	66.2-132	1.26	20	WG727287
Chloroform	mg/kg	0.0217	0.0222	87.0	76.7-122	2.23	20	WG727287
Chloromethane	mg/kg	0.0182	0.0195	73.0	63.4-131	6.59	20	WG727287
cis-1,2-Dichloroethene	mg/kg	0.0215	0.0222	86.0	78.2-119	3.27	20	WG727287
cis-1,3-Dichloropropene	mg/kg	0.0256	0.0257	102.	79.6-120	0.320	20	WG727287
Di-isopropyl ether	mg/kg	0.0228	0.0233	91.0	70.4-133	2.24	20	WG727287
Dibromomethane	mg/kg	0.0251	0.0252	100.	79.4-120	0.430	20	WG727287
Dichlorodifluoromethane	mg/kg	0.0197	0.0201	79.0	57.1-137	1.59	20	WG727287
Ethylbenzene	mg/kg	0.0248	0.0258	99.0	79.7-122	3.97	20	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0209	0.0225	84.0	68.2-123	7.17	20	WG727287
Isopropylbenzene	mg/kg	0.0251	0.0254	100.	80-135	1.46	20	WG727287
Methyl tert-butyl ether	mg/kg	0.0230	0.0237	92.0	73-129	3.24	20	WG727287
Methylene Chloride	mg/kg	0.0201	0.0205	80.0	72.6-120	1.85	20	WG727287
n-Butylbenzene	mg/kg	0.0226	0.0239	90.0	77.5-126	5.25	20	WG727287
n-Propylbenzene	mg/kg	0.0245	0.0251	98.0	77.9-123	2.34	20	WG727287
Naphthalene	mg/kg	0.0205	0.0223	82.0	69.8-128	8.25	20	WG727287
p-Isopropyltoluene	mg/kg	0.0259	0.0267	104.	75.8-129	3.15	20	WG727287
sec-Butylbenzene	mg/kg	0.0253	0.0257	101.	75.8-126	1.42	20	WG727287
Styrene	mg/kg	0.0261	0.0270	104.	82.4-126	3.30	20	WG727287

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Level II

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
tert-Butylbenzene	mg/kg	0.0257	0.0260	103.	76.4-126	1.51	20	WG727287
Tetrachloroethene	mg/kg	0.0249	0.0255	100.	73.9-125	2.46	20	WG727287
Toluene	mg/kg	0.0241	0.0240	96.0	79.7-118	0.630	20	WG727287
trans-1,2-Dichloroethene	mg/kg	0.0207	0.0214	83.0	73.8-122	3.28	20	WG727287
trans-1,3-Dichloropropene	mg/kg	0.0272	0.0275	109.	75.9-124	1.08	20	WG727287
Trichloroethene	mg/kg	0.0233	0.0237	93.0	77.9-118	1.87	20	WG727287
Trichlorofluoromethane	mg/kg	0.0242	0.0241	97.0	67.7-131	0.410	20	WG727287
Vinyl chloride	mg/kg	0.0204	0.0206	82.0	66.7-130	0.890	20	WG727287
Xylenes, Total	mg/kg	0.0749	0.0771	100.	78.8-121	2.93	20	WG727287
4-Bromofluorobenzene				96.70	71-126			WG727287
Dibromofluoromethane				90.10	78.3-121			WG727287
Toluene-d8				105.0	88.5-111			WG727287
Arsenic	mg/kg	251.	244.	106.	83.1-117	3.00	20	WG727715
Barium	mg/kg	260.	258.	103.	84.1-116	1.00	20	WG727715
Cadmium	mg/kg	191.	188.	100.	83.2-117	1.00	20	WG727715
Chromium	mg/kg	130.	128.	101.	81.3-118	2.00	20	WG727715
Lead	mg/kg	103.	101.	100.	83.1-117	2.00	20	WG727715
Selenium	mg/kg	118.	113.	107.	78.7-122	4.00	20	WG727715
Silver	mg/kg	47.5	46.4	100.	66.2-134	2.00	20	WG727715
Lead	mg/kg	100.	101.	97.0	83.1-117	0.0	20	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	43.5	43.4	72.0	50-100	0.250	20	WG727821
o-Terphenyl				71.60	50-150			WG727821
Acenaphthene	mg/kg	0.346	0.331	86.0	50.7-125	4.46	20	WG728031
Acenaphthylene	mg/kg	0.356	0.336	89.0	51.3-126	5.59	20	WG728031
Anthracene	mg/kg	0.345	0.336	86.0	50.5-130	2.49	20	WG728031
Benzo(a)anthracene	mg/kg	0.334	0.326	83.0	54.1-127	2.44	20	WG728031
Benzo(a)pyrene	mg/kg	0.347	0.338	87.0	54.8-127	2.68	20	WG728031
Benzo(b)fluoranthene	mg/kg	0.342	0.329	85.0	56.1-125	3.73	20	WG728031
Benzo(g,h,i)perylene	mg/kg	0.367	0.360	92.0	53.3-132	2.05	20	WG728031
Benzo(k)fluoranthene	mg/kg	0.333	0.327	83.0	50.9-129	1.69	20	WG728031
Chrysene	mg/kg	0.340	0.332	85.0	55.3-126	2.43	20	WG728031
Dibenz(a,h)anthracene	mg/kg	0.362	0.354	90.0	52.3-133	2.20	20	WG728031
Fluoranthene	mg/kg	0.335	0.330	84.0	50.1-135	1.71	20	WG728031
Fluorene	mg/kg	0.342	0.325	86.0	52.3-125	5.24	20	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.369	0.354	92.0	50.1-135	4.16	20	WG728031
Naphthalene	mg/kg	0.308	0.305	77.0	47.8-121	1.08	20	WG728031
Phenanthrene	mg/kg	0.336	0.328	84.0	56-122	2.50	20	WG728031
Pyrene	mg/kg	0.360	0.347	90.0	55.6-129	3.51	20	WG728031
2-Fluorobiphenyl				86.60	41.4-134			WG728031
Nitrobenzene-d5				83.40	28.3-148			WG728031
p-Terphenyl-d14				95.20	35.8-140			WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.0254	0.0254	102.	72.9-124	0.280	20	WG728250
1,1,1-Trichloroethane	mg/kg	0.0245	0.0242	98.0	73.7-124	1.01	20	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.0236	0.0237	94.0	69.4-122	0.780	20	WG728250
1,1,2-Trichloroethane	mg/kg	0.0262	0.0266	105.	79.1-118	1.67	20	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0242	0.0241	97.0	70-146	0.390	20	WG728250
1,1-Dichloroethane	mg/kg	0.0248	0.0246	99.0	75-124	0.680	20	WG728250
1,1-Dichloroethene	mg/kg	0.0237	0.0238	95.0	70.4-129	0.260	20	WG728250
1,1-Dichloropropene	mg/kg	0.0239	0.0236	96.0	74.9-124	1.43	20	WG728250

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2,3-Trichlorobenzene	mg/kg	0.0231	0.0228	92.0	69.3-131	1.21	20	WG728250
1,2,3-Trichloropropane	mg/kg	0.0267	0.0253	107.	71.4-123	5.26	20	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.0255	0.0252	102.	73.6-113	1.11	20	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0243	0.0241	97.0	71.9-137	0.900	20	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.0244	0.0239	98.0	75.5-122	1.94	20	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.0222	0.0226	89.0	62.8-133	1.64	20	WG728250
1,2-Dibromoethane	mg/kg	0.0252	0.0247	101.	78.6-120	2.08	20	WG728250
1,2-Dichlorobenzene	mg/kg	0.0261	0.0257	104.	78.3-118	1.35	20	WG728250
1,2-Dichloroethane	mg/kg	0.0248	0.0243	99.0	70.1-124	2.09	20	WG728250
1,2-Dichloropropane	mg/kg	0.0242	0.0241	97.0	77.9-119	0.340	20	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.0251	0.0244	100.	75.9-124	2.52	20	WG728250
1,3-Dichlorobenzene	mg/kg	0.0249	0.0246	100.	72-126	1.32	20	WG728250
1,3-Dichloropropane	mg/kg	0.0250	0.0247	100.	79.1-117	1.22	20	WG728250
1,4-Dichlorobenzene	mg/kg	0.0264	0.0253	106.	78.3-117	4.38	20	WG728250
2,2-Dichloropropane	mg/kg	0.0249	0.0233	100.	61.3-136	6.66	20	WG728250
2-Butanone (MEK)	mg/kg	0.111	0.111	89.0	53.7-153	0.380	21.2	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.133	0.130	106.	37.7-157	2.00	20	WG728250
2-Chlorotoluene	mg/kg	0.0253	0.0245	101.	75.6-121	3.06	20	WG728250
4-Chlorotoluene	mg/kg	0.0249	0.0238	99.0	77.3-120	4.44	20	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.122	98.0	70.4-137	0.760	20	WG728250
Acetone	mg/kg	0.106	0.111	85.0	35.1-175	4.70	26.1	WG728250
Acrylonitrile	mg/kg	0.111	0.114	88.0	56.4-128	2.62	20	WG728250
Benzene	mg/kg	0.0241	0.0238	96.0	77.1-121	1.37	20	WG728250
Bromobenzene	mg/kg	0.0244	0.0237	98.0	78.2-115	2.94	20	WG728250
Bromodichloromethane	mg/kg	0.0251	0.0244	100.	74.9-115	2.62	20	WG728250
Bromoform	mg/kg	0.0245	0.0241	98.0	65.9-132	1.93	20	WG728250
Bromomethane	mg/kg	0.0326	0.0313	130.	48.7-165	4.11	20	WG728250
Carbon tetrachloride	mg/kg	0.0240	0.0238	96.0	70-124	1.06	20	WG728250
Chlorobenzene	mg/kg	0.0266	0.0264	106.	79.1-119	0.570	20	WG728250
Chlorodibromomethane	mg/kg	0.0252	0.0255	101.	73.5-121	1.17	20	WG728250
Chloroethane	mg/kg	0.0262	0.0260	105.	66.2-132	0.830	20	WG728250
Chloroform	mg/kg	0.0248	0.0246	99.0	76.7-122	0.650	20	WG728250
Chloromethane	mg/kg	0.0210	0.0207	84.0	63.4-131	1.34	20	WG728250
cis-1,2-Dichloroethene	mg/kg	0.0260	0.0257	104.	78.2-119	1.10	20	WG728250
cis-1,3-Dichloropropene	mg/kg	0.0251	0.0248	100.	79.6-120	0.870	20	WG728250
Di-isopropyl ether	mg/kg	0.0242	0.0241	97.0	70.4-133	0.480	20	WG728250
Dibromomethane	mg/kg	0.0256	0.0257	102.	79.4-120	0.580	20	WG728250
Dichlorodifluoromethane	mg/kg	0.0218	0.0210	87.0	57.1-137	3.82	20	WG728250
Ethylbenzene	mg/kg	0.0251	0.0250	100.	79.7-122	0.440	20	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0222	0.0221	89.0	68.2-123	0.480	20	WG728250
Isopropylbenzene	mg/kg	0.0247	0.0244	99.0	80-135	1.18	20	WG728250
Methyl tert-butyl ether	mg/kg	0.0255	0.0252	102.	73-129	1.30	20	WG728250
Methylene Chloride	mg/kg	0.0258	0.0254	103.	72.6-120	1.62	20	WG728250
n-Butylbenzene	mg/kg	0.0236	0.0237	94.0	77.5-126	0.600	20	WG728250
n-Propylbenzene	mg/kg	0.0247	0.0241	99.0	77.9-123	2.12	20	WG728250
Naphthalene	mg/kg	0.0228	0.0227	91.0	69.8-128	0.480	20	WG728250
p-Isopropyltoluene	mg/kg	0.0236	0.0233	94.0	75.8-129	1.55	20	WG728250
sec-Butylbenzene	mg/kg	0.0241	0.0237	96.0	75.8-126	1.72	20	WG728250
Styrene	mg/kg	0.0257	0.0254	103.	82.4-126	0.980	20	WG728250
tert-Butylbenzene	mg/kg	0.0238	0.0231	95.0	76.4-126	2.90	20	WG728250
Tetrachloroethene	mg/kg	0.0262	0.0263	105.	73.9-125	0.390	20	WG728250
Toluene	mg/kg	0.0250	0.0248	100.	79.7-118	0.610	20	WG728250
trans-1,2-Dichloroethene	mg/kg	0.0240	0.0240	96.0	73.8-122	0.0500	20	WG728250
trans-1,3-Dichloropropene	mg/kg	0.0252	0.0245	101.	75.9-124	2.76	20	WG728250
Trichloroethene	mg/kg	0.0257	0.0258	103.	77.9-118	0.370	20	WG728250
Trichlorofluoromethane	mg/kg	0.0251	0.0242	100.	67.7-131	3.70	20	WG728250
Vinyl chloride	mg/kg	0.0217	0.0213	87.0	66.7-130	2.04	20	WG728250
Xylenes, Total	mg/kg	0.0753	0.0750	100.	78.8-121	0.480	20	WG728250
4-Bromofluorobenzene				94.10	71-126			WG728250

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Nathan Peterson
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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Dibromofluoromethane				95.70	78.3-121			
Toluene-d8				97.40	88.5-111			
TPH (GC/FID) Low Fraction	mg/kg	0.587	0.591	59.0	50-100	0.680	20	WG727346
a,a,a-Trifluorotoluene(FID)				99.70	50-150			WG727346
1,1,1,2-Tetrachloroethane	mg/kg	0.0288	0.0279	115.	72.9-124	3.26	20	WG727848
1,1,1-Trichloroethane	mg/kg	0.0233	0.0223	93.0	73.7-124	4.23	20	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.0265	0.0267	106.	69.4-122	0.560	20	WG727848
1,1,2-Trichloroethane	mg/kg	0.0273	0.0272	109.	79.1-118	0.310	20	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0238	0.0227	95.0	70-146	4.56	20	WG727848
1,1-Dichloroethane	mg/kg	0.0224	0.0218	89.0	75-124	2.57	20	WG727848
1,1-Dichloroethene	mg/kg	0.0208	0.0203	83.0	70.4-129	2.64	20	WG727848
1,1-Dichloropropene	mg/kg	0.0227	0.0219	91.0	74.9-124	3.20	20	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0289	0.0281	116.	69.3-131	2.94	20	WG727848
1,2,3-Trichloropropane	mg/kg	0.0271	0.0264	108.	71.4-123	2.79	20	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.0243	0.0233	97.0	73.6-113	4.17	20	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0280	0.0275	112.	71.9-137	1.83	20	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.0268	0.0259	107.	75.5-122	3.54	20	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.0269	0.0269	107.	62.8-133	0.130	20	WG727848
1,2-Dibromoethane	mg/kg	0.0284	0.0273	114.	78.6-120	4.20	20	WG727848
1,2-Dichlorobenzene	mg/kg	0.0268	0.0256	107.	78.3-118	4.61	20	WG727848
1,2-Dichloroethane	mg/kg	0.0212	0.0211	85.0	70.1-124	0.410	20	WG727848
1,2-Dichloropropane	mg/kg	0.0236	0.0235	94.0	77.9-119	0.570	20	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.0266	0.0259	106.	75.9-124	2.76	20	WG727848
1,3-Dichlorobenzene	mg/kg	0.0286	0.0281	114.	72-126	1.79	20	WG727848
1,3-Dichloropropane	mg/kg	0.0257	0.0254	103.	79.1-117	1.30	20	WG727848
1,4-Dichlorobenzene	mg/kg	0.0255	0.0244	102.	78.3-117	4.03	20	WG727848
2,2-Dichloropropane	mg/kg	0.0227	0.0211	91.0	61.3-136	7.35	20	WG727848
2-Butanone (MEK)	mg/kg	0.0980	0.0999	78.0	53.7-153	1.84	21.2	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.136	0.139	109.	37.7-157	2.41	20	WG727848
2-Chlorotoluene	mg/kg	0.0284	0.0275	113.	75.6-121	3.15	20	WG727848
4-Chlorotoluene	mg/kg	0.0256	0.0249	102.	77.3-120	2.45	20	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.107	0.111	86.0	70.4-137	3.27	20	WG727848
Acetone	mg/kg	0.0949	0.0981	76.0	35.1-175	3.40	26.1	WG727848
Acrylonitrile	mg/kg	0.111	0.111	89.0	56.4-128	0.0800	20	WG727848
Benzene	mg/kg	0.0232	0.0224	93.0	77.1-121	3.50	20	WG727848
Bromobenzene	mg/kg	0.0246	0.0238	98.0	78.2-115	3.16	20	WG727848
Bromodichloromethane	mg/kg	0.0238	0.0234	95.0	74.9-115	2.01	20	WG727848
Bromoform	mg/kg	0.0300	0.0300	120.	65.9-132	0.290	20	WG727848
Bromomethane	mg/kg	0.0232	0.0223	93.0	48.7-165	3.99	20	WG727848
Carbon tetrachloride	mg/kg	0.0242	0.0236	97.0	70-124	2.13	20	WG727848
Chlorobenzene	mg/kg	0.0283	0.0273	113.	79.1-119	3.41	20	WG727848
Chlorodibromomethane	mg/kg	0.0288	0.0285	115.	73.5-121	1.28	20	WG727848
Chloroethane	mg/kg	0.0191	0.0187	76.0	66.2-132	2.11	20	WG727848
Chloroform	mg/kg	0.0229	0.0220	92.0	76.7-122	3.93	20	WG727848
Chloromethane	mg/kg	0.0206	0.0203	82.0	63.4-131	1.33	20	WG727848
cis-1,2-Dichloroethene	mg/kg	0.0257	0.0252	103.	78.2-119	1.80	20	WG727848
cis-1,3-Dichloropropene	mg/kg	0.0248	0.0245	99.0	79.6-120	1.08	20	WG727848
Di-isopropyl ether	mg/kg	0.0206	0.0199	82.0	70.4-133	3.48	20	WG727848
Dibromomethane	mg/kg	0.0251	0.0253	100.	79.4-120	0.830	20	WG727848
Dichlorodifluoromethane	mg/kg	0.0231	0.0224	92.0	57.1-137	3.25	20	WG727848
Ethylbenzene	mg/kg	0.0281	0.0274	112.	79.7-122	2.49	20	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0269	0.0260	108.	68.2-123	3.40	20	WG727848
Isopropylbenzene	mg/kg	0.0269	0.0263	108.	80-135	2.25	20	WG727848
Methyl tert-butyl ether	mg/kg	0.0226	0.0222	90.0	73-129	1.52	20	WG727848
Methylene Chloride	mg/kg	0.0234	0.0227	93.0	72.6-120	2.98	20	WG727848
n-Butylbenzene	mg/kg	0.0246	0.0238	98.0	77.5-126	3.14	20	WG727848
n-Propylbenzene	mg/kg	0.0269	0.0258	108.	77.9-123	4.10	20	WG727848

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Naphthalene	mg/kg	0.0276	0.0275	110.	69.8-128	0.520	20	WG727848
p-Isopropyltoluene	mg/kg	0.0283	0.0276	113.	75.8-129	2.46	20	WG727848
sec-Butylbenzene	mg/kg	0.0275	0.0268	110.	75.8-126	2.57	20	WG727848
Styrene	mg/kg	0.0282	0.0276	113.	82.4-126	2.05	20	WG727848
tert-Butylbenzene	mg/kg	0.0278	0.0271	111.	76.4-126	2.58	20	WG727848
Tetrachloroethene	mg/kg	0.0299	0.0285	120.	73.9-125	4.79	20	WG727848
Toluene	mg/kg	0.0248	0.0242	99.0	79.7-118	2.35	20	WG727848
trans-1,2-Dichloroethene	mg/kg	0.0252	0.0242	101.	73.8-122	4.03	20	WG727848
trans-1,3-Dichloropropene	mg/kg	0.0281	0.0285	112.	75.9-124	1.54	20	WG727848
Trichloroethene	mg/kg	0.0259	0.0261	103.	77.9-118	0.890	20	WG727848
Trichlorofluoromethane	mg/kg	0.0224	0.0208	90.0	67.7-131	7.54	20	WG727848
Vinyl chloride	mg/kg	0.0202	0.0197	81.0	66.7-130	2.38	20	WG727848
Xylenes, Total	mg/kg	0.0830	0.0799	111.	78.8-121	3.74	20	WG727848
4-Bromofluorobenzene				98.00	71-126			WG727848
Dibromofluoromethane				91.30	78.3-121			WG727848
Toluene-d8				94.20	88.5-111			WG727848
Extractable Petroleum Hydrocarbon	mg/kg	54.0	51.2	90.0	50-100	5.39	20	WG728024
o-Terphenyl				85.80	50-150			WG728024
TPH (GC/FID) Low Fraction	mg/kg	0.568	0.661	57.0	50-100	15.1	20	WG727349
a,a,a-Trifluorotoluene(FID)				76.80	50-150			WG727349
PCB 1016	mg/kg	0.160	0.159	96.0	63.2-118	0.840	20	WG728030
PCB 1260	mg/kg	0.140	0.138	84.0	64.6-123	1.82	20.8	WG728030
Decachlorobiphenyl				71.80	10-145			WG728030
Tetrachloro-m-xylene				95.80	21.1-148			WG728030
Acenaphthene	mg/kg	0.406	0.387	102.	50.7-125	4.91	20	WG728071
Acenaphthylene	mg/kg	0.415	0.393	104.	51.3-126	5.30	20	WG728071
Anthracene	mg/kg	0.419	0.393	105.	50.5-130	6.33	20	WG728071
Benzo(a)anthracene	mg/kg	0.401	0.381	100.	54.1-127	5.14	20	WG728071
Benzo(a)pyrene	mg/kg	0.425	0.398	106.	54.8-127	6.54	20	WG728071
Benzo(b)fluoranthene	mg/kg	0.402	0.379	100.	56.1-125	5.96	20	WG728071
Benzo(g,h,i)perylene	mg/kg	0.438	0.417	109.	53.3-132	4.96	20	WG728071
Benzo(k)fluoranthene	mg/kg	0.404	0.379	101.	50.9-129	6.36	20	WG728071
Chrysene	mg/kg	0.412	0.390	103.	55.3-126	5.46	20	WG728071
Dibenz(a,h)anthracene	mg/kg	0.432	0.406	108.	52.3-133	6.23	20	WG728071
Fluoranthene	mg/kg	0.408	0.377	102.	50.1-135	7.99	20	WG728071
Fluorene	mg/kg	0.404	0.384	101.	52.3-125	5.08	20	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.442	0.410	110.	50.1-135	7.41	20	WG728071
Naphthalene	mg/kg	0.373	0.348	93.0	47.8-121	7.11	20	WG728071
Phenanthrene	mg/kg	0.401	0.380	100.	56-122	5.18	20	WG728071
Pyrene	mg/kg	0.467	0.448	117.	55.6-129	4.11	20	WG728071
2-Fluorobiphenyl				96.40	41.4-134			WG728071
Nitrobenzene-d5				89.90	28.3-148			WG728071
p-Terphenyl-d14				118.0	35.8-140			WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.600	0.630	60.0	50-100	4.83	20	WG728614
a,a,a-Trifluorotoluene(FID)				99.70	50-150			WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.588	0.578	59.0	50-100	1.60	20	WG728761
a,a,a-Trifluorotoluene(FID)				100.0	50-150			WG728761

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Extractable Petroleum Hydrocarbon	mg/kg	58.7	56.8	98.0	50-100	3.24	20	WG728630
o-Terphenyl				93.00	50-150			WG728630
Arsenic	mg/kg	248.	241.	104.	83.1-117	3.00	20	WG730928

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/kg	0.594	0.180	.5	83.0	80-120	L705224-01	WG727143
Mercury	mg/kg	0.398	0.0334	.5	73.0*	80-120	L705269-02	WG727205
1,1,1,2-Tetrachloroethane	mg/l	0.0294	0.0	.025	120.	64-128	L705328-01	WG727265
1,1,1-Trichloroethane	mg/l	0.0227	0.0	.025	91.0	58.7-134	L705328-01	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0262	0.0	.025	100.	56-132	L705328-01	WG727265
1,1,2-Trichloroethane	mg/l	0.0260	0.0	.025	100.	66.3-125	L705328-01	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0284	0.0	.025	110.	54.8-154	L705328-01	WG727265
1,1-Dichloroethane	mg/l	0.0229	0.0	.025	92.0	58.5-132	L705328-01	WG727265
1,1-Dichloroethene	mg/l	0.0298	0.0	.025	120.	51.1-140	L705328-01	WG727265
1,1-Dichloropropene	mg/l	0.0222	0.0	.025	89.0	57.3-136	L705328-01	WG727265
1,2,3-Trichlorobenzene	mg/l	0.0279	0.0	.025	110.	59.1-138	L705328-01	WG727265
1,2,3-Trichloropropane	mg/l	0.0269	0.0	.025	110.	61.4-128	L705328-01	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0205	0.000450	.025	80.0	61.3-122	L705328-01	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0279	0.0	.025	110.	63.6-143	L705328-01	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0268	0.0	.025	110.	57.4-137	L705328-01	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0280	0.0	.025	110.	57.3-136	L705328-01	WG727265
1,2-Dibromoethane	mg/l	0.0273	0.0	.025	110.	67.1-125	L705328-01	WG727265
1,2-Dichlorobenzene	mg/l	0.0251	0.0	.025	100.	68.2-123	L705328-01	WG727265
1,2-Dichloroethane	mg/l	0.0188	0.0	.025	75.0	60-126	L705328-01	WG727265
1,2-Dichloropropane	mg/l	0.0225	0.0	.025	90.0	64.2-123	L705328-01	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0276	0.0	.025	110.	63.6-132	L705328-01	WG727265
1,3-Dichlorobenzene	mg/l	0.0294	0.0	.025	120.	63.1-131	L705328-01	WG727265
1,3-Dichloropropane	mg/l	0.0244	0.0	.025	98.0	67.9-121	L705328-01	WG727265
1,4-Dichlorobenzene	mg/l	0.0245	0.0	.025	98.0	68.6-123	L705328-01	WG727265
2,2-Dichloropropane	mg/l	0.0241	0.0	.025	96.0	50.5-144	L705328-01	WG727265
2-Butanone (MEK)	mg/l	0.0940	0.0	.125	75.0	22.4-138	L705328-01	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0661	0.0	.125	53.0	10-155	L705328-01	WG727265
2-Chlorotoluene	mg/l	0.0294	0.0	.025	120.	63.6-128	L705328-01	WG727265
4-Chlorotoluene	mg/l	0.0250	0.0	.025	100.	65.7-127	L705328-01	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.126	0.0	.125	100.	60.8-140	L705328-01	WG727265
Acetone	mg/l	0.114	0.00284	.125	89.0	10-130	L705328-01	WG727265
Acrolein	mg/l	0.0870	0.0	.125	70.0	10-200	L705328-01	WG727265
Acrylonitrile	mg/l	0.114	0.0	.125	91.0	49.4-133	L705328-01	WG727265
Benzene	mg/l	0.0378	0.0199	.025	71.0	54.3-133	L705328-01	WG727265
Bromobenzene	mg/l	0.0238	0.0	.025	95.0	63.9-124	L705328-01	WG727265
Bromodichloromethane	mg/l	0.0223	0.0	.025	89.0	63.9-121	L705328-01	WG727265
Bromoform	mg/l	0.0318	0.0	.025	130.	59.5-134	L705328-01	WG727265
Bromomethane	mg/l	0.0305	0.0	.025	120.	41.7-155	L705328-01	WG727265
Carbon tetrachloride	mg/l	0.0232	0.0	.025	93.0	55.7-134	L705328-01	WG727265
Chlorobenzene	mg/l	0.0276	0.0	.025	110.	67-125	L705328-01	WG727265
Chlorodibromomethane	mg/l	0.0281	0.0	.025	110.	64.3-125	L705328-01	WG727265
Chloroethane	mg/l	0.0290	0.0	.025	120.	51.5-136	L705328-01	WG727265
Chloroform	mg/l	0.0201	0.0	.025	81.0	63-129	L705328-01	WG727265
Chloromethane	mg/l	0.0258	0.0	.025	100.	42.4-135	L705328-01	WG727265
cis-1,2-Dichloroethene	mg/l	0.0230	0.0	.025	92.0	59.2-129	L705328-01	WG727265
cis-1,3-Dichloropropene	mg/l	0.0254	0.0	.025	100.	66.4-125	L705328-01	WG727265

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Di-isopropyl ether	mg/l	0.0241	0.0	.025	96.0	56.9-136	L705328-01	WG727265
Dibromomethane	mg/l	0.0232	0.0	.025	93.0	68.2-124	L705328-01	WG727265
Dichlorodifluoromethane	mg/l	0.0236	0.0	.025	94.0	40.6-144	L705328-01	WG727265
Ethylbenzene	mg/l	0.0287	0.000428	.025	110.	61.4-133	L705328-01	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0276	0.0	.025	110.	55.1-136	L705328-01	WG727265
Isopropylbenzene	mg/l	0.0309	0.0	.025	120.	66.8-141	L705328-01	WG727265
Methyl tert-butyl ether	mg/l	0.0299	0.00735	.025	90.0	57.7-134	L705328-01	WG727265
Methylene Chloride	mg/l	0.0240	0.0	.025	96.0	58.1-122	L705328-01	WG727265
n-Butylbenzene	mg/l	0.0235	0.0	.025	94.0	62.7-140	L705328-01	WG727265
n-Propylbenzene	mg/l	0.0270	0.0	.025	110.	65.9-131	L705328-01	WG727265
Naphthalene	mg/l	0.0268	0.0	.025	110.	58-135	L705328-01	WG727265
p-Isopropyltoluene	mg/l	0.0303	0.0	.025	120.	63.2-139	L705328-01	WG727265
sec-Butylbenzene	mg/l	0.0290	0.0	.025	120.	62.2-136	L705328-01	WG727265
Styrene	mg/l	0.0285	0.0	.025	110.	66.8-133	L705328-01	WG727265
tert-Butylbenzene	mg/l	0.0286	0.0	.025	120.	63.3-134	L705328-01	WG727265
Tetrachloroethene	mg/l	0.0320	0.0	.025	130.	53-139	L705328-01	WG727265
Toluene	mg/l	0.0243	0.0	.025	97.0	61.4-130	L705328-01	WG727265
trans-1,2-Dichloroethene	mg/l	0.0254	0.0	.025	100.	56.5-129	L705328-01	WG727265
trans-1,3-Dichloropropene	mg/l	0.0273	0.0	.025	110.	64.1-128	L705328-01	WG727265
Trichloroethene	mg/l	0.0262	0.0	.025	100.	44.1-149	L705328-01	WG727265
Trichlorofluoromethane	mg/l	0.0308	0.0	.025	120.	49.6-145	L705328-01	WG727265
Vinyl chloride	mg/l	0.0270	0.0	.025	110.	47.8-137	L705328-01	WG727265
Xylenes, Total	mg/l	0.0837	0.000450	.075	110.	63.3-131	L705328-01	WG727265
4-Bromofluorobenzene					93.70	71-126		WG727265
Dibromofluoromethane					87.30	78.3-121		WG727265
Toluene-d8					96.60	88.5-111		WG727265
1,1,1,2-Tetrachloroethane	mg/kg	0.0227	0.0	.025	91.0	64-128	L705269-07	WG727286
1,1,1-Trichloroethane	mg/kg	0.0236	0.0	.025	94.0	58.7-134	L705269-07	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0351	0.0	.025	140.*	56-132	L705269-07	WG727286
1,1,2-Trichloroethane	mg/kg	0.0231	0.0	.025	92.0	66.3-125	L705269-07	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0246	0.0	.025	98.0	54.8-154	L705269-07	WG727286
1,1-Dichloroethane	mg/kg	0.0233	0.0	.025	93.0	58.5-132	L705269-07	WG727286
1,1-Dichloroethene	mg/kg	0.0225	0.0	.025	90.0	51.1-140	L705269-07	WG727286
1,1-Dichloropropene	mg/kg	0.0229	0.0	.025	92.0	57.3-136	L705269-07	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0222	0.0	.025	89.0	59.1-138	L705269-07	WG727286
1,2,3-Trichloropropane	mg/kg	0.0255	0.0	.025	100.	61.4-128	L705269-07	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0235	0.0	.025	94.0	61.3-122	L705269-07	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0212	0.0	.025	85.0	63.6-143	L705269-07	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0212	0.0	.025	85.0	57.4-137	L705269-07	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0218	0.0	.025	87.0	57.3-136	L705269-07	WG727286
1,2-Dibromoethane	mg/kg	0.0216	0.0	.025	86.0	67.1-125	L705269-07	WG727286
1,2-Dichlorobenzene	mg/kg	0.0231	0.0	.025	92.0	68.2-123	L705269-07	WG727286
1,2-Dichloroethane	mg/kg	0.0234	0.0	.025	94.0	60-126	L705269-07	WG727286
1,2-Dichloropropane	mg/kg	0.0230	0.0	.025	92.0	64.2-123	L705269-07	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0228	0.0	.025	91.0	63.6-132	L705269-07	WG727286
1,3-Dichlorobenzene	mg/kg	0.0216	0.0	.025	86.0	63.1-131	L705269-07	WG727286
1,3-Dichloropropane	mg/kg	0.0217	0.0	.025	87.0	67.9-121	L705269-07	WG727286
1,4-Dichlorobenzene	mg/kg	0.0216	0.0	.025	86.0	68.6-123	L705269-07	WG727286
2,2-Dichloropropane	mg/kg	0.0245	0.0	.025	98.0	50.5-144	L705269-07	WG727286
2-Butanone (MEK)	mg/kg	0.113	0.0	.125	90.0	22.4-138	L705269-07	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.115	0.0	.125	92.0	10-155	L705269-07	WG727286
2-Chlorotoluene	mg/kg	0.0232	0.0	.025	93.0	63.6-128	L705269-07	WG727286
4-Chlorotoluene	mg/kg	0.0215	0.0	.025	86.0	65.7-127	L705269-07	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.121	0.0	.125	97.0	60.8-140	L705269-07	WG727286
Acetone	mg/kg	0.110	0.00371	.125	85.0	10-130	L705269-07	WG727286
Acrylonitrile	mg/kg	0.123	0.0	.125	98.0	49.4-133	L705269-07	WG727286
Benzene	mg/kg	0.0217	0.0	.025	87.0	54.3-133	L705269-07	WG727286

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromobenzene	mg/kg	0.0208	0.0	.025	83.0	63.9-124	L705269-07	WG727286
Bromodichloromethane	mg/kg	0.0233	0.0	.025	93.0	63.9-121	L705269-07	WG727286
Bromoform	mg/kg	0.0222	0.0	.025	89.0	59.5-134	L705269-07	WG727286
Bromomethane	mg/kg	0.0216	0.0	.025	86.0	41.7-155	L705269-07	WG727286
Carbon tetrachloride	mg/kg	0.0242	0.0	.025	97.0	55.7-134	L705269-07	WG727286
Chlorobenzene	mg/kg	0.0221	0.0	.025	88.0	67-125	L705269-07	WG727286
Chlorodibromomethane	mg/kg	0.0231	0.0	.025	92.0	64.3-125	L705269-07	WG727286
Chloroethane	mg/kg	0.0217	0.0	.025	87.0	51.5-136	L705269-07	WG727286
Chloroform	mg/kg	0.0224	0.0	.025	90.0	63-129	L705269-07	WG727286
Chloromethane	mg/kg	0.0214	0.0	.025	86.0	42.4-135	L705269-07	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0258	0.00314	.025	91.0	59.2-129	L705269-07	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0237	0.0	.025	95.0	66.4-125	L705269-07	WG727286
Di-isopropyl ether	mg/kg	0.0236	0.0	.025	94.0	56.9-136	L705269-07	WG727286
Dibromomethane	mg/kg	0.0239	0.0	.025	96.0	68.2-124	L705269-07	WG727286
Dichlorodifluoromethane	mg/kg	0.0242	0.0	.025	97.0	40.6-144	L705269-07	WG727286
Ethylbenzene	mg/kg	0.0210	0.0	.025	84.0	61.4-133	L705269-07	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0235	0.0	.025	94.0	55.1-136	L705269-07	WG727286
Isopropylbenzene	mg/kg	0.0233	0.0	.025	93.0	66.8-141	L705269-07	WG727286
Methyl tert-butyl ether	mg/kg	0.0237	0.0	.025	95.0	57.7-134	L705269-07	WG727286
Methylene Chloride	mg/kg	0.0212	0.0	.025	85.0	58.1-122	L705269-07	WG727286
n-Butylbenzene	mg/kg	0.0246	0.0	.025	98.0	62.7-140	L705269-07	WG727286
n-Propylbenzene	mg/kg	0.0232	0.0	.025	93.0	10-176	L705269-07	WG727286
Naphthalene	mg/kg	0.0223	0.0	.025	89.0	58-135	L705269-07	WG727286
p-Isopropyltoluene	mg/kg	0.0226	0.0	.025	90.0	63.2-139	L705269-07	WG727286
sec-Butylbenzene	mg/kg	0.0243	0.0	.025	97.0	62.2-136	L705269-07	WG727286
Styrene	mg/kg	0.0221	0.0	.025	88.0	66.8-133	L705269-07	WG727286
tert-Butylbenzene	mg/kg	0.0245	0.000369	.025	97.0	63.3-134	L705269-07	WG727286
Tetrachloroethene	mg/kg	0.0365	0.0138	.025	91.0	53-139	L705269-07	WG727286
Toluene	mg/kg	0.0222	0.0	.025	89.0	61.4-130	L705269-07	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0225	0.0	.025	90.0	56.5-129	L705269-07	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0225	0.0	.025	90.0	64.1-128	L705269-07	WG727286
Trichloroethene	mg/kg	0.0259	0.00293	.025	92.0	44.1-149	L705269-07	WG727286
Trichlorofluoromethane	mg/kg	0.0238	0.0	.025	95.0	49.6-145	L705269-07	WG727286
Vinyl chloride	mg/kg	0.0219	0.0	.025	88.0	47.8-137	L705269-07	WG727286
Xylenes, Total	mg/kg	0.0643	0.0	.075	86.0	63.3-131	L705269-07	WG727286
4-Bromofluorobenzene					108.0	71-126		WG727286
Dibromofluoromethane					101.0	78.3-121		WG727286
Toluene-d8					102.0	88.5-111		WG727286
Acenaphthene	mg/kg	0.302	0.0	.4	76.0	48.3-126	L705269-07	WG727502
Acenaphthylene	mg/kg	0.287	0.0	.4	72.0	48.7-128	L705269-07	WG727502
Anthracene	mg/kg	0.326	0.0	.4	82.0	41-133	L705269-07	WG727502
Benzo(a)anthracene	mg/kg	0.308	0.0	.4	77.0	31.6-136	L705269-07	WG727502
Benzo(a)pyrene	mg/kg	0.311	0.0	.4	78.0	28-137	L705269-07	WG727502
Benzo(b)fluoranthene	mg/kg	0.301	0.0	.4	75.0	24-134	L705269-07	WG727502
Benzo(g,h,i)perylene	mg/kg	0.316	0.0	.4	79.0	19.1-139	L705269-07	WG727502
Benzo(k)fluoranthene	mg/kg	0.322	0.0	.4	80.0	30.4-134	L705269-07	WG727502
Chrysene	mg/kg	0.322	0.0	.4	80.0	32.4-137	L705269-07	WG727502
Dibenz(a,h)anthracene	mg/kg	0.334	0.0	.4	83.0	30.3-135	L705269-07	WG727502
Fluoranthene	mg/kg	0.285	0.0	.4	71.0	32.8-139	L705269-07	WG727502
Fluorene	mg/kg	0.284	0.0	.4	71.0	43-129	L705269-07	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.315	0.0	.4	79.0	22.3-139	L705269-07	WG727502
Naphthalene	mg/kg	0.315	0.00864	.4	76.0	38.1-135	L705269-07	WG727502
Phenanthrene	mg/kg	0.319	0.0	.4	80.0	36.2-134	L705269-07	WG727502
Pyrene	mg/kg	0.331	0.0	.4	83.0	30.3-144	L705269-07	WG727502
2-Fluorobiphenyl					73.80	41.4-134		WG727502
Nitrobenzene-d5					83.40	28.3-148		WG727502
p-Terphenyl-d14					87.50	35.8-140		WG727502

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Est. 1970

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Arsenic	mg/kg	42.7	4.94	50	75.0	75-125	L705269-07	WG727624
Barium	mg/kg	121.	83.4	50	75.0	75-125	L705269-07	WG727624
Cadmium	mg/kg	37.3	0.484	50	74.0*	75-125	L705269-07	WG727624
Chromium	mg/kg	59.4	21.9	50	75.0	75-125	L705269-07	WG727624
Lead	mg/kg	63.6	34.3	50	59.0*	75-125	L705269-07	WG727624
Selenium	mg/kg	44.0	6.78	50	74.0*	75-125	L705269-07	WG727624
Silver	mg/kg	37.7	-0.766	50	75.0	75-125	L705269-07	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.115	0.0	.025	92.0	64-128	L705745-04	WG727846
1,1,1-Trichloroethane	mg/kg	0.105	0.0	.025	84.0	58.7-134	L705745-04	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.139	0.0	.025	110.	56-132	L705745-04	WG727846
1,1,2-Trichloroethane	mg/kg	0.121	0.0	.025	96.0	66.3-125	L705745-04	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0976	0.0	.025	78.0	54.8-154	L705745-04	WG727846
1,1-Dichloroethane	mg/kg	0.106	0.0	.025	84.0	58.5-132	L705745-04	WG727846
1,1-Dichloroethene	mg/kg	0.0886	0.0	.025	71.0	51.1-140	L705745-04	WG727846
1,1-Dichloropropene	mg/kg	0.0994	0.0	.025	80.0	57.3-136	L705745-04	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.120	0.00154	.025	95.0	59.1-138	L705745-04	WG727846
1,2,3-Trichloropropane	mg/kg	0.138	0.0	.025	110.	61.4-128	L705745-04	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.112	0.000560	.025	89.0	61.3-122	L705745-04	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.111	0.00119	.025	87.0	63.6-143	L705745-04	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.114	0.000696	.025	90.0	57.4-137	L705745-04	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.144	0.0	.025	120.	57.3-136	L705745-04	WG727846
1,2-Dibromoethane	mg/kg	0.118	0.0	.025	94.0	67.1-125	L705745-04	WG727846
1,2-Dichlorobenzene	mg/kg	0.119	0.0	.025	95.0	68.2-123	L705745-04	WG727846
1,2-Dichloroethane	mg/kg	0.104	0.0	.025	83.0	60-126	L705745-04	WG727846
1,2-Dichloropropane	mg/kg	0.103	0.0	.025	82.0	64.2-123	L705745-04	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.113	0.000353	.025	90.0	63.6-132	L705745-04	WG727846
1,3-Dichlorobenzene	mg/kg	0.114	0.0	.025	91.0	63.1-131	L705745-04	WG727846
1,3-Dichloropropane	mg/kg	0.113	0.0	.025	90.0	67.9-121	L705745-04	WG727846
1,4-Dichlorobenzene	mg/kg	0.107	0.0	.025	86.0	68.6-123	L705745-04	WG727846
2,2-Dichloropropane	mg/kg	0.0931	0.0	.025	74.0	50.5-144	L705745-04	WG727846
2-Butanone (MEK)	mg/kg	0.552	0.0	.125	88.0	22.4-138	L705745-04	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.549	0.0	.125	88.0	10-155	L705745-04	WG727846
2-Chlorotoluene	mg/kg	0.0977	0.0	.025	78.0	63.6-128	L705745-04	WG727846
4-Chlorotoluene	mg/kg	0.111	0.0	.025	88.0	65.7-127	L705745-04	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.652	0.0	.125	100.	60.8-140	L705745-04	WG727846
Acetone	mg/kg	0.535	0.0132	.125	83.0	10-130	L705745-04	WG727846
Acrylonitrile	mg/kg	0.584	0.0	.125	94.0	49.4-133	L705745-04	WG727846
Benzene	mg/kg	0.103	0.0	.025	82.0	54.3-133	L705745-04	WG727846
Bromobenzene	mg/kg	0.110	0.0	.025	88.0	63.9-124	L705745-04	WG727846
Bromodichloromethane	mg/kg	0.111	0.0	.025	89.0	63.9-121	L705745-04	WG727846
Bromoform	mg/kg	0.130	0.0	.025	100.	59.5-134	L705745-04	WG727846
Bromomethane	mg/kg	0.0935	0.0	.025	75.0	41.7-155	L705745-04	WG727846
Carbon tetrachloride	mg/kg	0.111	0.0	.025	89.0	55.7-134	L705745-04	WG727846
Chlorobenzene	mg/kg	0.111	0.0	.025	89.0	67-125	L705745-04	WG727846
Chlorodibromomethane	mg/kg	0.120	0.0	.025	96.0	64.3-125	L705745-04	WG727846
Chloroethane	mg/kg	0.0879	0.0	.025	70.0	51.5-136	L705745-04	WG727846
Chloroform	mg/kg	0.110	0.0	.025	88.0	63-129	L705745-04	WG727846
Chloromethane	mg/kg	0.0816	0.0	.025	65.0	42.4-135	L705745-04	WG727846
cis-1,2-Dichloroethene	mg/kg	0.109	0.0	.025	88.0	59.2-129	L705745-04	WG727846
cis-1,3-Dichloropropene	mg/kg	0.113	0.0	.025	90.0	66.4-125	L705745-04	WG727846
Di-isopropyl ether	mg/kg	0.101	0.0	.025	81.0	56.9-136	L705745-04	WG727846
Dibromomethane	mg/kg	0.117	0.0	.025	93.0	68.2-124	L705745-04	WG727846
Dichlorodifluoromethane	mg/kg	0.0919	0.0	.025	74.0	40.6-144	L705745-04	WG727846
Ethylbenzene	mg/kg	0.111	0.0	.025	89.0	61.4-133	L705745-04	WG727846
Hexachloro-1,3-butadiene	mg/kg	0.0985	0.0	.025	79.0	55.1-136	L705745-04	WG727846
Isopropylbenzene	mg/kg	0.112	0.0	.025	90.0	66.8-141	L705745-04	WG727846
Methyl tert-butyl ether	mg/kg	0.109	0.0	.025	88.0	57.7-134	L705745-04	WG727846

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Methylene Chloride	mg/kg	0.106	0.000521	.025	84.0	58.1-122	L705745-04	WG727846
n-Butylbenzene	mg/kg	0.104	0.000367	.025	83.0	62.7-140	L705745-04	WG727846
n-Propylbenzene	mg/kg	0.108	0.0	.025	86.0	10-176	L705745-04	WG727846
Naphthalene	mg/kg	0.130	0.00291	.025	100.	58-135	L705745-04	WG727846
p-Isopropyltoluene	mg/kg	0.111	0.000342	.025	88.0	63.2-139	L705745-04	WG727846
sec-Butylbenzene	mg/kg	0.114	0.000356	.025	91.0	62.2-136	L705745-04	WG727846
Styrene	mg/kg	0.111	0.0	.025	89.0	66.8-133	L705745-04	WG727846
tert-Butylbenzene	mg/kg	0.116	0.0	.025	93.0	63.3-134	L705745-04	WG727846
Tetrachloroethene	mg/kg	0.0965	0.0	.025	77.0	53-139	L705745-04	WG727846
Toluene	mg/kg	0.103	0.000321	.025	82.0	61.4-130	L705745-04	WG727846
trans-1,2-Dichloroethene	mg/kg	0.101	0.0	.025	81.0	56.5-129	L705745-04	WG727846
trans-1,3-Dichloropropene	mg/kg	0.116	0.0	.025	93.0	64.1-128	L705745-04	WG727846
Trichloroethene	mg/kg	0.104	0.0	.025	83.0	44.1-149	L705745-04	WG727846
Trichlorofluoromethane	mg/kg	0.101	0.0	.025	81.0	49.6-145	L705745-04	WG727846
Vinyl chloride	mg/kg	0.0830	0.0	.025	66.0	47.8-137	L705745-04	WG727846
Xylenes, Total	mg/kg	0.326	0.000670	.075	87.0	63.3-131	L705745-04	WG727846
4-Bromofluorobenzene					97.10	71-126		WG727846
Dibromofluoromethane					100.0	78.3-121		WG727846
Toluene-d8					98.40	88.5-111		WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0870	0.0	.025	70.0	64-128	L705715-03	WG727960
1,1,1-Trichloroethane	mg/kg	0.121	0.0	.025	97.0	58.7-134	L705715-03	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	0.101	0.0	.025	81.0	56-132	L705715-03	WG727960
1,1,2-Trichloroethane	mg/kg	0.110	0.0	.025	88.0	66.3-125	L705715-03	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.101	0.0	.025	81.0	54.8-154	L705715-03	WG727960
1,1-Dichloroethane	mg/kg	0.141	0.0	.025	110.	58.5-132	L705715-03	WG727960
1,1-Dichloroethene	mg/kg	0.138	0.0	.025	110.	51.1-140	L705715-03	WG727960
1,1-Dichloropropene	mg/kg	0.102	0.0	.025	82.0	57.3-136	L705715-03	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0403	0.0	.025	32.0*	59.1-138	L705715-03	WG727960
1,2,3-Trichloropropane	mg/kg	0.0991	0.0	.025	79.0	61.4-128	L705715-03	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0531	0.000312	.025	42.0*	61.3-122	L705715-03	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0396	0.0	.025	32.0*	63.6-143	L705715-03	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0446	0.0	.025	36.0*	57.4-137	L705715-03	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0973	0.0	.025	78.0	57.3-136	L705715-03	WG727960
1,2-Dibromoethane	mg/kg	0.0982	0.0	.025	79.0	67.1-125	L705715-03	WG727960
1,2-Dichlorobenzene	mg/kg	0.0601	0.0	.025	48.0*	68.2-123	L705715-03	WG727960
1,2-Dichloroethane	mg/kg	0.129	0.0	.025	100.	60-126	L705715-03	WG727960
1,2-Dichloropropane	mg/kg	0.124	0.0	.025	99.0	64.2-123	L705715-03	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0476	0.0	.025	38.0*	63.6-132	L705715-03	WG727960
1,3-Dichlorobenzene	mg/kg	0.0517	0.0	.025	41.0*	63.1-131	L705715-03	WG727960
1,3-Dichloropropane	mg/kg	0.100	0.0	.025	80.0	67.9-121	L705715-03	WG727960
1,4-Dichlorobenzene	mg/kg	0.0532	0.0	.025	43.0*	68.6-123	L705715-03	WG727960
2,2-Dichloropropane	mg/kg	0.140	0.0	.025	110.	50.5-144	L705715-03	WG727960
2-Butanone (MEK)	mg/kg	0.568	0.0	.125	91.0	22.4-138	L705715-03	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.549	0.0	.125	88.0	10-155	L705715-03	WG727960
2-Chlorotoluene	mg/kg	0.0625	0.0	.025	50.0*	63.6-128	L705715-03	WG727960
4-Chlorotoluene	mg/kg	0.0572	0.0	.025	46.0*	65.7-127	L705715-03	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.557	0.0	.125	89.0	60.8-140	L705715-03	WG727960
Acetone	mg/kg	0.587	0.00652	.125	93.0	10-130	L705715-03	WG727960
Acrylonitrile	mg/kg	0.669	0.0	.125	110.	49.4-133	L705715-03	WG727960
Benzene	mg/kg	0.118	0.0	.025	95.0	54.3-133	L705715-03	WG727960
Bromobenzene	mg/kg	0.0649	0.0	.025	52.0*	63.9-124	L705715-03	WG727960
Bromodichloromethane	mg/kg	0.112	0.0	.025	90.0	63.9-121	L705715-03	WG727960
Bromoform	mg/kg	0.0905	0.0	.025	72.0	59.5-134	L705715-03	WG727960
Bromomethane	mg/kg	0.125	0.0	.025	100.	41.7-155	L705715-03	WG727960
Carbon tetrachloride	mg/kg	0.110	0.0	.025	88.0	55.7-134	L705715-03	WG727960
Chlorobenzene	mg/kg	0.0793	0.0	.025	64.0*	67-125	L705715-03	WG727960
Chlorodibromomethane	mg/kg	0.100	0.0	.025	80.0	64.3-125	L705715-03	WG727960

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloroethane	mg/kg	0.129	0.0	.025	100.	51.5-136	L705715-03	WG727960
Chloroform	mg/kg	0.127	0.0	.025	100.	63-129	L705715-03	WG727960
Chloromethane	mg/kg	0.138	0.0	.025	110.	42.4-135	L705715-03	WG727960
cis-1,2-Dichloroethene	mg/kg	0.126	0.0	.025	100.	59.2-129	L705715-03	WG727960
cis-1,3-Dichloropropene	mg/kg	0.108	0.0	.025	86.0	66.4-125	L705715-03	WG727960
Di-isopropyl ether	mg/kg	0.138	0.0	.025	110.	56.9-136	L705715-03	WG727960
Dibromomethane	mg/kg	0.120	0.0	.025	96.0	68.2-124	L705715-03	WG727960
Dichlorodifluoromethane	mg/kg	0.144	0.0	.025	120.	40.6-144	L705715-03	WG727960
Ethylbenzene	mg/kg	0.0629	0.0	.025	50.0*	61.4-133	L705715-03	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0229	0.0	.025	18.0*	55.1-136	L705715-03	WG727960
Isopropylbenzene	mg/kg	0.0541	0.0	.025	43.0*	66.8-141	L705715-03	WG727960
Methyl tert-butyl ether	mg/kg	0.129	0.0	.025	100.	57.7-134	L705715-03	WG727960
Methylene Chloride	mg/kg	0.127	0.00101	.025	100.	58.1-122	L705715-03	WG727960
n-Butylbenzene	mg/kg	0.0406	0.0	.025	32.0*	62.7-140	L705715-03	WG727960
n-Propylbenzene	mg/kg	0.0496	0.0	.025	40.0	10-176	L705715-03	WG727960
Naphthalene	mg/kg	0.0515	0.00187	.025	40.0*	58-135	L705715-03	WG727960
p-Isopropyltoluene	mg/kg	0.0395	0.0	.025	32.0*	63.2-139	L705715-03	WG727960
sec-Butylbenzene	mg/kg	0.0394	0.0	.025	32.0*	62.2-136	L705715-03	WG727960
Styrene	mg/kg	0.0719	0.0	.025	58.0*	66.8-133	L705715-03	WG727960
tert-Butylbenzene	mg/kg	0.0455	0.0	.025	36.0*	63.3-134	L705715-03	WG727960
Tetrachloroethene	mg/kg	0.0676	0.0	.025	54.0	53-139	L705715-03	WG727960
Toluene	mg/kg	0.0911	0.0	.025	73.0	61.4-130	L705715-03	WG727960
trans-1,2-Dichloroethene	mg/kg	0.129	0.0	.025	100.	56.5-129	L705715-03	WG727960
trans-1,3-Dichloropropene	mg/kg	0.100	0.0	.025	80.0	64.1-128	L705715-03	WG727960
Trichloroethene	mg/kg	0.0996	0.0	.025	80.0	44.1-149	L705715-03	WG727960
Trichlorofluoromethane	mg/kg	0.121	0.0	.025	97.0	49.6-145	L705715-03	WG727960
Vinyl chloride	mg/kg	0.136	0.0	.025	110.	47.8-137	L705715-03	WG727960
Xylenes, Total	mg/kg	0.191	0.0	.075	51.0*	63.3-131	L705715-03	WG727960
4-Bromofluorobenzene					93.00	71-126		WG727960
Dibromofluoromethane					103.0	78.3-121		WG727960
Toluene-d8					100.0	88.5-111		WG727960
1,1,1,2-Tetrachloroethane	mg/kg	0.121	0.0	.025	96.0	64-128	L705309-01	WG727287
1,1,1-Trichloroethane	mg/kg	0.118	0.0	.025	95.0	58.7-134	L705309-01	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.129	0.0	.025	100.	56-132	L705309-01	WG727287
1,1,2-Trichloroethane	mg/kg	0.119	0.0	.025	95.0	66.3-125	L705309-01	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.113	0.0	.025	90.0	54.8-154	L705309-01	WG727287
1,1-Dichloroethane	mg/kg	0.114	0.0	.025	91.0	58.5-132	L705309-01	WG727287
1,1-Dichloroethene	mg/kg	0.127	0.0	.025	100.	51.1-140	L705309-01	WG727287
1,1-Dichloropropene	mg/kg	0.110	0.0	.025	88.0	57.3-136	L705309-01	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0666	0.0	.025	53.0*	59.1-138	L705309-01	WG727287
1,2,3-Trichloropropane	mg/kg	0.132	0.0	.025	100.	61.4-128	L705309-01	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0980	0.0	.025	78.0	61.3-122	L705309-01	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0665	0.0	.025	53.0*	63.6-143	L705309-01	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.106	0.0	.025	85.0	57.4-137	L705309-01	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.109	0.0	.025	87.0	57.3-136	L705309-01	WG727287
1,2-Dibromoethane	mg/kg	0.129	0.0	.025	100.	67.1-125	L705309-01	WG727287
1,2-Dichlorobenzene	mg/kg	0.0934	0.0	.025	75.0	68.2-123	L705309-01	WG727287
1,2-Dichloroethane	mg/kg	0.117	0.0	.025	94.0	60-126	L705309-01	WG727287
1,2-Dichloropropane	mg/kg	0.122	0.0	.025	98.0	64.2-123	L705309-01	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.107	0.0	.025	86.0	63.6-132	L705309-01	WG727287
1,3-Dichlorobenzene	mg/kg	0.103	0.0	.025	83.0	63.1-131	L705309-01	WG727287
1,3-Dichloropropane	mg/kg	0.120	0.0	.025	96.0	67.9-121	L705309-01	WG727287
1,4-Dichlorobenzene	mg/kg	0.0960	0.0	.025	77.0	68.6-123	L705309-01	WG727287
2,2-Dichloropropane	mg/kg	0.117	0.0	.025	94.0	50.5-144	L705309-01	WG727287
2-Butanone (MEK)	mg/kg	0.650	0.0	.125	100.	22.4-138	L705309-01	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.635	0.0	.125	100.	10-155	L705309-01	WG727287
2-Chlorotoluene	mg/kg	0.109	0.0	.025	87.0	63.6-128	L705309-01	WG727287

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Chlorotoluene	mg/kg	0.105	0.0	.025	84.0	65.7-127	L705309-01	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.729	0.0	.125	120.	60.8-140	L705309-01	WG727287
Acetone	mg/kg	0.581	0.0586	.125	84.0	10-130	L705309-01	WG727287
Acrylonitrile	mg/kg	0.563	0.0	.125	90.0	49.4-133	L705309-01	WG727287
Benzene	mg/kg	0.107	0.0	.025	86.0	54.3-133	L705309-01	WG727287
Bromobenzene	mg/kg	0.109	0.0	.025	87.0	63.9-124	L705309-01	WG727287
Bromodichloromethane	mg/kg	0.116	0.0	.025	93.0	63.9-121	L705309-01	WG727287
Bromoform	mg/kg	0.132	0.0	.025	110.	59.5-134	L705309-01	WG727287
Bromomethane	mg/kg	0.143	0.0	.025	110.	41.7-155	L705309-01	WG727287
Carbon tetrachloride	mg/kg	0.114	0.0	.025	91.0	55.7-134	L705309-01	WG727287
Chlorobenzene	mg/kg	0.119	0.0	.025	95.0	67-125	L705309-01	WG727287
Chlorodibromomethane	mg/kg	0.124	0.0	.025	99.0	64.3-125	L705309-01	WG727287
Chloroethane	mg/kg	0.134	0.0	.025	110.	51.5-136	L705309-01	WG727287
Chloroform	mg/kg	0.111	0.0	.025	89.0	63-129	L705309-01	WG727287
Chloromethane	mg/kg	0.0955	0.0	.025	76.0	42.4-135	L705309-01	WG727287
cis-1,2-Dichloroethene	mg/kg	0.109	0.0	.025	87.0	59.2-129	L705309-01	WG727287
cis-1,3-Dichloropropene	mg/kg	0.120	0.0	.025	96.0	66.4-125	L705309-01	WG727287
Di-isopropyl ether	mg/kg	0.116	0.0	.025	93.0	56.9-136	L705309-01	WG727287
Dibromomethane	mg/kg	0.121	0.0	.025	97.0	68.2-124	L705309-01	WG727287
Dichlorodifluoromethane	mg/kg	0.109	0.0	.025	87.0	40.6-144	L705309-01	WG727287
Ethylbenzene	mg/kg	0.120	0.0	.025	96.0	61.4-133	L705309-01	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0530	0.0	.025	42.0*	55.1-136	L705309-01	WG727287
Isopropylbenzene	mg/kg	0.114	0.0	.025	91.0	66.8-141	L705309-01	WG727287
Methyl tert-butyl ether	mg/kg	0.118	0.0	.025	94.0	57.7-134	L705309-01	WG727287
Methylene Chloride	mg/kg	0.102	0.00102	.025	81.0	58.1-122	L705309-01	WG727287
n-Butylbenzene	mg/kg	0.0753	0.0	.025	60.0*	62.7-140	L705309-01	WG727287
n-Propylbenzene	mg/kg	0.104	0.0	.025	83.0	10-176	L705309-01	WG727287
Naphthalene	mg/kg	0.0794	0.000545	.025	63.0	58-135	L705309-01	WG727287
p-Isopropyltoluene	mg/kg	0.0995	0.0	.025	80.0	63.2-139	L705309-01	WG727287
sec-Butylbenzene	mg/kg	0.0984	0.0	.025	79.0	62.2-136	L705309-01	WG727287
Styrene	mg/kg	0.121	0.0	.025	96.0	66.8-133	L705309-01	WG727287
tert-Butylbenzene	mg/kg	0.109	0.0	.025	87.0	63.3-134	L705309-01	WG727287
Tetrachloroethene	mg/kg	0.114	0.0	.025	92.0	53-139	L705309-01	WG727287
Toluene	mg/kg	0.115	0.0	.025	92.0	61.4-130	L705309-01	WG727287
trans-1,2-Dichloroethene	mg/kg	0.108	0.0	.025	86.0	56.5-129	L705309-01	WG727287
trans-1,3-Dichloropropene	mg/kg	0.131	0.0	.025	100.	64.1-128	L705309-01	WG727287
Trichloroethene	mg/kg	0.115	0.0	.025	92.0	44.1-149	L705309-01	WG727287
Trichlorofluoromethane	mg/kg	0.138	0.0	.025	110.	49.6-145	L705309-01	WG727287
Vinyl chloride	mg/kg	0.100	0.0	.025	80.0	47.8-137	L705309-01	WG727287
Xylenes, Total	mg/kg	0.353	0.0	.075	94.0	63.3-131	L705309-01	WG727287
4-Bromofluorobenzene					97.80	71-126		WG727287
Dibromofluoromethane					95.40	78.3-121		WG727287
Toluene-d8					101.0	88.5-111		WG727287
Arsenic	mg/kg	54.2	9.29	50	90.0	75-125	L705269-16	WG727715
Barium	mg/kg	140.	101.	50	78.0	75-125	L705269-16	WG727715
Cadmium	mg/kg	50.0	0.609	50	99.0	75-125	L705269-16	WG727715
Chromium	mg/kg	66.2	19.8	50	93.0	75-125	L705269-16	WG727715
Lead	mg/kg	151.	71.9	50	160.*	75-125	L705269-16	WG727715
Selenium	mg/kg	37.7	-1.90	50	75.0	75-125	L705269-16	WG727715
Silver	mg/kg	45.9	0.666	50	91.0	75-125	L705269-16	WG727715
PCB 1016	mg/kg	0.130	0.0	.167	78.0	23.5-134	L705269-07	WG727931
PCB 1260	mg/kg	0.124	0.0	.167	74.0	16.1-139	L705269-07	WG727931
Decachlorobiphenyl					87.60	10-145		WG727931
Tetrachloro-m-xylene					109.0	21.1-148		WG727931

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Lead	mg/kg	57.2	7.35	10	100.	75-125	L705269-04	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	44.1	0.0	60	74.0	50-100	L705269-07	WG727821
o-Terphenyl					71.70	50-150		WG727821
1,1,1,2-Tetrachloroethane	mg/kg	0.119	0.0	.025	95.0	64-128	L706124-09	WG728250
1,1,1-Trichloroethane	mg/kg	0.117	0.0	.025	94.0	58.7-134	L706124-09	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.115	0.0	.025	92.0	56-132	L706124-09	WG728250
1,1,2-Trichloroethane	mg/kg	0.123	0.0	.025	98.0	66.3-125	L706124-09	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.108	0.0	.025	86.0	54.8-154	L706124-09	WG728250
1,1-Dichloroethane	mg/kg	0.119	0.0	.025	95.0	58.5-132	L706124-09	WG728250
1,1-Dichloroethene	mg/kg	0.115	0.0	.025	92.0	51.1-140	L706124-09	WG728250
1,1-Dichloropropene	mg/kg	0.109	0.0	.025	87.0	57.3-136	L706124-09	WG728250
1,2,3-Trichlorobenzene	mg/kg	0.0933	0.0	.025	75.0	59.1-138	L706124-09	WG728250
1,2,3-Trichloropropane	mg/kg	0.126	0.0	.025	100.	61.4-128	L706124-09	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.3-122	L706124-09	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0959	0.0	.025	77.0	63.6-143	L706124-09	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.106	0.0	.025	84.0	57.4-137	L706124-09	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.103	0.0	.025	82.0	57.3-136	L706124-09	WG728250
1,2-Dibromoethane	mg/kg	0.121	0.0	.025	97.0	67.1-125	L706124-09	WG728250
1,2-Dichlorobenzene	mg/kg	0.115	0.0	.025	92.0	68.2-123	L706124-09	WG728250
1,2-Dichloroethane	mg/kg	0.120	0.0	.025	96.0	60-126	L706124-09	WG728250
1,2-Dichloropropane	mg/kg	0.116	0.00501	.025	89.0	64.2-123	L706124-09	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.108	0.0	.025	86.0	63.6-132	L706124-09	WG728250
1,3-Dichlorobenzene	mg/kg	0.110	0.0	.025	88.0	63.1-131	L706124-09	WG728250
1,3-Dichloropropane	mg/kg	0.118	0.0	.025	95.0	67.9-121	L706124-09	WG728250
1,4-Dichlorobenzene	mg/kg	0.112	0.0	.025	89.0	68.6-123	L706124-09	WG728250
2,2-Dichloropropane	mg/kg	0.114	0.0	.025	91.0	50.5-144	L706124-09	WG728250
2-Butanone (MEK)	mg/kg	0.541	0.00139	.125	86.0	22.4-138	L706124-09	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.635	0.0	.125	100.	10-155	L706124-09	WG728250
2-Chlorotoluene	mg/kg	0.111	0.0	.025	89.0	63.6-128	L706124-09	WG728250
4-Chlorotoluene	mg/kg	0.108	0.0	.025	86.0	65.7-127	L706124-09	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.600	0.0	.125	96.0	60.8-140	L706124-09	WG728250
Acetone	mg/kg	0.531	0.00907	.125	84.0	10-130	L706124-09	WG728250
Acrylonitrile	mg/kg	0.537	0.0	.125	86.0	49.4-133	L706124-09	WG728250
Benzene	mg/kg	0.116	0.0	.025	93.0	54.3-133	L706124-09	WG728250
Bromobenzene	mg/kg	0.110	0.0	.025	88.0	63.9-124	L706124-09	WG728250
Bromodichloromethane	mg/kg	0.117	0.0	.025	94.0	63.9-121	L706124-09	WG728250
Bromoform	mg/kg	0.117	0.0	.025	94.0	59.5-134	L706124-09	WG728250
Bromomethane	mg/kg	0.163	0.0	.025	130.	41.7-155	L706124-09	WG728250
Carbon tetrachloride	mg/kg	0.114	0.0	.025	91.0	55.7-134	L706124-09	WG728250
Chlorobenzene	mg/kg	0.121	0.0	.025	97.0	67-125	L706124-09	WG728250
Chlorodibromomethane	mg/kg	0.120	0.0	.025	96.0	64.3-125	L706124-09	WG728250
Chloroethane	mg/kg	0.135	0.0	.025	110.	51.5-136	L706124-09	WG728250
Chloroform	mg/kg	0.117	0.0	.025	94.0	63-129	L706124-09	WG728250
Chloromethane	mg/kg	0.110	0.0	.025	88.0	42.4-135	L706124-09	WG728250
cis-1,2-Dichloroethene	mg/kg	0.126	0.0	.025	100.	59.2-129	L706124-09	WG728250
cis-1,3-Dichloropropene	mg/kg	0.118	0.0	.025	94.0	66.4-125	L706124-09	WG728250
Di-isopropyl ether	mg/kg	0.115	0.0	.025	92.0	56.9-136	L706124-09	WG728250
Dibromomethane	mg/kg	0.125	0.0	.025	100.	68.2-124	L706124-09	WG728250
Dichlorodifluoromethane	mg/kg	0.117	0.0	.025	94.0	40.6-144	L706124-09	WG728250
Ethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.4-133	L706124-09	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0685	0.0	.025	55.0*	55.1-136	L706124-09	WG728250
Isopropylbenzene	mg/kg	0.108	0.0	.025	87.0	66.8-141	L706124-09	WG728250
Methyl tert-butyl ether	mg/kg	0.124	0.0	.025	99.0	57.7-134	L706124-09	WG728250
Methylene Chloride	mg/kg	0.124	0.000449	.025	99.0	58.1-122	L706124-09	WG728250

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Nathan Peterson
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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
n-Butylbenzene	mg/kg	0.0865	0.0	.025	69.0	62.7-140	L706124-09	WG728250
n-Propylbenzene	mg/kg	0.103	0.0	.025	82.0	10-176	L706124-09	WG728250
Naphthalene	mg/kg	0.102	0.000304	.025	82.0	58-135	L706124-09	WG728250
p-Isopropyltoluene	mg/kg	0.0960	0.0	.025	77.0	63.2-139	L706124-09	WG728250
sec-Butylbenzene	mg/kg	0.0989	0.0	.025	79.0	62.2-136	L706124-09	WG728250
Styrene	mg/kg	0.117	0.0	.025	94.0	66.8-133	L706124-09	WG728250
tert-Butylbenzene	mg/kg	0.102	0.0	.025	82.0	63.3-134	L706124-09	WG728250
Tetrachloroethene	mg/kg	0.115	0.0	.025	92.0	53-139	L706124-09	WG728250
Toluene	mg/kg	0.115	0.000541	.025	92.0	61.4-130	L706124-09	WG728250
trans-1,2-Dichloroethene	mg/kg	0.118	0.0	.025	94.0	56.5-129	L706124-09	WG728250
trans-1,3-Dichloropropene	mg/kg	0.119	0.00184	.025	94.0	64.1-128	L706124-09	WG728250
Trichloroethene	mg/kg	0.121	0.0	.025	97.0	44.1-149	L706124-09	WG728250
Trichlorofluoromethane	mg/kg	0.123	0.0	.025	99.0	49.6-145	L706124-09	WG728250
Vinyl chloride	mg/kg	0.112	0.0	.025	90.0	47.8-137	L706124-09	WG728250
Xylenes, Total	mg/kg	0.338	0.000445	.075	90.0	63.3-131	L706124-09	WG728250
4-Bromofluorobenzene					92.10	71-126		WG728250
Dibromofluoromethane					96.00	78.3-121		WG728250
Toluene-d8					96.80	88.5-111		WG728250
TPH (GC/FID) Low Fraction	mg/kg	0.546	0.0263	1	52.0	50-100	L705269-07	WG727346
a,a,a-Trifluorotoluene(FID)					78.30	50-150		WG727346
Acenaphthene	mg/kg	0.317	0.0	.4	79.0	48.3-126	L705938-01	WG728031
Acenaphthylene	mg/kg	0.324	0.0	.4	81.0	48.7-128	L705938-01	WG728031
Anthracene	mg/kg	0.313	0.0	.4	78.0	41-133	L705938-01	WG728031
Benzo(a)anthracene	mg/kg	0.299	0.0	.4	75.0	31.6-136	L705938-01	WG728031
Benzo(a)pyrene	mg/kg	0.301	0.0	.4	75.0	28-137	L705938-01	WG728031
Benzo(b)fluoranthene	mg/kg	0.313	0.0	.4	78.0	24-134	L705938-01	WG728031
Benzo(g,h,i)perylene	mg/kg	0.278	0.0	.4	69.0	19.1-139	L705938-01	WG728031
Benzo(k)fluoranthene	mg/kg	0.289	0.0	.4	72.0	30.4-134	L705938-01	WG728031
Chrysene	mg/kg	0.300	0.0	.4	75.0	32.4-137	L705938-01	WG728031
Dibenz(a,h)anthracene	mg/kg	0.301	0.0	.4	75.0	30.3-135	L705938-01	WG728031
Fluoranthene	mg/kg	0.326	0.0	.4	82.0	32.8-139	L705938-01	WG728031
Fluorene	mg/kg	0.312	0.0	.4	78.0	43-129	L705938-01	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.283	0.0	.4	71.0	22.3-139	L705938-01	WG728031
Naphthalene	mg/kg	0.292	0.0	.4	73.0	38.1-135	L705938-01	WG728031
Phenanthrene	mg/kg	0.311	0.0	.4	78.0	36.2-134	L705938-01	WG728031
Pyrene	mg/kg	0.343	0.0	.4	86.0	30.3-144	L705938-01	WG728031
2-Fluorobiphenyl					80.80	41.4-134		WG728031
Nitrobenzene-d5					75.90	28.3-148		WG728031
p-Terphenyl-d14					84.60	35.8-140		WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.130	0.0	.025	100.	64-128	L705784-02	WG727848
1,1,1-Trichloroethane	mg/kg	0.110	0.0	.025	88.0	58.7-134	L705784-02	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.126	0.0	.025	100.	56-132	L705784-02	WG727848
1,1,2-Trichloroethane	mg/kg	0.129	0.0	.025	100.	66.3-125	L705784-02	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.107	0.0	.025	85.0	54.8-154	L705784-02	WG727848
1,1-Dichloroethane	mg/kg	0.106	0.0	.025	84.0	58.5-132	L705784-02	WG727848
1,1-Dichloroethene	mg/kg	0.0987	0.0	.025	79.0	51.1-140	L705784-02	WG727848
1,1-Dichloropropene	mg/kg	0.104	0.0	.025	83.0	57.3-136	L705784-02	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0976	0.0	.025	78.0	59.1-138	L705784-02	WG727848
1,2,3-Trichloropropane	mg/kg	0.127	0.0	.025	100.	61.4-128	L705784-02	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.103	0.0	.025	83.0	61.3-122	L705784-02	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0964	0.0	.025	77.0	63.6-143	L705784-02	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.112	0.0	.025	90.0	57.4-137	L705784-02	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.124	0.0	.025	100.	57.3-136	L705784-02	WG727848

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dibromoethane	mg/kg	0.130	0.0	.025	100.	67.1-125	L705784-02	WG727848
1,2-Dichlorobenzene	mg/kg	0.110	0.0	.025	88.0	68.2-123	L705784-02	WG727848
1,2-Dichloroethane	mg/kg	0.0993	0.0	.025	79.0	60-126	L705784-02	WG727848
1,2-Dichloropropane	mg/kg	0.109	0.0	.025	87.0	64.2-123	L705784-02	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.114	0.0	.025	91.0	63.6-132	L705784-02	WG727848
1,3-Dichlorobenzene	mg/kg	0.118	0.0	.025	94.0	63.1-131	L705784-02	WG727848
1,3-Dichloropropane	mg/kg	0.118	0.0	.025	95.0	67.9-121	L705784-02	WG727848
1,4-Dichlorobenzene	mg/kg	0.103	0.0	.025	82.0	68.6-123	L705784-02	WG727848
2,2-Dichloropropane	mg/kg	0.107	0.0	.025	85.0	50.5-144	L705784-02	WG727848
2-Butanone (MEK)	mg/kg	0.496	0.00763	.125	78.0	22.4-138	L705784-02	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.655	0.0	.125	100.	10-155	L705784-02	WG727848
2-Chlorotoluene	mg/kg	0.120	0.0	.025	96.0	63.6-128	L705784-02	WG727848
4-Chlorotoluene	mg/kg	0.108	0.0	.025	86.0	65.7-127	L705784-02	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.526	0.0	.125	84.0	60.8-140	L705784-02	WG727848
Acetone	mg/kg	0.568	0.0669	.125	80.0	10-130	L705784-02	WG727848
Acrylonitrile	mg/kg	0.520	0.0	.125	83.0	49.4-133	L705784-02	WG727848
Benzene	mg/kg	0.108	0.0	.025	87.0	54.3-133	L705784-02	WG727848
Bromobenzene	mg/kg	0.106	0.0	.025	85.0	63.9-124	L705784-02	WG727848
Bromodichloromethane	mg/kg	0.111	0.0	.025	88.0	63.9-121	L705784-02	WG727848
Bromoform	mg/kg	0.138	0.0	.025	110.	59.5-134	L705784-02	WG727848
Bromomethane	mg/kg	0.113	0.0	.025	90.0	41.7-155	L705784-02	WG727848
Carbon tetrachloride	mg/kg	0.112	0.0	.025	90.0	55.7-134	L705784-02	WG727848
Chlorobenzene	mg/kg	0.125	0.0	.025	100.	67-125	L705784-02	WG727848
Chlorodibromomethane	mg/kg	0.132	0.0	.025	100.	64.3-125	L705784-02	WG727848
Chloroethane	mg/kg	0.0938	0.0	.025	75.0	51.5-136	L705784-02	WG727848
Chloroform	mg/kg	0.108	0.0	.025	86.0	63-129	L705784-02	WG727848
Chloromethane	mg/kg	0.102	0.0	.025	82.0	42.4-135	L705784-02	WG727848
cis-1,2-Dichloroethene	mg/kg	0.120	0.00171	.025	95.0	59.2-129	L705784-02	WG727848
cis-1,3-Dichloropropene	mg/kg	0.115	0.0	.025	92.0	66.4-125	L705784-02	WG727848
Di-isopropyl ether	mg/kg	0.0982	0.0	.025	78.0	56.9-136	L705784-02	WG727848
Dibromomethane	mg/kg	0.116	0.0	.025	93.0	68.2-124	L705784-02	WG727848
Dichlorodifluoromethane	mg/kg	0.109	0.0	.025	87.0	40.6-144	L705784-02	WG727848
Ethylbenzene	mg/kg	0.127	0.0	.025	100.	61.4-133	L705784-02	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0819	0.0	.025	66.0	55.1-136	L705784-02	WG727848
Isopropylbenzene	mg/kg	0.118	0.0	.025	94.0	66.8-141	L705784-02	WG727848
Methyl tert-butyl ether	mg/kg	0.110	0.0	.025	88.0	57.7-134	L705784-02	WG727848
Methylene Chloride	mg/kg	0.110	0.0	.025	88.0	58.1-122	L705784-02	WG727848
n-Butylbenzene	mg/kg	0.0909	0.0	.025	73.0	62.7-140	L705784-02	WG727848
n-Propylbenzene	mg/kg	0.113	0.0	.025	90.0	10-176	L705784-02	WG727848
Naphthalene	mg/kg	0.103	0.0	.025	82.0	58-135	L705784-02	WG727848
p-Isopropyltoluene	mg/kg	0.113	0.0	.025	91.0	63.2-139	L705784-02	WG727848
sec-Butylbenzene	mg/kg	0.110	0.0	.025	88.0	62.2-136	L705784-02	WG727848
Styrene	mg/kg	0.124	0.0	.025	99.0	66.8-133	L705784-02	WG727848
tert-Butylbenzene	mg/kg	0.118	0.0	.025	94.0	63.3-134	L705784-02	WG727848
Tetrachloroethene	mg/kg	0.128	0.0	.025	100.	53-139	L705784-02	WG727848
Toluene	mg/kg	0.112	0.000301	.025	89.0	61.4-130	L705784-02	WG727848
trans-1,2-Dichloroethene	mg/kg	0.117	0.0	.025	94.0	56.5-129	L705784-02	WG727848
trans-1,3-Dichloropropene	mg/kg	0.130	0.0	.025	100.	64.1-128	L705784-02	WG727848
Trichloroethene	mg/kg	0.120	0.0	.025	96.0	44.1-149	L705784-02	WG727848
Trichlorofluoromethane	mg/kg	0.105	0.0	.025	84.0	49.6-145	L705784-02	WG727848
Vinyl chloride	mg/kg	0.0993	0.0	.025	79.0	47.8-137	L705784-02	WG727848
Xylenes, Total	mg/kg	0.364	0.0	.075	97.0	63.3-131	L705784-02	WG727848
4-Bromofluorobenzene					96.90	71-126		WG727848
Dibromofluoromethane					92.20	78.3-121		WG727848
Toluene-d8					94.40	88.5-111		WG727848
Extractable Petroleum Hydrocarbon	mg/kg	51.5	0.0	60	86.0	50-100	L705269-26	WG728024
o-Terphenyl					81.20	50-150		WG728024

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	0.573	0.0146	1	56.0	50-100	L705269-23	WG727349
a,a,a-Trifluorotoluene(FID)					113.0	50-150		WG727349
PCB 1016	mg/kg	0.122	0.0	.167	73.0	23.5-134	L705269-13	WG728030
PCB 1260	mg/kg	0.116	0.0	.167	69.0	16.1-139	L705269-13	WG728030
Decachlorobiphenyl					65.40	10-145		WG728030
Tetrachloro-m-xylene					88.10	21.1-148		WG728030
Acenaphthene	mg/kg	0.398	0.0	.4	100.	48.3-126	L705269-21	WG728071
Acenaphthylene	mg/kg	0.423	0.0	.4	110.	48.7-128	L705269-21	WG728071
Anthracene	mg/kg	0.386	0.0	.4	97.0	41-133	L705269-21	WG728071
Benzo(a)anthracene	mg/kg	0.360	0.0	.4	90.0	31.6-136	L705269-21	WG728071
Benzo(a)pyrene	mg/kg	0.383	0.0	.4	96.0	28-137	L705269-21	WG728071
Benzo(b)fluoranthene	mg/kg	0.355	0.0	.4	89.0	24-134	L705269-21	WG728071
Benzo(g,h,i)perylene	mg/kg	0.380	0.0	.4	95.0	19.1-139	L705269-21	WG728071
Benzo(k)fluoranthene	mg/kg	0.350	0.0	.4	87.0	30.4-134	L705269-21	WG728071
Chrysene	mg/kg	0.383	0.0	.4	96.0	32.4-137	L705269-21	WG728071
Dibenz(a,h)anthracene	mg/kg	0.385	0.0	.4	96.0	30.3-135	L705269-21	WG728071
Fluoranthene	mg/kg	0.348	0.0	.4	87.0	32.8-139	L705269-21	WG728071
Fluorene	mg/kg	0.384	0.0	.4	96.0	43-129	L705269-21	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.376	0.0	.4	94.0	22.3-139	L705269-21	WG728071
Naphthalene	mg/kg	0.375	0.0	.4	94.0	38.1-135	L705269-21	WG728071
Phenanthrene	mg/kg	0.377	0.0	.4	94.0	36.2-134	L705269-21	WG728071
Pyrene	mg/kg	0.381	0.0	.4	95.0	30.3-144	L705269-21	WG728071
2-Fluorobiphenyl					103.0	41.4-134		WG728071
Nitrobenzene-d5					90.10	28.3-148		WG728071
p-Terphenyl-d14					116.0	35.8-140		WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.480	0.00853	1	47.0*	50-100	L706639-02	WG728614
a,a,a-Trifluorotoluene(FID)					90.60	50-150		WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.465	0.0186	1	45.0*	50-100	L705269-22	WG728761
a,a,a-Trifluorotoluene(FID)					78.20	50-150		WG728761
Extractable Petroleum Hydrocarbon	mg/kg	63.0	3.76	60	99.0	50-100	L706006-02	WG728630
o-Terphenyl					68.50	50-150		WG728630

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/kg	0.612	0.594	86.3	80-120	3.00	20	L705224-01	WG727143
Mercury	mg/kg	0.557	0.398	105.	80-120	33.0*	20	L705269-02	WG727205
1,1,1,2-Tetrachloroethane	mg/l	0.0272	0.0294	109.	64-128	7.52	20	L705328-01	WG727265
1,1,1-Trichloroethane	mg/l	0.0217	0.0227	86.6	58.7-134	4.57	20	L705328-01	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0245	0.0262	97.9	56-132	6.69	22.2	L705328-01	WG727265
1,1,2-Trichloroethane	mg/l	0.0252	0.0260	101.	66.3-125	2.97	20	L705328-01	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0264	0.0284	106.	54.8-154	7.21	22.5	L705328-01	WG727265
1,1-Dichloroethane	mg/l	0.0193	0.0229	77.3	58.5-132	17.1	20	L705328-01	WG727265
1,1-Dichloroethene	mg/l	0.0263	0.0298	105.	51.1-140	12.4	20.2	L705328-01	WG727265
1,1-Dichloropropene	mg/l	0.0210	0.0222	84.0	57.3-136	5.67	20	L705328-01	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MSD	Ref	%Rec	Limit	Duplicate RPD	Limit	Ref Samp	Batch
1,2,3-Trichlorobenzene	mg/l	0.0278	0.0279	111.	59.1-138	0.310	23.7	L705328-01	WG727265
1,2,3-Trichloropropane	mg/l	0.0261	0.0269	104.	61.4-128	3.13	22.4	L705328-01	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0199	0.0205	77.7	61.3-122	2.90	20	L705328-01	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0261	0.0279	104.	63.6-143	6.79	21.9	L705328-01	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0251	0.0268	100.	57.4-137	6.67	20	L705328-01	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0289	0.0280	116.	57.3-136	3.06	27	L705328-01	WG727265
1,2-Dibromoethane	mg/l	0.0267	0.0273	107.	67.1-125	2.03	20	L705328-01	WG727265
1,2-Dichlorobenzene	mg/l	0.0251	0.0251	100.	68.2-123	0.0300	20	L705328-01	WG727265
1,2-Dichloroethane	mg/l	0.0178	0.0188	71.1	60-126	5.72	20	L705328-01	WG727265
1,2-Dichloropropane	mg/l	0.0213	0.0225	85.2	64.2-123	5.39	20	L705328-01	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0255	0.0276	102.	63.6-132	7.67	20.5	L705328-01	WG727265
1,3-Dichlorobenzene	mg/l	0.0272	0.0294	109.	63.1-131	7.57	20	L705328-01	WG727265
1,3-Dichloropropane	mg/l	0.0234	0.0244	93.6	67.9-121	4.21	20	L705328-01	WG727265
1,4-Dichlorobenzene	mg/l	0.0243	0.0245	97.2	68.6-123	0.850	20	L705328-01	WG727265
2,2-Dichloropropane	mg/l	0.0227	0.0241	90.6	50.5-144	6.03	21.9	L705328-01	WG727265
2-Butanone (MEK)	mg/l	0.0892	0.0940	71.4	22.4-138	5.18	27	L705328-01	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0453	0.0661	36.2	10-155	37.3*	20	L705328-01	WG727265
2-Chlorotoluene	mg/l	0.0269	0.0294	107.	63.6-128	9.05	20	L705328-01	WG727265
4-Chlorotoluene	mg/l	0.0233	0.0250	93.2	65.7-127	7.03	20	L705328-01	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.121	0.126	96.8	60.8-140	4.11	25.1	L705328-01	WG727265
Acetone	mg/l	0.0883	0.114	68.3	10-130	25.4	27.9	L705328-01	WG727265
Acrolein	mg/l	0.0715	0.0870	57.2	10-200	19.5	27.7	L705328-01	WG727265
Acrylonitrile	mg/l	0.0946	0.114	75.6	49.4-133	18.5	25.3	L705328-01	WG727265
Benzene	mg/l	0.0362	0.0378	65.1	54.3-133	4.29	20	L705328-01	WG727265
Bromobenzene	mg/l	0.0224	0.0238	89.6	63.9-124	6.10	20	L705328-01	WG727265
Bromodichloromethane	mg/l	0.0219	0.0223	87.5	63.9-121	1.92	20	L705328-01	WG727265
Bromoform	mg/l	0.0308	0.0318	123.	59.5-134	3.30	20.5	L705328-01	WG727265
Bromomethane	mg/l	0.0268	0.0305	107.	41.7-155	12.9	21.9	L705328-01	WG727265
Carbon tetrachloride	mg/l	0.0222	0.0232	88.7	55.7-134	4.69	20	L705328-01	WG727265
Chlorobenzene	mg/l	0.0259	0.0276	104.	67-125	6.24	20	L705328-01	WG727265
Chlorodibromomethane	mg/l	0.0271	0.0281	108.	64.3-125	3.67	20.8	L705328-01	WG727265
Chloroethane	mg/l	0.0257	0.0290	103.	51.5-136	11.8	40	L705328-01	WG727265
Chloroform	mg/l	0.0191	0.0201	76.2	63-129	5.53	20	L705328-01	WG727265
Chloromethane	mg/l	0.0217	0.0258	86.8	42.4-135	17.2	20	L705328-01	WG727265
cis-1,2-Dichloroethene	mg/l	0.0213	0.0230	85.4	59.2-129	7.48	20	L705328-01	WG727265
cis-1,3-Dichloropropene	mg/l	0.0245	0.0254	97.9	66.4-125	3.89	20	L705328-01	WG727265
Di-isopropyl ether	mg/l	0.0187	0.0241	74.8	56.9-136	25.4*	20	L705328-01	WG727265
Dibromomethane	mg/l	0.0221	0.0232	88.6	68.2-124	4.63	20	L705328-01	WG727265
Dichlorodifluoromethane	mg/l	0.0209	0.0236	83.8	40.6-144	12.0	20.2	L705328-01	WG727265
Ethylbenzene	mg/l	0.0270	0.0287	106.	61.4-133	6.27	20	L705328-01	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0254	0.0276	102.	55.1-136	8.34	23.6	L705328-01	WG727265
Isopropylbenzene	mg/l	0.0291	0.0309	116.	66.8-141	6.01	20	L705328-01	WG727265
Methyl tert-butyl ether	mg/l	0.0247	0.0299	69.3	57.7-134	19.0	20	L705328-01	WG727265
Methylene Chloride	mg/l	0.0206	0.0240	82.4	58.1-122	15.0	20	L705328-01	WG727265
n-Butylbenzene	mg/l	0.0234	0.0235	93.5	62.7-140	0.720	20.3	L705328-01	WG727265
n-Propylbenzene	mg/l	0.0251	0.0270	100.	65.9-131	7.10	20	L705328-01	WG727265
Naphthalene	mg/l	0.0271	0.0268	108.	58-135	0.950	25.5	L705328-01	WG727265
p-Isopropyltoluene	mg/l	0.0280	0.0303	112.	63.2-139	7.84	20.4	L705328-01	WG727265
sec-Butylbenzene	mg/l	0.0267	0.0290	107.	62.2-136	8.52	20.3	L705328-01	WG727265
Styrene	mg/l	0.0270	0.0285	108.	66.8-133	5.74	20	L705328-01	WG727265
tert-Butylbenzene	mg/l	0.0265	0.0286	106.	63.3-134	7.91	21	L705328-01	WG727265
Tetrachloroethene	mg/l	0.0307	0.0320	123.	53-139	4.04	20	L705328-01	WG727265
Toluene	mg/l	0.0233	0.0243	93.1	61.4-130	4.29	20	L705328-01	WG727265
trans-1,2-Dichloroethene	mg/l	0.0222	0.0254	88.7	56.5-129	13.6	20	L705328-01	WG727265
trans-1,3-Dichloropropene	mg/l	0.0258	0.0273	103.	64.1-128	5.84	20	L705328-01	WG727265
Trichloroethene	mg/l	0.0255	0.0262	102.	44.1-149	2.81	20	L705328-01	WG727265
Trichlorofluoromethane	mg/l	0.0286	0.0308	114.	49.6-145	7.15	21.2	L705328-01	WG727265
Vinyl chloride	mg/l	0.0242	0.0270	96.7	47.8-137	10.9	20	L705328-01	WG727265
Xylenes, Total	mg/l	0.0789	0.0837	104.	63.3-131	5.91	20	L705328-01	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
4-Bromofluorobenzene				91.60	71-126				
Dibromofluoromethane				86.50	78.3-121				
Toluene-d8				97.30	88.5-111				
1,1,1,2-Tetrachloroethane	mg/kg	0.0194	0.0227	77.8	64-128	15.3	20	L705269-07	WG727286
1,1,1-Trichloroethane	mg/kg	0.0212	0.0236	84.9	58.7-134	10.6	20	L705269-07	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0213	0.0351	85.2	56-132	49.0*	22.2	L705269-07	WG727286
1,1,2-Trichloroethane	mg/kg	0.0203	0.0231	81.3	66.3-125	12.8	20	L705269-07	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0220	0.0246	88.0	54.8-154	11.3	22.5	L705269-07	WG727286
1,1-Dichloroethane	mg/kg	0.0205	0.0233	81.8	58.5-132	13.1	20	L705269-07	WG727286
1,1-Dichloroethene	mg/kg	0.0203	0.0225	81.4	51.1-140	10.1	20.2	L705269-07	WG727286
1,1-Dichloropropene	mg/kg	0.0206	0.0229	82.2	57.3-136	10.7	20	L705269-07	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0141	0.0222	56.3*	59.1-138	44.8*	23.7	L705269-07	WG727286
1,2,3-Trichloropropane	mg/kg	0.0188	0.0255	75.1	61.4-128	30.5*	22.4	L705269-07	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0193	0.0235	77.4	61.3-122	19.3	20	L705269-07	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0148	0.0212	59.2*	63.6-143	35.8*	21.9	L705269-07	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0182	0.0212	72.8	57.4-137	15.1	20	L705269-07	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0184	0.0218	73.8	57.3-136	16.9	27	L705269-07	WG727286
1,2-Dibromoethane	mg/kg	0.0187	0.0216	74.7	67.1-125	14.7	20	L705269-07	WG727286
1,2-Dichlorobenzene	mg/kg	0.0182	0.0231	73.0	68.2-123	23.5*	20	L705269-07	WG727286
1,2-Dichloroethane	mg/kg	0.0204	0.0234	81.7	60-126	13.6	20	L705269-07	WG727286
1,2-Dichloropropane	mg/kg	0.0206	0.0230	82.4	64.2-123	11.1	20	L705269-07	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0195	0.0228	78.1	63.6-132	15.3	20.5	L705269-07	WG727286
1,3-Dichlorobenzene	mg/kg	0.0167	0.0216	66.9	63.1-131	25.6*	20	L705269-07	WG727286
1,3-Dichloropropane	mg/kg	0.0175	0.0217	69.8	67.9-121	21.7*	20	L705269-07	WG727286
1,4-Dichlorobenzene	mg/kg	0.0162	0.0216	65.0*	68.6-123	28.3*	20	L705269-07	WG727286
2,2-Dichloropropane	mg/kg	0.0218	0.0245	87.4	50.5-144	11.4	21.9	L705269-07	WG727286
2-Butanone (MEK)	mg/kg	0.112	0.113	89.6	22.4-138	0.820	27	L705269-07	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.0970	0.115	77.6	10-155	17.0	40	L705269-07	WG727286
2-Chlorotoluene	mg/kg	0.0195	0.0232	78.1	63.6-128	17.2	20	L705269-07	WG727286
4-Chlorotoluene	mg/kg	0.0180	0.0215	72.2	65.7-127	17.5	20	L705269-07	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.103	0.121	82.5	60.8-140	16.1	25.1	L705269-07	WG727286
Acetone	mg/kg	0.0942	0.110	72.4	10-130	15.1	27.9	L705269-07	WG727286
Acrylonitrile	mg/kg	0.102	0.123	81.2	49.4-133	19.0	25.3	L705269-07	WG727286
Benzene	mg/kg	0.0196	0.0217	78.4	54.3-133	10.4	20	L705269-07	WG727286
Bromobenzene	mg/kg	0.0173	0.0208	69.4	63.9-124	18.0	20	L705269-07	WG727286
Bromodichloromethane	mg/kg	0.0199	0.0233	79.5	63.9-121	16.0	20	L705269-07	WG727286
Bromoform	mg/kg	0.0182	0.0222	72.7	59.5-134	20.1	20.8	L705269-07	WG727286
Bromomethane	mg/kg	0.0193	0.0216	77.3	41.7-155	11.1	20.5	L705269-07	WG727286
Carbon tetrachloride	mg/kg	0.0221	0.0242	88.2	55.7-134	9.38	20.3	L705269-07	WG727286
Chlorobenzene	mg/kg	0.0186	0.0221	74.4	67-125	17.3	20	L705269-07	WG727286
Chlorodibromomethane	mg/kg	0.0192	0.0231	76.7	64.3-125	18.6	20	L705269-07	WG727286
Chloroethane	mg/kg	0.0213	0.0217	85.4	51.5-136	1.57	20.8	L705269-07	WG727286
Chloroform	mg/kg	0.0200	0.0224	79.9	63-129	11.3	20	L705269-07	WG727286
Chloromethane	mg/kg	0.0192	0.0214	77.0	42.4-135	10.7	20	L705269-07	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0229	0.0258	79.2	59.2-129	11.8	20	L705269-07	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0194	0.0237	77.7	66.4-125	19.6	20	L705269-07	WG727286
Di-isopropyl ether	mg/kg	0.0207	0.0236	82.9	56.9-136	12.8	20	L705269-07	WG727286
Dibromomethane	mg/kg	0.0201	0.0239	80.5	68.2-124	17.0	20	L705269-07	WG727286
Dichlorodifluoromethane	mg/kg	0.0215	0.0242	85.9	40.6-144	12.1	20.2	L705269-07	WG727286
Ethylbenzene	mg/kg	0.0185	0.0210	73.9	61.4-133	12.8	20	L705269-07	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0175	0.0235	70.0	55.1-136	29.5*	23.6	L705269-07	WG727286
Isopropylbenzene	mg/kg	0.0197	0.0233	79.0	66.8-141	16.3	20	L705269-07	WG727286
Methyl tert-butyl ether	mg/kg	0.0202	0.0237	80.8	57.7-134	16.1	20	L705269-07	WG727286
Methylene Chloride	mg/kg	0.0182	0.0212	72.8	58.1-122	15.4	20	L705269-07	WG727286
n-Butylbenzene	mg/kg	0.0189	0.0246	75.6	62.7-140	26.3*	20	L705269-07	WG727286
n-Propylbenzene	mg/kg	0.0193	0.0232	77.2	10-176	18.2	26.6	L705269-07	WG727286
Naphthalene	mg/kg	0.0161	0.0223	64.2	58-135	32.4*	25.5	L705269-07	WG727286
p-Isopropyltoluene	mg/kg	0.0189	0.0226	75.7	63.2-139	17.6	20.4	L705269-07	WG727286
sec-Butylbenzene	mg/kg	0.0196	0.0243	78.4	62.2-136	21.5*	20.3	L705269-07	WG727286

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Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Styrene	mg/kg	0.0186	0.0221	74.3	66.8-133	17.5	20	L705269-07	WG727286
tert-Butylbenzene	mg/kg	0.0206	0.0245	81.1	63.3-134	17.2	20.3	L705269-07	WG727286
Tetrachloroethene	mg/kg	0.0318	0.0365	72.1	53-139	13.7	20	L705269-07	WG727286
Toluene	mg/kg	0.0189	0.0222	75.6	61.4-130	16.1	20	L705269-07	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0194	0.0225	77.4	56.5-129	14.9	20	L705269-07	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0180	0.0225	72.1	64.1-128	22.1*	20	L705269-07	WG727286
Trichloroethene	mg/kg	0.0225	0.0259	78.3	44.1-149	14.0	20	L705269-07	WG727286
Trichlorofluoromethane	mg/kg	0.0219	0.0238	87.7	49.6-145	8.13	21.2	L705269-07	WG727286
Vinyl chloride	mg/kg	0.0195	0.0219	77.8	47.8-137	12.0	20	L705269-07	WG727286
Xylenes, Total	mg/kg	0.0545	0.0643	72.7	63.3-131	16.5	20	L705269-07	WG727286
4-Bromofluorobenzene				99.00	71-126				WG727286
Dibromofluoromethane				102.0	78.3-121				WG727286
Toluene-d8				102.0	88.5-111				WG727286
Acenaphthene	mg/kg	0.319	0.302	79.8	48.3-126	5.42	20	L705269-07	WG727502
Acenaphthylene	mg/kg	0.314	0.287	78.4	48.7-128	8.84	20	L705269-07	WG727502
Anthracene	mg/kg	0.328	0.326	82.0	41-133	0.530	20	L705269-07	WG727502
Benzo(a)anthracene	mg/kg	0.263	0.308	65.8	31.6-136	15.8	20	L705269-07	WG727502
Benzo(a)pyrene	mg/kg	0.298	0.311	74.4	28-137	4.21	20.5	L705269-07	WG727502
Benzo(b)fluoranthene	mg/kg	0.286	0.301	71.5	24-134	4.92	24.3	L705269-07	WG727502
Benzo(g,h,i)perylene	mg/kg	0.293	0.316	73.3	19.1-139	7.45	23.4	L705269-07	WG727502
Benzo(k)fluoranthene	mg/kg	0.314	0.322	78.6	30.4-134	2.35	24.7	L705269-07	WG727502
Chrysene	mg/kg	0.276	0.322	69.0	32.4-137	15.3	20	L705269-07	WG727502
Dibenz(a,h)anthracene	mg/kg	0.315	0.334	78.8	30.3-135	5.71	22.5	L705269-07	WG727502
Fluoranthene	mg/kg	0.287	0.285	71.8	32.8-139	0.820	20	L705269-07	WG727502
Fluorene	mg/kg	0.295	0.284	73.7	43-129	3.59	20	L705269-07	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.286	0.315	71.5	22.3-139	9.73	23.6	L705269-07	WG727502
Naphthalene	mg/kg	0.300	0.315	72.8	38.1-135	4.84	20	L705269-07	WG727502
Phenanthrene	mg/kg	0.321	0.319	80.2	36.2-134	0.710	20	L705269-07	WG727502
Pyrene	mg/kg	0.281	0.331	70.4	30.3-144	16.3	21.7	L705269-07	WG727502
2-Fluorobiphenyl				77.20	41.4-134				WG727502
Nitrobenzene-d5				73.30	28.3-148				WG727502
p-Terphenyl-d14				74.30	35.8-140				WG727502
Arsenic	mg/kg	41.4	42.7	72.9*	75-125	3.00	20	L705269-07	WG727624
Barium	mg/kg	118.	121.	69.3*	75-125	2.00	20	L705269-07	WG727624
Cadmium	mg/kg	35.9	37.3	70.8*	75-125	4.00	20	L705269-07	WG727624
Chromium	mg/kg	57.6	59.4	71.6*	75-125	3.00	20	L705269-07	WG727624
Lead	mg/kg	64.9	63.6	61.4*	75-125	2.00	20	L705269-07	WG727624
Selenium	mg/kg	42.6	44.0	71.7*	75-125	3.00	20	L705269-07	WG727624
Silver	mg/kg	36.4	37.7	74.3*	75-125	4.00	20	L705269-07	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.116	0.115	93.0	64-128	1.34	20	L705745-04	WG727846
1,1,1-Trichloroethane	mg/kg	0.112	0.105	89.3	58.7-134	5.68	20	L705745-04	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.138	0.139	110.	56-132	1.26	22.2	L705745-04	WG727846
1,1,2-Trichloroethane	mg/kg	0.127	0.121	102.	66.3-125	5.56	20	L705745-04	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.105	0.0976	84.2	54.8-154	7.49	22.5	L705745-04	WG727846
1,1-Dichloroethane	mg/kg	0.111	0.106	88.5	58.5-132	4.68	20	L705745-04	WG727846
1,1-Dichloroethene	mg/kg	0.0936	0.0886	74.9	51.1-140	5.55	20.2	L705745-04	WG727846
1,1-Dichloropropene	mg/kg	0.105	0.0994	84.2	57.3-136	5.80	20	L705745-04	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.123	0.120	97.3	59.1-138	2.79	23.7	L705745-04	WG727846
1,2,3-Trichloropropane	mg/kg	0.136	0.138	109.	61.4-128	1.29	22.4	L705745-04	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.114	0.112	90.7	61.3-122	1.70	20	L705745-04	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.114	0.111	89.8	63.6-143	2.69	21.9	L705745-04	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.114	0.114	90.9	57.4-137	0.560	20	L705745-04	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.148	0.144	118.	57.3-136	2.69	27	L705745-04	WG727846

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dibromoethane	mg/kg	0.127	0.118	101.	67.1-125	7.38	20	L705745-04	WG727846
1,2-Dichlorobenzene	mg/kg	0.120	0.119	96.2	68.2-123	1.17	20	L705745-04	WG727846
1,2-Dichloroethane	mg/kg	0.109	0.104	87.2	60-126	4.99	20	L705745-04	WG727846
1,2-Dichloropropane	mg/kg	0.113	0.103	90.3	64.2-123	9.36	20	L705745-04	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.113	0.113	90.1	63.6-132	0.0900	20.5	L705745-04	WG727846
1,3-Dichlorobenzene	mg/kg	0.115	0.114	92.2	63.1-131	1.47	20	L705745-04	WG727846
1,3-Dichloropropane	mg/kg	0.118	0.113	94.4	67.9-121	4.76	20	L705745-04	WG727846
1,4-Dichlorobenzene	mg/kg	0.112	0.107	89.2	68.6-123	4.03	20	L705745-04	WG727846
2,2-Dichloropropane	mg/kg	0.0998	0.0931	79.9	50.5-144	6.98	21.9	L705745-04	WG727846
2-Butanone (MEK)	mg/kg	0.565	0.552	90.4	22.4-138	2.38	27	L705745-04	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.584	0.549	93.4	10-155	6.15	40	L705745-04	WG727846
2-Chlorotoluene	mg/kg	0.0957	0.0977	76.5	63.6-128	2.12	20	L705745-04	WG727846
4-Chlorotoluene	mg/kg	0.114	0.111	91.0	65.7-127	2.84	20	L705745-04	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.657	0.652	105.	60.8-140	0.860	25.1	L705745-04	WG727846
Acetone	mg/kg	0.541	0.535	84.5	10-130	1.27	27.9	L705745-04	WG727846
Acrylonitrile	mg/kg	0.610	0.584	97.6	49.4-133	4.30	25.3	L705745-04	WG727846
Benzene	mg/kg	0.111	0.103	88.4	54.3-133	7.13	20	L705745-04	WG727846
Bromobenzene	mg/kg	0.112	0.110	89.8	63.9-124	1.81	20	L705745-04	WG727846
Bromodichloromethane	mg/kg	0.114	0.111	91.4	63.9-121	2.98	20	L705745-04	WG727846
Bromoform	mg/kg	0.130	0.130	104.	59.5-134	0.200	20.8	L705745-04	WG727846
Bromomethane	mg/kg	0.0978	0.0935	78.2	41.7-155	4.51	20.5	L705745-04	WG727846
Carbon tetrachloride	mg/kg	0.117	0.111	93.4	55.7-134	5.12	20.3	L705745-04	WG727846
Chlorobenzene	mg/kg	0.118	0.111	94.0	67-125	5.89	20	L705745-04	WG727846
Chlorodibromomethane	mg/kg	0.128	0.120	102.	64.3-125	6.29	20	L705745-04	WG727846
Chloroethane	mg/kg	0.0917	0.0879	73.4	51.5-136	4.30	20.8	L705745-04	WG727846
Chloroform	mg/kg	0.116	0.110	92.7	63-129	5.33	20	L705745-04	WG727846
Chloromethane	mg/kg	0.0851	0.0816	68.1	42.4-135	4.21	20	L705745-04	WG727846
cis-1,2-Dichloroethene	mg/kg	0.115	0.109	92.0	59.2-129	4.98	20	L705745-04	WG727846
cis-1,3-Dichloropropene	mg/kg	0.117	0.113	93.6	66.4-125	3.83	20	L705745-04	WG727846
Di-isopropyl ether	mg/kg	0.104	0.101	83.0	56.9-136	2.28	20	L705745-04	WG727846
Dibromomethane	mg/kg	0.121	0.117	96.6	68.2-124	3.32	20	L705745-04	WG727846
Dichlorodifluoromethane	mg/kg	0.0970	0.0919	77.6	40.6-144	5.39	20.2	L705745-04	WG727846
Ethylbenzene	mg/kg	0.116	0.111	92.6	61.4-133	4.13	20	L705745-04	WG727846
Hexachloro-1,3-butadiene	mg/kg	0.102	0.0985	81.7	55.1-136	3.59	23.6	L705745-04	WG727846
Isopropylbenzene	mg/kg	0.114	0.112	91.1	66.8-141	1.78	20	L705745-04	WG727846
Methyl tert-butyl ether	mg/kg	0.111	0.109	88.8	57.7-134	1.38	20	L705745-04	WG727846
Methylene Chloride	mg/kg	0.109	0.106	87.0	58.1-122	3.44	20	L705745-04	WG727846
n-Butylbenzene	mg/kg	0.108	0.104	85.8	62.7-140	3.01	20	L705745-04	WG727846
n-Propylbenzene	mg/kg	0.112	0.108	89.3	10-176	3.13	26.6	L705745-04	WG727846
Naphthalene	mg/kg	0.133	0.130	104.	58-135	2.67	25.5	L705745-04	WG727846
p-Isopropyltoluene	mg/kg	0.112	0.111	89.5	63.2-139	1.41	20.4	L705745-04	WG727846
sec-Butylbenzene	mg/kg	0.114	0.114	90.5	62.2-136	0.660	20.3	L705745-04	WG727846
Styrene	mg/kg	0.114	0.111	90.8	66.8-133	2.36	20	L705745-04	WG727846
tert-Butylbenzene	mg/kg	0.116	0.116	92.4	63.3-134	0.410	20.3	L705745-04	WG727846
Tetrachloroethene	mg/kg	0.104	0.0965	83.6	53-139	7.90	20	L705745-04	WG727846
Toluene	mg/kg	0.110	0.103	87.4	61.4-130	5.94	20	L705745-04	WG727846
trans-1,2-Dichloroethene	mg/kg	0.106	0.101	84.5	56.5-129	4.07	20	L705745-04	WG727846
trans-1,3-Dichloropropene	mg/kg	0.121	0.116	97.0	64.1-128	4.66	20	L705745-04	WG727846
Trichloroethene	mg/kg	0.109	0.104	87.4	44.1-149	4.85	20	L705745-04	WG727846
Trichlorofluoromethane	mg/kg	0.108	0.101	86.3	49.6-145	6.73	21.2	L705745-04	WG727846
Vinyl chloride	mg/kg	0.0887	0.0830	71.0	47.8-137	6.62	20	L705745-04	WG727846
Xylenes, Total	mg/kg	0.341	0.326	90.7	63.3-131	4.28	20	L705745-04	WG727846
4-Bromofluorobenzene				95.30	71-126				WG727846
Dibromofluoromethane				99.00	78.3-121				WG727846
Toluene-d8				98.00	88.5-111				WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0860	0.0870	68.8	64-128	1.24	20	L705715-03	WG727960
1,1,1-Trichloroethane	mg/kg	0.101	0.121	80.8	58.7-134	18.2	20	L705715-03	WG727960

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/kg	0.0995	0.101	79.6	56-132	1.80	22.2	L705715-03	WG727960
1,1,2-Trichloroethane	mg/kg	0.110	0.110	87.6	66.3-125	0.0300	20	L705715-03	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0879	0.101	70.3	54.8-154	13.9	22.5	L705715-03	WG727960
1,1-Dichloroethane	mg/kg	0.121	0.141	97.0	58.5-132	14.8	20	L705715-03	WG727960
1,1-Dichloroethene	mg/kg	0.117	0.138	93.4	51.1-140	16.8	20.2	L705715-03	WG727960
1,1-Dichloropropene	mg/kg	0.0898	0.102	71.8	57.3-136	12.8	20	L705715-03	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0235	0.0403	18.8*	59.1-138	52.8*	23.7	L705715-03	WG727960
1,2,3-Trichloropropane	mg/kg	0.102	0.0991	81.4	61.4-128	2.67	22.4	L705715-03	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0433	0.0531	34.4*	61.3-122	20.2*	20	L705715-03	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0239	0.0396	19.2*	63.6-143	49.3*	21.9	L705715-03	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0367	0.0446	29.4*	57.4-137	19.3	20	L705715-03	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0926	0.0973	74.0	57.3-136	5.00	27	L705715-03	WG727960
1,2-Dibromoethane	mg/kg	0.102	0.0982	81.4	67.1-125	3.50	20	L705715-03	WG727960
1,2-Dichlorobenzene	mg/kg	0.0506	0.0601	40.5*	68.2-123	17.3	20	L705715-03	WG727960
1,2-Dichloroethane	mg/kg	0.117	0.129	93.3	60-126	10.4	20	L705715-03	WG727960
1,2-Dichloropropane	mg/kg	0.118	0.124	94.1	64.2-123	5.31	20	L705715-03	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0397	0.0476	31.7*	63.6-132	18.3	20.5	L705715-03	WG727960
1,3-Dichlorobenzene	mg/kg	0.0445	0.0517	35.6*	63.1-131	14.9	20	L705715-03	WG727960
1,3-Dichloropropane	mg/kg	0.102	0.100	81.6	67.9-121	1.70	20	L705715-03	WG727960
1,4-Dichlorobenzene	mg/kg	0.0475	0.0532	38.0*	68.6-123	11.5	20	L705715-03	WG727960
2,2-Dichloropropane	mg/kg	0.117	0.140	93.9	50.5-144	17.7	21.9	L705715-03	WG727960
2-Butanone (MEK)	mg/kg	0.622	0.568	99.4	22.4-138	8.98	27	L705715-03	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.551	0.549	88.2	10-155	0.400	40	L705715-03	WG727960
2-Chlorotoluene	mg/kg	0.0506	0.0625	40.5*	63.6-128	21.0*	20	L705715-03	WG727960
4-Chlorotoluene	mg/kg	0.0514	0.0572	41.1*	65.7-127	10.7	20	L705715-03	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.535	0.557	85.6	60.8-140	4.00	25.1	L705715-03	WG727960
Acetone	mg/kg	0.537	0.587	84.9	10-130	8.82	27.9	L705715-03	WG727960
Acrylonitrile	mg/kg	0.594	0.669	95.0	49.4-133	12.0	25.3	L705715-03	WG727960
Benzene	mg/kg	0.105	0.118	83.6	54.3-133	12.5	20	L705715-03	WG727960
Bromobenzene	mg/kg	0.0609	0.0649	48.7*	63.9-124	6.36	20	L705715-03	WG727960
Bromodichloromethane	mg/kg	0.104	0.112	83.0	63.9-121	7.60	20	L705715-03	WG727960
Bromoform	mg/kg	0.0875	0.0905	70.0	59.5-134	3.36	20.8	L705715-03	WG727960
Bromomethane	mg/kg	0.110	0.125	88.3	41.7-155	12.5	20.5	L705715-03	WG727960
Carbon tetrachloride	mg/kg	0.0950	0.110	76.0	55.7-134	14.8	20.3	L705715-03	WG727960
Chlorobenzene	mg/kg	0.0766	0.0793	61.3*	67-125	3.42	20	L705715-03	WG727960
Chlorodibromomethane	mg/kg	0.101	0.100	80.6	64.3-125	0.620	20	L705715-03	WG727960
Chloroethane	mg/kg	0.112	0.129	89.2	51.5-136	14.7	20.8	L705715-03	WG727960
Chloroform	mg/kg	0.111	0.127	88.5	63-129	13.4	20	L705715-03	WG727960
Chloromethane	mg/kg	0.119	0.138	95.4	42.4-135	14.5	20	L705715-03	WG727960
cis-1,2-Dichloroethene	mg/kg	0.111	0.126	89.2	59.2-129	12.2	20	L705715-03	WG727960
cis-1,3-Dichloropropene	mg/kg	0.105	0.108	84.3	66.4-125	2.21	20	L705715-03	WG727960
Di-isopropyl ether	mg/kg	0.120	0.138	96.0	56.9-136	14.2	20	L705715-03	WG727960
Dibromomethane	mg/kg	0.116	0.120	93.1	68.2-124	2.82	20	L705715-03	WG727960
Dichlorodifluoromethane	mg/kg	0.123	0.144	98.5	40.6-144	15.5	20.2	L705715-03	WG727960
Ethylbenzene	mg/kg	0.0595	0.0629	47.6*	61.4-133	5.59	20	L705715-03	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0137	0.0229	11.0*	55.1-136	50.0*	23.6	L705715-03	WG727960
Isopropylbenzene	mg/kg	0.0467	0.0541	37.3*	66.8-141	14.8	20	L705715-03	WG727960
Methyl tert-butyl ether	mg/kg	0.117	0.129	93.5	57.7-134	10.1	20	L705715-03	WG727960
Methylene Chloride	mg/kg	0.110	0.127	87.4	58.1-122	14.2	20	L705715-03	WG727960
n-Butylbenzene	mg/kg	0.0304	0.0406	24.3*	62.7-140	28.8*	20	L705715-03	WG727960
n-Propylbenzene	mg/kg	0.0424	0.0496	33.9	10-176	15.5	26.6	L705715-03	WG727960
Naphthalene	mg/kg	0.0397	0.0515	30.2*	58-135	25.8*	25.5	L705715-03	WG727960
p-Isopropyltoluene	mg/kg	0.0305	0.0395	24.4*	63.2-139	25.8*	20.4	L705715-03	WG727960
sec-Butylbenzene	mg/kg	0.0314	0.0394	25.1*	62.2-136	22.6*	20.3	L705715-03	WG727960
Styrene	mg/kg	0.0666	0.0719	53.3*	66.8-133	7.67	20	L705715-03	WG727960
tert-Butylbenzene	mg/kg	0.0377	0.0455	30.1*	63.3-134	18.9	20.3	L705715-03	WG727960
Tetrachloroethene	mg/kg	0.0616	0.0676	49.3*	53-139	9.28	20	L705715-03	WG727960
Toluene	mg/kg	0.0861	0.0911	68.9	61.4-130	5.68	20	L705715-03	WG727960
trans-1,2-Dichloroethene	mg/kg	0.113	0.129	90.1	56.5-129	13.2	20	L705715-03	WG727960

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,3-Dichloropropene	mg/kg	0.0990	0.100	79.2	64.1-128	1.13	20	L705715-03	WG727960
Trichloroethene	mg/kg	0.0948	0.0996	75.8	44.1-149	5.01	20	L705715-03	WG727960
Trichlorofluoromethane	mg/kg	0.105	0.121	83.8	49.6-145	14.7	21.2	L705715-03	WG727960
Vinyl chloride	mg/kg	0.116	0.136	92.8	47.8-137	16.1	20	L705715-03	WG727960
Xylenes, Total	mg/kg	0.180	0.191	47.9*	63.3-131	6.11	20	L705715-03	WG727960
4-Bromofluorobenzene				98.60	71-126				WG727960
Dibromofluoromethane				98.20	78.3-121				WG727960
Toluene-d8				102.0	88.5-111				WG727960
1,1,1,2-Tetrachloroethane	mg/kg	0.123	0.121	98.4	64-128	2.06	20	L705309-01	WG727287
1,1,1-Trichloroethane	mg/kg	0.115	0.118	91.9	58.7-134	2.90	20	L705309-01	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.129	0.129	103.	56-132	0.310	22.2	L705309-01	WG727287
1,1,2-Trichloroethane	mg/kg	0.117	0.119	93.9	66.3-125	1.28	20	L705309-01	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.108	0.113	86.2	54.8-154	4.73	22.5	L705309-01	WG727287
1,1-Dichloroethane	mg/kg	0.111	0.114	88.8	58.5-132	2.89	20	L705309-01	WG727287
1,1-Dichloroethene	mg/kg	0.119	0.127	95.4	51.1-140	6.13	20.2	L705309-01	WG727287
1,1-Dichloropropene	mg/kg	0.108	0.110	86.1	57.3-136	2.25	20	L705309-01	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0614	0.0666	49.1*	59.1-138	8.10	23.7	L705309-01	WG727287
1,2,3-Trichloropropane	mg/kg	0.136	0.132	109.	61.4-128	3.63	22.4	L705309-01	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0945	0.0980	75.6	61.3-122	3.62	20	L705309-01	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0608	0.0665	48.6*	63.6-143	9.07	21.9	L705309-01	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.102	0.106	81.3	57.4-137	4.06	20	L705309-01	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.113	0.109	90.3	57.3-136	3.85	27	L705309-01	WG727287
1,2-Dibromoethane	mg/kg	0.125	0.129	100.	67.1-125	3.07	20	L705309-01	WG727287
1,2-Dichlorobenzene	mg/kg	0.0898	0.0934	71.8	68.2-123	3.94	20	L705309-01	WG727287
1,2-Dichloroethane	mg/kg	0.119	0.117	95.2	60-126	1.81	20	L705309-01	WG727287
1,2-Dichloropropane	mg/kg	0.120	0.122	95.9	64.2-123	1.64	20	L705309-01	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.103	0.107	82.2	63.6-132	4.52	20.5	L705309-01	WG727287
1,3-Dichlorobenzene	mg/kg	0.0952	0.103	76.2	63.1-131	8.23	20	L705309-01	WG727287
1,3-Dichloropropane	mg/kg	0.116	0.120	92.8	67.9-121	3.01	20	L705309-01	WG727287
1,4-Dichlorobenzene	mg/kg	0.0901	0.0960	72.1	68.6-123	6.37	20	L705309-01	WG727287
2,2-Dichloropropane	mg/kg	0.116	0.117	93.0	50.5-144	0.550	21.9	L705309-01	WG727287
2-Butanone (MEK)	mg/kg	0.650	0.650	104.	22.4-138	0.0700	27	L705309-01	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.596	0.635	95.3	10-155	6.33	40	L705309-01	WG727287
2-Chlorotoluene	mg/kg	0.105	0.109	84.1	63.6-128	3.71	20	L705309-01	WG727287
4-Chlorotoluene	mg/kg	0.0997	0.105	79.8	65.7-127	5.15	20	L705309-01	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.757	0.729	121.	60.8-140	3.83	25.1	L705309-01	WG727287
Acetone	mg/kg	0.597	0.581	86.1	10-130	2.66	27.9	L705309-01	WG727287
Acrylonitrile	mg/kg	0.574	0.563	91.8	49.4-133	2.02	25.3	L705309-01	WG727287
Benzene	mg/kg	0.103	0.107	82.6	54.3-133	3.75	20	L705309-01	WG727287
Bromobenzene	mg/kg	0.105	0.109	83.8	63.9-124	3.95	20	L705309-01	WG727287
Bromodichloromethane	mg/kg	0.114	0.116	91.0	63.9-121	2.12	20	L705309-01	WG727287
Bromoform	mg/kg	0.132	0.132	106.	59.5-134	0.0	20.8	L705309-01	WG727287
Bromomethane	mg/kg	0.154	0.143	123.	41.7-155	7.38	20.5	L705309-01	WG727287
Carbon tetrachloride	mg/kg	0.110	0.114	87.8	55.7-134	3.96	20.3	L705309-01	WG727287
Chlorobenzene	mg/kg	0.113	0.119	90.1	67-125	5.60	20	L705309-01	WG727287
Chlorodibromomethane	mg/kg	0.121	0.124	96.6	64.3-125	2.70	20	L705309-01	WG727287
Chloroethane	mg/kg	0.136	0.134	109.	51.5-136	1.80	20.8	L705309-01	WG727287
Chloroform	mg/kg	0.107	0.111	85.9	63-129	3.28	20	L705309-01	WG727287
Chloromethane	mg/kg	0.0921	0.0955	73.6	42.4-135	3.67	20	L705309-01	WG727287
cis-1,2-Dichloroethene	mg/kg	0.106	0.109	84.7	59.2-129	2.77	20	L705309-01	WG727287
cis-1,3-Dichloropropene	mg/kg	0.114	0.120	91.5	66.4-125	4.85	20	L705309-01	WG727287
Di-isopropyl ether	mg/kg	0.116	0.116	92.9	56.9-136	0.170	20	L705309-01	WG727287
Dibromomethane	mg/kg	0.123	0.121	98.8	68.2-124	1.77	20	L705309-01	WG727287
Dichlorodifluoromethane	mg/kg	0.100	0.109	80.1	40.6-144	8.10	20.2	L705309-01	WG727287
Ethylbenzene	mg/kg	0.111	0.120	88.8	61.4-133	7.47	20	L705309-01	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0456	0.0530	36.5*	55.1-136	15.0	23.6	L705309-01	WG727287
Isopropylbenzene	mg/kg	0.108	0.114	86.5	66.8-141	5.23	20	L705309-01	WG727287

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July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Methyl tert-butyl ether	mg/kg	0.120	0.118	96.2	57.7-134	1.79	20	L705309-01	WG727287
Methylene Chloride	mg/kg	0.101	0.102	79.7	58.1-122	1.09	20	L705309-01	WG727287
n-Butylbenzene	mg/kg	0.0687	0.0753	55.0*	62.7-140	9.09	20	L705309-01	WG727287
n-Propylbenzene	mg/kg	0.0970	0.104	77.6	10-176	7.18	26.6	L705309-01	WG727287
Naphthalene	mg/kg	0.0767	0.0794	60.9	58-135	3.46	25.5	L705309-01	WG727287
p-Isopropyltoluene	mg/kg	0.0931	0.0995	74.5	63.2-139	6.61	20.4	L705309-01	WG727287
sec-Butylbenzene	mg/kg	0.0931	0.0984	74.4	62.2-136	5.57	**20.3**	L705309-01	WG727287
Styrene	mg/kg	0.112	0.121	89.6	66.8-133	7.35	20	L705309-01	WG727287
tert-Butylbenzene	mg/kg	0.103	0.109	82.2	63.3-134	6.09	20.3	L705309-01	WG727287
Tetrachloroethene	mg/kg	0.108	0.114	86.2	53-139	5.97	20	L705309-01	WG727287
Toluene	mg/kg	0.107	0.115	85.8	61.4-130	6.53	20	L705309-01	WG727287
trans-1,2-Dichloroethene	mg/kg	0.105	0.108	83.7	56.5-129	2.92	20	L705309-01	WG727287
trans-1,3-Dichloropropene	mg/kg	0.120	0.131	95.6	64.1-128	9.50	20	L705309-01	WG727287
Trichloroethene	mg/kg	0.116	0.115	92.7	44.1-149	0.540	20	L705309-01	WG727287
Trichlorofluoromethane	mg/kg	0.132	0.138	106.	49.6-145	4.20	21.2	L705309-01	WG727287
Vinyl chloride	mg/kg	0.105	0.100	84.2	47.8-137	4.86	20	L705309-01	WG727287
Xylenes, Total	mg/kg	0.331	0.353	88.2	63.3-131	6.42	20	L705309-01	WG727287
4-Bromofluorobenzene				98.60	71-126				WG727287
Dibromofluoromethane				94.30	78.3-121				WG727287
Toluene-d8				99.30	88.5-111				WG727287
Arsenic	mg/kg	56.4	54.2	94.3	75-125	4.00	20	L705269-16	WG727715
Barium	mg/kg	149.	140.	96.3	75-125	6.00	20	L705269-16	WG727715
Cadmium	mg/kg	49.4	50.0	97.6	75-125	1.00	20	L705269-16	WG727715
Chromium	mg/kg	67.1	66.2	94.5	75-125	1.00	20	L705269-16	WG727715
Lead	mg/kg	121.	151.	97.9	75-125	22.0*	20	L705269-16	WG727715
Selenium	mg/kg	39.4	37.7	82.6	75-125	4.00	20	L705269-16	WG727715
Silver	mg/kg	47.8	45.9	94.3	75-125	4.00	20	L705269-16	WG727715
PCB 1016	mg/kg	0.129	0.130	77.2	23.5-134	0.790	25.8	L705269-07	WG727931
PCB 1260	mg/kg	0.119	0.124	71.0	16.1-139	4.52	25.9	L705269-07	WG727931
Decachlorobiphenyl				81.40	10-145				WG727931
Tetrachloro-m-xylene				101.0	21.1-148				WG727931
Lead	mg/kg	54.9	57.2	95.1	75-125	4.00	20	L705269-04	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	44.0	44.1	73.3	50-100	0.290	20	L705269-07	WG727821
o-Terphenyl				72.50	50-150				WG727821
1,1,1,2-Tetrachloroethane	mg/kg	0.111	0.119	88.8	64-128	6.89	20	L706124-09	WG728250
1,1,1-Trichloroethane	mg/kg	0.107	0.117	85.6	58.7-134	9.31	20	L706124-09	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.107	0.115	86.0	56-132	7.03	22.2	L706124-09	WG728250
1,1,2-Trichloroethane	mg/kg	0.115	0.123	91.9	66.3-125	6.72	20	L706124-09	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0993	0.108	79.4	54.8-154	8.18	22.5	L706124-09	WG728250
1,1-Dichloroethane	mg/kg	0.108	0.119	86.6	58.5-132	9.07	20	L706124-09	WG728250
1,1-Dichloroethene	mg/kg	0.108	0.115	86.1	51.1-140	6.43	20.2	L706124-09	WG728250
1,1-Dichloropropene	mg/kg	0.102	0.109	81.8	57.3-136	5.91	20	L706124-09	WG728250
1,2,3-Trichlorobenzene	mg/kg	0.0877	0.0933	70.1	59.1-138	6.19	23.7	L706124-09	WG728250
1,2,3-Trichloropropane	mg/kg	0.116	0.126	92.9	61.4-128	8.35	22.4	L706124-09	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.103	0.113	82.8	61.3-122	8.44	20	L706124-09	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0869	0.0959	69.5	63.6-143	9.79	21.9	L706124-09	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.100	0.106	80.3	57.4-137	5.01	20	L706124-09	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.0970	0.103	77.6	57.3-136	6.07	27	L706124-09	WG728250
1,2-Dibromoethane	mg/kg	0.116	0.121	93.0	67.1-125	3.93	20	L706124-09	WG728250

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dichlorobenzene	mg/kg	0.104	0.115	83.5	68.2-123	9.55	20	L706124-09	WG728250
1,2-Dichloroethane	mg/kg	0.110	0.120	88.0	60-126	8.97	20	L706124-09	WG728250
1,2-Dichloropropane	mg/kg	0.104	0.116	79.2	64.2-123	11.1	20	L706124-09	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.103	0.108	82.3	63.6-132	4.91	20.5	L706124-09	WG728250
1,3-Dichlorobenzene	mg/kg	0.105	0.110	84.2	63.1-131	4.63	20	L706124-09	WG728250
1,3-Dichloropropane	mg/kg	0.112	0.118	89.2	67.9-121	5.92	20	L706124-09	WG728250
1,4-Dichlorobenzene	mg/kg	0.103	0.112	82.6	68.6-123	7.75	20	L706124-09	WG728250
2,2-Dichloropropane	mg/kg	0.106	0.114	84.5	50.5-144	7.93	21.9	L706124-09	WG728250
2-Butanone (MEK)	mg/kg	0.514	0.541	82.0	22.4-138	5.21	27	L706124-09	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.590	0.635	94.3	10-155	7.46	40	L706124-09	WG728250
2-Chlorotoluene	mg/kg	0.105	0.111	83.8	63.6-128	5.97	20	L706124-09	WG728250
4-Chlorotoluene	mg/kg	0.101	0.108	81.0	65.7-127	6.20	20	L706124-09	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.563	0.600	90.1	60.8-140	6.31	25.1	L706124-09	WG728250
Acetone	mg/kg	0.503	0.531	79.0	10-130	5.39	27.9	L706124-09	WG728250
Acrylonitrile	mg/kg	0.517	0.537	82.7	49.4-133	3.78	25.3	L706124-09	WG728250
Benzene	mg/kg	0.108	0.116	86.1	54.3-133	7.52	20	L706124-09	WG728250
Bromobenzene	mg/kg	0.104	0.110	82.8	63.9-124	6.48	20	L706124-09	WG728250
Bromodichloromethane	mg/kg	0.108	0.117	86.2	63.9-121	8.35	20	L706124-09	WG728250
Bromoform	mg/kg	0.112	0.117	89.5	59.5-134	4.46	20.8	L706124-09	WG728250
Bromomethane	mg/kg	0.161	0.163	128.	41.7-155	1.68	20.5	L706124-09	WG728250
Carbon tetrachloride	mg/kg	0.106	0.114	84.6	55.7-134	7.52	20.3	L706124-09	WG728250
Chlorobenzene	mg/kg	0.115	0.121	92.2	67-125	5.25	20	L706124-09	WG728250
Chlorodibromomethane	mg/kg	0.112	0.120	89.4	64.3-125	7.52	20	L706124-09	WG728250
Chloroethane	mg/kg	0.127	0.135	102.	51.5-136	6.28	20.8	L706124-09	WG728250
Chloroform	mg/kg	0.108	0.117	86.3	63-129	8.18	20	L706124-09	WG728250
Chloromethane	mg/kg	0.108	0.110	86.6	42.4-135	1.38	20	L706124-09	WG728250
cis-1,2-Dichloroethene	mg/kg	0.114	0.126	91.1	59.2-129	10.4	20	L706124-09	WG728250
cis-1,3-Dichloropropene	mg/kg	0.108	0.118	86.5	66.4-125	8.36	20	L706124-09	WG728250
Di-isopropyl ether	mg/kg	0.106	0.115	84.8	56.9-136	8.45	20	L706124-09	WG728250
Dibromomethane	mg/kg	0.114	0.125	91.6	68.2-124	9.03	20	L706124-09	WG728250
Dichlorodifluoromethane	mg/kg	0.108	0.117	86.2	40.6-144	8.14	20.2	L706124-09	WG728250
Ethylbenzene	mg/kg	0.107	0.113	85.8	61.4-133	5.37	20	L706124-09	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0669	0.0685	53.6*	55.1-136	2.31	23.6	L706124-09	WG728250
Isopropylbenzene	mg/kg	0.104	0.108	83.4	66.8-141	3.90	20	L706124-09	WG728250
Methyl tert-butyl ether	mg/kg	0.114	0.124	91.3	57.7-134	7.88	20	L706124-09	WG728250
Methylene Chloride	mg/kg	0.115	0.124	92.0	58.1-122	7.37	20	L706124-09	WG728250
n-Butylbenzene	mg/kg	0.0806	0.0865	64.5	62.7-140	7.04	20	L706124-09	WG728250
n-Propylbenzene	mg/kg	0.0992	0.103	79.4	10-176	3.40	26.6	L706124-09	WG728250
Naphthalene	mg/kg	0.0958	0.102	76.4	58-135	6.38	25.5	L706124-09	WG728250
p-Isopropyltoluene	mg/kg	0.0924	0.0960	73.9	63.2-139	3.79	20.4	L706124-09	WG728250
sec-Butylbenzene	mg/kg	0.0949	0.0989	75.9	62.2-136	4.16	20.3	L706124-09	WG728250
Styrene	mg/kg	0.111	0.117	88.6	66.8-133	5.73	20	L706124-09	WG728250
tert-Butylbenzene	mg/kg	0.0975	0.102	78.0	63.3-134	4.87	20.3	L706124-09	WG728250
Tetrachloroethene	mg/kg	0.108	0.115	86.2	53-139	6.18	20	L706124-09	WG728250
Toluene	mg/kg	0.106	0.115	84.5	61.4-130	8.04	20	L706124-09	WG728250
trans-1,2-Dichloroethene	mg/kg	0.110	0.118	87.8	56.5-129	7.33	20	L706124-09	WG728250
trans-1,3-Dichloropropene	mg/kg	0.112	0.119	88.2	64.1-128	5.77	20	L706124-09	WG728250
Trichloroethene	mg/kg	0.110	0.121	88.1	44.1-149	9.72	20	L706124-09	WG728250
Trichlorofluoromethane	mg/kg	0.114	0.123	91.2	49.6-145	8.02	21.2	L706124-09	WG728250
Vinyl chloride	mg/kg	0.107	0.112	85.9	47.8-137	4.32	20	L706124-09	WG728250
Xylenes, Total	mg/kg	0.323	0.338	86.0	63.3-131	4.69	20	L706124-09	WG728250
4-Bromofluorobenzene				94.80	71-126				WG728250
Dibromofluoromethane				96.80	78.3-121				WG728250
Toluene-d8				96.60	88.5-111				WG728250
TPH (GC/FID) Low Fraction	mg/kg	0.469	0.546	44.3*	50-100	15.2	20	L705269-07	WG727346
a,a,a-Trifluorotoluene(FID)				106.0	50-150				WG727346

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Acenaphthene	mg/kg	0.310	0.317	77.5	48.3-126	2.22	20	L705938-01	WG728031
Acenaphthylene	mg/kg	0.323	0.324	80.8	48.7-128	0.320	20	L705938-01	WG728031
Anthracene	mg/kg	0.327	0.313	81.7	41-133	4.36	20	L705938-01	WG728031
Benzo(a)anthracene	mg/kg	0.314	0.299	78.6	31.6-136	4.86	20	L705938-01	WG728031
Benzo(a)pyrene	mg/kg	0.305	0.301	76.1	28-137	1.30	20.5	L705938-01	WG728031
Benzo(b)fluoranthene	mg/kg	0.301	0.313	75.2	24-134	4.10	24.3	L705938-01	WG728031
Benzo(g,h,i)perylene	mg/kg	0.258	0.278	64.6	19.1-139	7.23	23.4	L705938-01	WG728031
Benzo(k)fluoranthene	mg/kg	0.323	0.289	80.6	30.4-134	10.9	24.7	L705938-01	WG728031
Chrysene	mg/kg	0.297	0.300	74.3	32.4-137	0.870	20	L705938-01	WG728031
Dibenz(a,h)anthracene	mg/kg	0.284	0.301	71.1	30.3-135	5.56	22.5	L705938-01	WG728031
Fluoranthene	mg/kg	0.337	0.326	84.3	32.8-139	3.45	20	L705938-01	WG728031
Fluorene	mg/kg	0.305	0.312	76.3	43-129	2.37	20	L705938-01	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.283	0.283	70.8	22.3-139	0.100	23.6	L705938-01	WG728031
Naphthalene	mg/kg	0.297	0.292	74.2	38.1-135	1.57	20	L705938-01	WG728031
Phenanthrene	mg/kg	0.327	0.311	81.7	36.2-134	5.00	20	L705938-01	WG728031
Pyrene	mg/kg	0.347	0.343	86.8	30.3-144	1.12	21.7	L705938-01	WG728031
2-Fluorobiphenyl				76.40	41.4-134				WG728031
Nitrobenzene-d5				77.90	28.3-148				WG728031
p-Terphenyl-d14				88.10	35.8-140				WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.129	0.130	103.	64-128	1.09	20	L705784-02	WG727848
1,1,1-Trichloroethane	mg/kg	0.108	0.110	86.6	58.7-134	1.26	20	L705784-02	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.123	0.126	98.4	56-132	2.81	22.2	L705784-02	WG727848
1,1,2-Trichloroethane	mg/kg	0.129	0.129	103.	66.3-125	0.170	20	L705784-02	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.101	0.107	81.0	54.8-154	5.10	22.5	L705784-02	WG727848
1,1-Dichloroethane	mg/kg	0.105	0.106	83.7	58.5-132	0.910	20	L705784-02	WG727848
1,1-Dichloroethene	mg/kg	0.0962	0.0987	76.9	51.1-140	2.56	20.2	L705784-02	WG727848
1,1-Dichloropropene	mg/kg	0.0998	0.104	79.8	57.3-136	4.29	20	L705784-02	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0881	0.0976	70.5	59.1-138	10.2	23.7	L705784-02	WG727848
1,2,3-Trichloropropane	mg/kg	0.125	0.127	100.	61.4-128	1.48	22.4	L705784-02	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.0957	0.103	76.6	61.3-122	7.60	20	L705784-02	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0866	0.0964	69.3	63.6-143	10.7	21.9	L705784-02	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.103	0.112	82.6	57.4-137	8.27	20	L705784-02	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.117	0.124	93.3	57.3-136	6.42	27	L705784-02	WG727848
1,2-Dibromoethane	mg/kg	0.129	0.130	103.	67.1-125	0.920	20	L705784-02	WG727848
1,2-Dichlorobenzene	mg/kg	0.102	0.110	81.5	68.2-123	7.54	20	L705784-02	WG727848
1,2-Dichloroethane	mg/kg	0.101	0.0993	80.7	60-126	1.62	20	L705784-02	WG727848
1,2-Dichloropropane	mg/kg	0.110	0.109	87.9	64.2-123	0.860	20	L705784-02	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.105	0.114	83.7	63.6-132	8.17	20.5	L705784-02	WG727848
1,3-Dichlorobenzene	mg/kg	0.109	0.118	86.8	63.1-131	8.13	20	L705784-02	WG727848
1,3-Dichloropropane	mg/kg	0.119	0.118	95.1	67.9-121	0.320	20	L705784-02	WG727848
1,4-Dichlorobenzene	mg/kg	0.0935	0.103	74.8	68.6-123	9.75	20	L705784-02	WG727848
2,2-Dichloropropane	mg/kg	0.108	0.107	86.1	50.5-144	0.880	21.9	L705784-02	WG727848
2-Butanone (MEK)	mg/kg	0.487	0.496	76.8	22.4-138	1.74	27	L705784-02	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.649	0.655	104.	10-155	0.960	40	L705784-02	WG727848
2-Chlorotoluene	mg/kg	0.113	0.120	90.1	63.6-128	6.65	20	L705784-02	WG727848
4-Chlorotoluene	mg/kg	0.101	0.108	80.5	65.7-127	7.18	20	L705784-02	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.521	0.526	83.3	60.8-140	0.960	25.1	L705784-02	WG727848
Acetone	mg/kg	0.560	0.568	78.9	10-130	1.51	27.9	L705784-02	WG727848
Acrylonitrile	mg/kg	0.534	0.520	85.5	49.4-133	2.62	25.3	L705784-02	WG727848
Benzene	mg/kg	0.107	0.108	86.0	54.3-133	0.760	20	L705784-02	WG727848
Bromobenzene	mg/kg	0.101	0.106	80.7	63.9-124	5.00	20	L705784-02	WG727848
Bromodichloromethane	mg/kg	0.113	0.111	90.2	63.9-121	1.88	20	L705784-02	WG727848
Bromoform	mg/kg	0.136	0.138	109.	59.5-134	1.72	20.8	L705784-02	WG727848
Bromomethane	mg/kg	0.109	0.113	87.3	41.7-155	3.54	20.5	L705784-02	WG727848
Carbon tetrachloride	mg/kg	0.109	0.112	87.5	55.7-134	2.47	20.3	L705784-02	WG727848
Chlorobenzene	mg/kg	0.121	0.125	96.7	67-125	3.63	20	L705784-02	WG727848

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Chlorodibromomethane	mg/kg	0.132	0.132	105.	64.3-125	0.240	20	L705784-02	WG727848
Chloroethane	mg/kg	0.0947	0.0938	75.8	51.5-136	0.990	20.8	L705784-02	WG727848
Chloroform	mg/kg	0.106	0.108	84.5	63-129	1.80	20	L705784-02	WG727848
Chloromethane	mg/kg	0.0993	0.102	79.5	42.4-135	2.66	20	L705784-02	WG727848
cis-1,2-Dichloroethene	mg/kg	0.118	0.120	93.2	59.2-129	1.45	20	L705784-02	WG727848
cis-1,3-Dichloropropene	mg/kg	0.114	0.115	91.2	66.4-125	0.560	20	L705784-02	WG727848
Di-isopropyl ether	mg/kg	0.0966	0.0982	77.3	56.9-136	1.62	20	L705784-02	WG727848
Dibromomethane	mg/kg	0.120	0.116	95.8	68.2-124	3.31	20	L705784-02	WG727848
Dichlorodifluoromethane	mg/kg	0.106	0.109	84.6	40.6-144	3.32	20.2	L705784-02	WG727848
Ethylbenzene	mg/kg	0.120	0.127	96.0	61.4-133	5.29	20	L705784-02	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0641	0.0819	51.3*	55.1-136	24.3*	23.6	L705784-02	WG727848
Isopropylbenzene	mg/kg	0.110	0.118	88.2	66.8-141	6.56	20	L705784-02	WG727848
Methyl tert-butyl ether	mg/kg	0.109	0.110	87.0	57.7-134	0.880	20	L705784-02	WG727848
Methylene Chloride	mg/kg	0.109	0.110	87.1	58.1-122	1.08	20	L705784-02	WG727848
n-Butylbenzene	mg/kg	0.0802	0.0909	64.2	62.7-140	12.5	20	L705784-02	WG727848
n-Propylbenzene	mg/kg	0.103	0.113	82.6	10-176	8.82	26.6	L705784-02	WG727848
Naphthalene	mg/kg	0.0970	0.103	77.6	58-135	5.81	25.5	L705784-02	WG727848
p-Isopropyltoluene	mg/kg	0.102	0.113	81.3	63.2-139	10.9	20.4	L705784-02	WG727848
sec-Butylbenzene	mg/kg	0.0993	0.110	79.5	62.2-136	10.2	20.3	L705784-02	WG727848
Styrene	mg/kg	0.117	0.124	93.7	66.8-133	5.43	20	L705784-02	WG727848
tert-Butylbenzene	mg/kg	0.108	0.118	86.2	63.3-134	8.74	20.3	L705784-02	WG727848
Tetrachloroethene	mg/kg	0.120	0.128	95.8	53-139	6.39	20	L705784-02	WG727848
Toluene	mg/kg	0.111	0.112	88.9	61.4-130	0.290	20	L705784-02	WG727848
trans-1,2-Dichloroethene	mg/kg	0.115	0.117	92.3	56.5-129	1.42	20	L705784-02	WG727848
trans-1,3-Dichloropropene	mg/kg	0.132	0.130	105.	64.1-128	1.17	20	L705784-02	WG727848
Trichloroethene	mg/kg	0.117	0.120	93.8	44.1-149	2.73	20	L705784-02	WG727848
Trichlorofluoromethane	mg/kg	0.0985	0.105	78.8	49.6-145	6.56	21.2	L705784-02	WG727848
Vinyl chloride	mg/kg	0.0964	0.0993	77.1	47.8-137	2.94	20	L705784-02	WG727848
Xylenes, Total	mg/kg	0.352	0.364	93.7	63.3-131	3.49	20	L705784-02	WG727848
4-Bromofluorobenzene				97.20	71-126				WG727848
Dibromofluoromethane				90.30	78.3-121				WG727848
Toluene-d8				95.30	88.5-111				WG727848
Extractable Petroleum Hydrocarbon	mg/kg	48.7	51.5	81.1	50-100	5.64	20	L705269-26	WG728024
o-Terphenyl				82.70	50-150				WG728024
TPH (GC/FID) Low Fraction	mg/kg	0.503	0.573	48.8*	50-100	13.1	20	L705269-23	WG727349
a,a,a-Trifluorotoluene(FID)				88.20	50-150				WG727349
PCB 1016	mg/kg	0.134	0.122	80.4	23.5-134	9.66	25.8	L705269-13	WG728030
PCB 1260	mg/kg	0.121	0.116	72.4	16.1-139	4.55	25.9	L705269-13	WG728030
Decachlorobiphenyl				66.70	10-145				WG728030
Tetrachloro-m-xylene				86.60	21.1-148				WG728030
Acenaphthene	mg/kg	0.396	0.398	98.9	48.3-126	0.680	20	L705269-21	WG728071
Acenaphthylene	mg/kg	0.417	0.423	104.	48.7-128	1.59	20	L705269-21	WG728071
Anthracene	mg/kg	0.391	0.386	97.7	41-133	1.16	20	L705269-21	WG728071
Benzo(a)anthracene	mg/kg	0.368	0.360	92.1	31.6-136	2.22	20	L705269-21	WG728071
Benzo(a)pyrene	mg/kg	0.383	0.383	95.7	28-137	0.0300	20.5	L705269-21	WG728071
Benzo(b)fluoranthene	mg/kg	0.339	0.355	84.7	24-134	4.60	24.3	L705269-21	WG728071
Benzo(g,h,i)perylene	mg/kg	0.386	0.380	96.5	19.1-139	1.67	23.4	L705269-21	WG728071
Benzo(k)fluoranthene	mg/kg	0.372	0.350	93.0	30.4-134	6.24	24.7	L705269-21	WG728071
Chrysene	mg/kg	0.386	0.383	96.6	32.4-137	0.820	20	L705269-21	WG728071
Dibenz(a,h)anthracene	mg/kg	0.391	0.385	97.8	30.3-135	1.75	22.5	L705269-21	WG728071
Fluoranthene	mg/kg	0.361	0.348	90.4	32.8-139	3.88	20	L705269-21	WG728071

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Quality Assurance Report
Level II

L705269

July 15, 2014

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Fluorene	mg/kg	0.387	0.384	96.7	43-129	0.770	20	L705269-21	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.381	0.376	95.4	22.3-139	1.35	23.6	L705269-21	WG728071
Naphthalene	mg/kg	0.378	0.375	94.5	38.1-135	0.930	20	L705269-21	WG728071
Phenanthrene	mg/kg	0.385	0.377	96.2	36.2-134	1.94	20	L705269-21	WG728071
Pyrene	mg/kg	0.390	0.381	97.6	30.3-144	2.41	21.7	L705269-21	WG728071
2-Fluorobiphenyl				101.0	41.4-134				WG728071
Nitrobenzene-d5				92.30	28.3-148				WG728071
p-Terphenyl-d14				112.0	35.8-140				WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.321	0.480	31.3*	50-100	39.6*	20	L706639-02	WG728614
a,a,a-Trifluorotoluene(FID)				106.0	50-150				WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.414	0.465	39.6*	50-100	11.4	20	L705269-22	WG728761
a,a,a-Trifluorotoluene(FID)				99.40	50-150				WG728761
Extractable Petroleum Hydrocarbon	mg/kg	57.8	63.0	90.0	50-100	8.56	20	L706006-02	WG728630
o-Terphenyl				70.60	50-150				WG728630

Post Spike

Serial Dilution

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Quality Assurance Report
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L705269

July 15, 2014

Serial Dilution

Batch number /Run number / Sample number cross reference

WG727143: R2944872: L705269-01 03 04 05 06 07 08 09 10 11 12 13
WG727205: R2944873: L705269-02 14 15 16 17 18 19 20 21 22 23 24 25
WG727265: R2945330: L705269-27
WG727286: R2945490: L705269-07 08 09 10 11 12 14 15 16 17
WG727502: R2946166 R2947389: L705269-01 02 03 04 05 06 07 08 09 10 11 12
WG727624: R2946167: L705269-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
WG727846: R2946248: L705269-01 02 19 20 21
WG727960: R2946607: L705269-13 18
WG727937: R2946828: L705269-13
WG727931: R2946866 R2947593: L705269-01 02 03 04 05 06 07 08 09 10 11
WG727287: R2946945: L705269-22 23 24 25
WG727715: R2947105: L705269-16 17 18 19 20 21 22 23 24 25
WG727984: R2947413 R2947488: L705269-04
WG727821: R2947586: L705269-01 02 03 04 05 06 07 08 09
WG728031: R2947909 R2948309: L705269-14 15 16 17 18 19 20
WG728250: R2947950: L705269-03 04 06 16 25
WG727346: R2948246: L705269-07 08 09 10 11 14 15 20
WG727848: R2948567: L705269-05 24
WG728024: R2948952: L705269-10 11 12 13 14 15 16 17 18 19 20 21 22 23
WG727349: R2949317: L705269-01 03 06 12 13 16 17 18 19 21 23 24 25
WG728030: R2949629: L705269-12 13 14 15 16 17 18 19 20 21 22 23 24 25
WG728071: R2949630: L705269-21 22 23 24 25
WG728614: R2949729: L705269-02 04
WG728761: R2950187: L705269-22
WG728630: R2951726 R2952710: L705269-24 25
WG730928: R2959558: L705269-24

* * Calculations are performed prior to rounding of reported values.
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1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Tuesday July 15, 2014

Report Number: L705269
Samples Received: 06/18/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.030	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.6	2.0	mg/kg	6010B	06/22/14	1
Barium	59.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	22.	1.0	mg/kg	6010B	06/22/14	1
Lead	15.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.1	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	3.2	1.3	mg/kg	TNGRO	06/25/14	12.75
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	79.5		% Rec.	TNGRO	06/25/14	12.75
Volatile Organics						
Acetone	BDL	0.64	mg/kg	8260B	06/21/14	12.75
Acrylonitrile	BDL	0.13	mg/kg	8260B	06/21/14	12.75
Benzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromodichloromethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromoform	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Bromomethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
n-Butylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
sec-Butylbenzene	0.035	0.013	mg/kg	8260B	06/21/14	12.75
tert-Butylbenzene	0.024	0.013	mg/kg	8260B	06/21/14	12.75
Carbon tetrachloride	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Chlorobenzene	0.026	0.013	mg/kg	8260B	06/21/14	12.75
Chlorodibromomethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Chloroethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
2-Chloroethyl vinyl ether	BDL	0.64	mg/kg	8260B	06/21/14	12.75
Chloroform	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Chloromethane	BDL	0.032	mg/kg	8260B	06/21/14	12.75
2-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
4-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dibromo-3-Chloropropane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2-Dibromoethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Dibromomethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,4-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Dichlorodifluoromethane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,1-Dichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
cis-1,2-Dichloroethene	0.17	0.013	mg/kg	8260B	06/21/14	12.75
trans-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
cis-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
trans-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
2,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Di-isopropyl ether	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Ethylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Hexachloro-1,3-butadiene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Isopropylbenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
p-Isopropyltoluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Methylene Chloride	BDL	0.13	mg/kg	8260B	06/21/14	12.75
4-Methyl-2-pentanone (MIBK)	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Methyl tert-butyl ether	BDL	0.13	mg/kg	8260B	06/21/14	12.75
Naphthalene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
n-Propylbenzene	BDL	0.064	mg/kg	8260B	06/21/14	12.75
Styrene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,1,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2-Trichlorotrifluoroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Tetrachloroethene	1.6	0.013	mg/kg	8260B	06/21/14	12.75
Toluene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2,3-Trichlorobenzene	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2,4-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,1-Trichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,1,2-Trichloroethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
Trichloroethene	0.50	0.013	mg/kg	8260B	06/21/14	12.75
Trichlorofluoromethane	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,2,3-Trichloropropane	BDL	0.064	mg/kg	8260B	06/21/14	12.75
1,2,4-Trimethylbenzene	0.18	0.032	mg/kg	8260B	06/21/14	12.75
1,2,3-Trimethylbenzene	0.048	0.013	mg/kg	8260B	06/21/14	12.75
Vinyl chloride	BDL	0.013	mg/kg	8260B	06/21/14	12.75
1,3,5-Trimethylbenzene	0.050	0.013	mg/kg	8260B	06/21/14	12.75
Xylenes, Total	BDL	0.038	mg/kg	8260B	06/21/14	12.75
Surrogate Recovery						
Toluene-d8	97.4		% Rec.	8260B	06/21/14	12.75
Dibromofluoromethane	98.0		% Rec.	8260B	06/21/14	12.75
4-Bromofluorobenzene	113.		% Rec.	8260B	06/21/14	12.75
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 2-4FT

Collected By :
Collection Date : 06/16/14 11:30

ESC Sample # : L705269-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	63.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	0.19	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	0.25	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	0.37	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	0.22	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	0.11	0.033	mg/kg	8270C	06/22/14	1
Chrysene	0.24	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	0.053	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	0.35	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	0.17	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	0.068	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	0.18	0.033	mg/kg	8270C	06/22/14	1
Pyrene	0.30	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	79.4		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	65.5		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	67.8		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	73.1		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	94.7		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:48

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.033	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	120	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	28.	5.0	mg/kg	6010B	06/22/14	5
Lead	12.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.70	mg/kg	8260B	06/21/14	14
Acrylonitrile	BDL	0.14	mg/kg	8260B	06/21/14	14
Benzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromodichloromethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromoform	BDL	0.014	mg/kg	8260B	06/21/14	14
Bromomethane	BDL	0.070	mg/kg	8260B	06/21/14	14
n-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
sec-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
tert-Butylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Carbon tetrachloride	BDL	0.014	mg/kg	8260B	06/21/14	14
Chlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Chlorodibromomethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Chloroethane	BDL	0.070	mg/kg	8260B	06/21/14	14
2-Chloroethyl vinyl ether	BDL	0.70	mg/kg	8260B	06/21/14	14
Chloroform	BDL	0.070	mg/kg	8260B	06/21/14	14
Chloromethane	BDL	0.035	mg/kg	8260B	06/21/14	14
2-Chlorotoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
4-Chlorotoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dibromo-3-Chloropropane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2-Dibromoethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Dibromomethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,4-Dichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Dichlorodifluoromethane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,1-Dichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
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Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.014	mg/kg	8260B	06/21/14	14
cis-1,2-Dichloroethene	0.073	0.014	mg/kg	8260B	06/21/14	14
trans-1,2-Dichloroethene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
cis-1,3-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
trans-1,3-Dichloropropene	BDL	0.014	mg/kg	8260B	06/21/14	14
2,2-Dichloropropane	BDL	0.014	mg/kg	8260B	06/21/14	14
Di-isopropyl ether	BDL	0.014	mg/kg	8260B	06/21/14	14
Ethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Hexachloro-1,3-butadiene	BDL	0.014	mg/kg	8260B	06/21/14	14
Isopropylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
p-Isopropyltoluene	BDL	0.014	mg/kg	8260B	06/21/14	14
2-Butanone (MEK)	BDL	0.14	mg/kg	8260B	06/21/14	14
Methylene Chloride	BDL	0.070	mg/kg	8260B	06/21/14	14
4-Methyl-2-pentanone (MIBK)	BDL	0.14	mg/kg	8260B	06/21/14	14
Methyl tert-butyl ether	BDL	0.014	mg/kg	8260B	06/21/14	14
Naphthalene	BDL	0.070	mg/kg	8260B	06/21/14	14
n-Propylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Styrene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,1,2-Tetrachloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2,2-Tetrachloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2-Trichlorotrifluoroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Tetrachloroethene	0.11	0.014	mg/kg	8260B	06/21/14	14
Toluene	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2,3-Trichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2,4-Trichlorobenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,1-Trichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
1,1,2-Trichloroethane	BDL	0.014	mg/kg	8260B	06/21/14	14
Trichloroethene	0.058	0.014	mg/kg	8260B	06/21/14	14
Trichlorofluoromethane	BDL	0.070	mg/kg	8260B	06/21/14	14
1,2,3-Trichloropropane	BDL	0.035	mg/kg	8260B	06/21/14	14
1,2,4-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
1,2,3-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Vinyl chloride	BDL	0.014	mg/kg	8260B	06/21/14	14
1,3,5-Trimethylbenzene	BDL	0.014	mg/kg	8260B	06/21/14	14
Xylenes, Total	BDL	0.042	mg/kg	8260B	06/21/14	14
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	06/21/14	14
Dibromofluoromethane	97.4		% Rec.	8260B	06/21/14	14
4-Bromofluorobenzene	101.		% Rec.	8260B	06/21/14	14
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-1 4-7FT

Collected By :
Collection Date : 06/16/14 11:40

ESC Sample # : L705269-02

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	62.3		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	68.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	67.4		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	71.3		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	73.7		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	92.3		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	110	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	28.	5.0	mg/kg	6010B	06/22/14	5
Lead	12.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	330	59.	mg/kg	TNGRO	06/25/14	590
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	92.		% Rec.	TNGRO	06/25/14	590
Volatile Organics						
Acetone	BDL	15.	mg/kg	8260B	06/24/14	295
Acrylonitrile	BDL	3.0	mg/kg	8260B	06/24/14	295
Benzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromodichloromethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromoform	BDL	0.30	mg/kg	8260B	06/24/14	295
Bromomethane	BDL	1.5	mg/kg	8260B	06/24/14	295
n-Butylbenzene	3.1	0.30	mg/kg	8260B	06/24/14	295
sec-Butylbenzene	2.6	0.30	mg/kg	8260B	06/24/14	295
tert-Butylbenzene	0.85	0.30	mg/kg	8260B	06/24/14	295
Carbon tetrachloride	BDL	0.30	mg/kg	8260B	06/24/14	295
Chlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Chlorodibromomethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Chloroethane	BDL	1.5	mg/kg	8260B	06/24/14	295
2-Chloroethyl vinyl ether	BDL	15.	mg/kg	8260B	06/24/14	295
Chloroform	BDL	1.5	mg/kg	8260B	06/24/14	295
Chloromethane	BDL	0.74	mg/kg	8260B	06/24/14	295
2-Chlorotoluene	BDL	0.30	mg/kg	8260B	06/24/14	295
4-Chlorotoluene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dibromo-3-Chloropropane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2-Dibromoethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Dibromomethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichlorobenzene	1.1	0.30	mg/kg	8260B	06/24/14	295
1,3-Dichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,4-Dichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
Dichlorodifluoromethane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,1-Dichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
cis-1,2-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
trans-1,2-Dichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,3-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
cis-1,3-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
trans-1,3-Dichloropropene	BDL	0.30	mg/kg	8260B	06/24/14	295
2,2-Dichloropropane	BDL	0.30	mg/kg	8260B	06/24/14	295
Di-isopropyl ether	BDL	0.30	mg/kg	8260B	06/24/14	295
Ethylbenzene	0.34	0.30	mg/kg	8260B	06/24/14	295
Hexachloro-1,3-butadiene	BDL	0.30	mg/kg	8260B	06/24/14	295
Isopropylbenzene	0.76	0.30	mg/kg	8260B	06/24/14	295
p-Isopropyltoluene	2.9	0.30	mg/kg	8260B	06/24/14	295
2-Butanone (MEK)	BDL	3.0	mg/kg	8260B	06/24/14	295
Methylene Chloride	BDL	1.5	mg/kg	8260B	06/24/14	295
4-Methyl-2-pentanone (MIBK)	BDL	3.0	mg/kg	8260B	06/24/14	295
Methyl tert-butyl ether	BDL	0.30	mg/kg	8260B	06/24/14	295
Naphthalene	3.6	1.5	mg/kg	8260B	06/24/14	295
n-Propylbenzene	2.5	0.30	mg/kg	8260B	06/24/14	295
Styrene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,1,2-Tetrachloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2,2-Tetrachloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2-Trichlorotrifluoroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Tetrachloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
Toluene	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2,3-Trichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,2,4-Trichlorobenzene	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,1-Trichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
1,1,2-Trichloroethane	BDL	0.30	mg/kg	8260B	06/24/14	295
Trichloroethene	BDL	0.30	mg/kg	8260B	06/24/14	295
Trichlorofluoromethane	BDL	1.5	mg/kg	8260B	06/24/14	295
1,2,3-Trichloropropane	BDL	0.74	mg/kg	8260B	06/24/14	295
1,2,4-Trimethylbenzene	25.	0.30	mg/kg	8260B	06/24/14	295
1,2,3-Trimethylbenzene	7.7	0.30	mg/kg	8260B	06/24/14	295
Vinyl chloride	BDL	0.30	mg/kg	8260B	06/24/14	295
1,3,5-Trimethylbenzene	7.3	0.30	mg/kg	8260B	06/24/14	295
Xylenes, Total	BDL	0.88	mg/kg	8260B	06/24/14	295
Surrogate Recovery						
Toluene-d8	96.0		% Rec.	8260B	06/24/14	295
Dibromofluoromethane	96.3		% Rec.	8260B	06/24/14	295
4-Bromofluorobenzene	138.		% Rec.	8260B	06/24/14	295
Extractable Petroleum Hydrocarb	320	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-2 10-15FT

Collected By :
Collection Date : 06/16/14 11:55

ESC Sample # : L705269-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	68.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	0.057	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	8.2	0.66	mg/kg	8270C	06/23/14	20
Phenanthrene	0.053	0.033	mg/kg	8270C	06/21/14	1
Pyrene	0.050	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	207.		% Rec.	8270C	06/23/14	20
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	82.1		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	77.8		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	92.2		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
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July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.027	0.020	mg/kg	7471	06/19/14	1
Arsenic	2.7	2.0	mg/kg	6010B	06/22/14	1
Barium	90.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	7.4	2.5	mg/kg	6010B	06/23/14	5
Selenium	5.0	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/26/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	89.4		% Rec.	TNGRO	06/26/14	1
Volatile Organics						
Acetone	BDL	0.61	mg/kg	8260B	06/24/14	12.25
Acrylonitrile	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Benzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromodichloromethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromoform	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Bromomethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
n-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
sec-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
tert-Butylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Carbon tetrachloride	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chlorodibromomethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Chloroethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
2-Chloroethyl vinyl ether	BDL	0.61	mg/kg	8260B	06/24/14	12.25
Chloroform	BDL	0.061	mg/kg	8260B	06/24/14	12.25
Chloromethane	BDL	0.031	mg/kg	8260B	06/24/14	12.25
2-Chlorotoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
4-Chlorotoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dibromo-3-Chloropropane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2-Dibromoethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Dibromomethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,4-Dichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Dichlorodifluoromethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,1-Dichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
cis-1,2-Dichloroethene	0.018	0.012	mg/kg	8260B	06/24/14	12.25
trans-1,2-Dichloroethene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
cis-1,3-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
trans-1,3-Dichloropropene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
2,2-Dichloropropane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Di-isopropyl ether	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Ethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Hexachloro-1,3-butadiene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Isopropylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
p-Isopropyltoluene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
2-Butanone (MEK)	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Methylene Chloride	BDL	0.061	mg/kg	8260B	06/24/14	12.25
4-Methyl-2-pentanone (MIBK)	BDL	0.12	mg/kg	8260B	06/24/14	12.25
Methyl tert-butyl ether	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Naphthalene	BDL	0.061	mg/kg	8260B	06/24/14	12.25
n-Propylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Styrene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,1,2-Tetrachloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2,2-Tetrachloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2-Trichlorotrifluoroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Tetrachloroethene	0.57	0.012	mg/kg	8260B	06/24/14	12.25
Toluene	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2,3-Trichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2,4-Trichlorobenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,1-Trichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,1,2-Trichloroethane	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Trichloroethene	0.073	0.012	mg/kg	8260B	06/24/14	12.25
Trichlorofluoromethane	BDL	0.061	mg/kg	8260B	06/24/14	12.25
1,2,3-Trichloropropane	BDL	0.031	mg/kg	8260B	06/24/14	12.25
1,2,4-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,2,3-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Vinyl chloride	BDL	0.012	mg/kg	8260B	06/24/14	12.25
1,3,5-Trimethylbenzene	BDL	0.012	mg/kg	8260B	06/24/14	12.25
Xylenes, Total	BDL	0.037	mg/kg	8260B	06/24/14	12.25
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	06/24/14	12.25
Dibromofluoromethane	94.5		% Rec.	8260B	06/24/14	12.25
4-Bromofluorobenzene	95.5		% Rec.	8260B	06/24/14	12.25
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-5 5-7FT

Collected By :
Collection Date : 06/16/14 12:23

ESC Sample # : L705269-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	59.7		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	62.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	64.7		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	60.4		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	74.3		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	96.4		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.39	0.020	mg/kg	7471	06/19/14	1
Arsenic	10.	2.0	mg/kg	6010B	06/22/14	1
Barium	130	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.88	0.50	mg/kg	6010B	06/22/14	1
Chromium	31.	1.0	mg/kg	6010B	06/22/14	1
Lead	57.	0.50	mg/kg	6010B	06/22/14	1
Selenium	11.	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	11.	1.6	mg/kg	TNGRO	06/26/14	16
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	98.		% Rec.	TNGRO	06/26/14	16
Volatile Organics						
Acetone	BDL	0.80	mg/kg	8260B	06/25/14	16
Acrylonitrile	BDL	0.16	mg/kg	8260B	06/25/14	16
Benzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromodichloromethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromoform	BDL	0.016	mg/kg	8260B	06/25/14	16
Bromomethane	BDL	0.080	mg/kg	8260B	06/25/14	16
n-Butylbenzene	0.19	0.016	mg/kg	8260B	06/25/14	16
sec-Butylbenzene	0.17	0.016	mg/kg	8260B	06/25/14	16
tert-Butylbenzene	0.20	0.016	mg/kg	8260B	06/25/14	16
Carbon tetrachloride	BDL	0.016	mg/kg	8260B	06/25/14	16
Chlorobenzene	0.017	0.016	mg/kg	8260B	06/25/14	16
Chlorodibromomethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Chloroethane	BDL	0.080	mg/kg	8260B	06/25/14	16
2-Chloroethyl vinyl ether	BDL	0.80	mg/kg	8260B	06/25/14	16
Chloroform	BDL	0.080	mg/kg	8260B	06/25/14	16
Chloromethane	BDL	0.040	mg/kg	8260B	06/25/14	16
2-Chlorotoluene	BDL	0.016	mg/kg	8260B	06/25/14	16
4-Chlorotoluene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dibromo-3-Chloropropane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2-Dibromoethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Dibromomethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichlorobenzene	0.051	0.016	mg/kg	8260B	06/25/14	16
1,3-Dichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,4-Dichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Dichlorodifluoromethane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,1-Dichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.016	mg/kg	8260B	06/25/14	16
cis-1,2-Dichloroethene	0.058	0.016	mg/kg	8260B	06/25/14	16
trans-1,2-Dichloroethene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,3-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
cis-1,3-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
trans-1,3-Dichloropropene	BDL	0.016	mg/kg	8260B	06/25/14	16
2,2-Dichloropropane	BDL	0.016	mg/kg	8260B	06/25/14	16
Di-isopropyl ether	BDL	0.016	mg/kg	8260B	06/25/14	16
Ethylbenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
Hexachloro-1,3-butadiene	BDL	0.016	mg/kg	8260B	06/25/14	16
Isopropylbenzene	0.022	0.016	mg/kg	8260B	06/25/14	16
p-Isopropyltoluene	0.020	0.016	mg/kg	8260B	06/25/14	16
2-Butanone (MEK)	BDL	0.16	mg/kg	8260B	06/25/14	16
Methylene Chloride	BDL	0.080	mg/kg	8260B	06/25/14	16
4-Methyl-2-pentanone (MIBK)	BDL	0.16	mg/kg	8260B	06/25/14	16
Methyl tert-butyl ether	BDL	0.016	mg/kg	8260B	06/25/14	16
Naphthalene	BDL	0.080	mg/kg	8260B	06/25/14	16
n-Propylbenzene	0.092	0.016	mg/kg	8260B	06/25/14	16
Styrene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,1,2-Tetrachloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2,2-Tetrachloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2-Trichlorotrifluoroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Tetrachloroethene	1.0	0.016	mg/kg	8260B	06/25/14	16
Toluene	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2,3-Trichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,2,4-Trichlorobenzene	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,1-Trichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
1,1,2-Trichloroethane	BDL	0.016	mg/kg	8260B	06/25/14	16
Trichloroethene	0.034	0.016	mg/kg	8260B	06/25/14	16
Trichlorofluoromethane	BDL	0.080	mg/kg	8260B	06/25/14	16
1,2,3-Trichloropropane	BDL	0.040	mg/kg	8260B	06/25/14	16
1,2,4-Trimethylbenzene	0.19	0.016	mg/kg	8260B	06/25/14	16
1,2,3-Trimethylbenzene	0.030	0.016	mg/kg	8260B	06/25/14	16
Vinyl chloride	BDL	0.016	mg/kg	8260B	06/25/14	16
1,3,5-Trimethylbenzene	0.039	0.016	mg/kg	8260B	06/25/14	16
Xylenes, Total	0.061	0.048	mg/kg	8260B	06/25/14	16
Surrogate Recovery						
Toluene-d8	95.9		% Rec.	8260B	06/25/14	16
Dibromofluoromethane	87.8		% Rec.	8260B	06/25/14	16
4-Bromofluorobenzene	93.9		% Rec.	8260B	06/25/14	16
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 7.5-10FT

Collected By :
Collection Date : 06/16/14 13:50

ESC Sample # : L705269-05

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	64.2		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/21/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/21/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/21/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/21/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Naphthalene	0.14	0.033	mg/kg	8270C	06/21/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/21/14	1
Surrogate Recovery						
Nitrobenzene-d5	72.8		% Rec.	8270C	06/21/14	1
2-Fluorobiphenyl	53.5		% Rec.	8270C	06/21/14	1
p-Terphenyl-d14	63.2		% Rec.	8270C	06/21/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	69.6		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	188.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-06

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : GP-6 12.5-15.0FT

Project # : 1434-11-392-007

Collected By :
Collection Date : 06/16/14 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.037	0.020	mg/kg	7471	06/19/14	1
Arsenic	5.6	2.0	mg/kg	6010B	06/22/14	1
Barium	64.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	21.	1.0	mg/kg	6010B	06/22/14	1
Lead	29.	0.50	mg/kg	6010B	06/22/14	1
Selenium	5.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	1.6	1.3	mg/kg	TNGRO	06/25/14	13.25
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	143.		% Rec.	TNGRO	06/25/14	13.25
Volatile Organics						
Acetone	BDL	0.66	mg/kg	8260B	06/24/14	13.25
Acrylonitrile	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Benzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromodichloromethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromoform	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Bromomethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
n-Butylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
sec-Butylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
tert-Butylbenzene	0.014	0.013	mg/kg	8260B	06/24/14	13.25
Carbon tetrachloride	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chlorodibromomethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Chloroethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
2-Chloroethyl vinyl ether	BDL	0.66	mg/kg	8260B	06/24/14	13.25
Chloroform	BDL	0.066	mg/kg	8260B	06/24/14	13.25
Chloromethane	BDL	0.033	mg/kg	8260B	06/24/14	13.25
2-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
4-Chlorotoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dibromo-3-Chloropropane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2-Dibromoethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Dibromomethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,4-Dichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Dichlorodifluoromethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,1-Dichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 12.5-15.0FT

Collected By :
Collection Date : 06/16/14 14:05

ESC Sample # : L705269-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
cis-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
trans-1,2-Dichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
cis-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
trans-1,3-Dichloropropene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
2,2-Dichloropropane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Di-isopropyl ether	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Ethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Hexachloro-1,3-butadiene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Isopropylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
p-Isopropyltoluene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
2-Butanone (MEK)	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Methylene Chloride	BDL	0.066	mg/kg	8260B	06/24/14	13.25
4-Methyl-2-pentanone (MIBK)	BDL	0.13	mg/kg	8260B	06/24/14	13.25
Methyl tert-butyl ether	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Naphthalene	BDL	0.066	mg/kg	8260B	06/24/14	13.25
n-Propylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Styrene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,1,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2,2-Tetrachloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2-Trichlorotrifluoroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Tetrachloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Toluene	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2,3-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2,4-Trichlorobenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,1-Trichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,1,2-Trichloroethane	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Trichloroethene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Trichlorofluoromethane	BDL	0.066	mg/kg	8260B	06/24/14	13.25
1,2,3-Trichloropropane	BDL	0.033	mg/kg	8260B	06/24/14	13.25
1,2,4-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,2,3-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Vinyl chloride	BDL	0.013	mg/kg	8260B	06/24/14	13.25
1,3,5-Trimethylbenzene	BDL	0.013	mg/kg	8260B	06/24/14	13.25
Xylenes, Total	BDL	0.040	mg/kg	8260B	06/24/14	13.25
Surrogate Recovery						
Toluene-d8	95.5		% Rec.	8260B	06/24/14	13.25
Dibromofluoromethane	93.5		% Rec.	8260B	06/24/14	13.25
4-Bromofluorobenzene	113.		% Rec.	8260B	06/24/14	13.25
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-6 12.5-15.0FT

Collected By :
Collection Date : 06/16/14 14:05

ESC Sample # : L705269-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	61.9		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	74.2		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	67.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	70.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	78.7		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	98.7		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:48
L705269-06 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	4.9	2.0	mg/kg	6010B	06/22/14	1
Barium	83.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	22.	1.0	mg/kg	6010B	06/22/14	1
Lead	34.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.8	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	133.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	0.0031	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	0.014	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	0.0029	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	107.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	103.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 7.5-10.0FT

Collected By :
Collection Date : 06/16/14 12:37

ESC Sample # : L705269-07

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	63.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.3		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	64.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	71.9		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	81.4		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	103.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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.
Reported: 07/15/14 09:44 Printed: 07/15/14 09:48

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-08

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : GP-7 15-17.5FT

Project # : 1434-11-392-007

Collected By :
Collection Date : 06/16/14 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	2.0	mg/kg	6010B	06/22/14	1
Barium	77.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	8.5	0.50	mg/kg	6010B	06/22/14	1
Selenium	5.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	109.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	0.0025	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 15-17.5FT

Collected By :
Collection Date : 06/16/14 13:20

ESC Sample # : L705269-08

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	102.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	107.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-7 15-17.5FT

Collected By :
Collection Date : 06/16/14 13:20

ESC Sample # : L705269-08

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	58.1		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	67.7		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	66.3		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	70.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	84.9		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.026	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	10.	mg/kg	6010B	06/22/14	5
Barium	87.	2.5	mg/kg	6010B	06/22/14	5
Cadmium	BDL	2.5	mg/kg	6010B	06/22/14	5
Chromium	26.	5.0	mg/kg	6010B	06/22/14	5
Lead	27.	2.5	mg/kg	6010B	06/22/14	5
Selenium	BDL	10.	mg/kg	6010B	06/22/14	5
Silver	BDL	5.0	mg/kg	6010B	06/22/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	86.3		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	99.8		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	100.		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-8 2.5-5.0FT

Collected By :
Collection Date : 06/16/14 14:20

ESC Sample # : L705269-09

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	56.3		% Rec.	EPH	06/24/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	64.6		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	67.2		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	61.2		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	86.6		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
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1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.022	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.3	2.0	mg/kg	6010B	06/22/14	1
Barium	41.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.57	0.50	mg/kg	6010B	06/22/14	1
Chromium	26.	1.0	mg/kg	6010B	06/22/14	1
Lead	28.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.9	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	140	50.	mg/kg	TNGRO	06/24/14	500
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	88.3		% Rec.	TNGRO	06/24/14	500
Volatile Organics						
Acetone	BDL	14.	mg/kg	8260B	06/20/14	270
Acrylonitrile	BDL	2.7	mg/kg	8260B	06/20/14	270
Benzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromodichloromethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromoform	BDL	0.27	mg/kg	8260B	06/20/14	270
Bromomethane	BDL	1.4	mg/kg	8260B	06/20/14	270
n-Butylbenzene	0.51	0.27	mg/kg	8260B	06/20/14	270
sec-Butylbenzene	1.2	0.27	mg/kg	8260B	06/20/14	270
tert-Butylbenzene	0.65	0.27	mg/kg	8260B	06/20/14	270
Carbon tetrachloride	BDL	0.27	mg/kg	8260B	06/20/14	270
Chlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Chlorodibromomethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Chloroethane	BDL	1.4	mg/kg	8260B	06/20/14	270
2-Chloroethyl vinyl ether	BDL	14.	mg/kg	8260B	06/20/14	270
Chloroform	BDL	1.4	mg/kg	8260B	06/20/14	270
Chloromethane	BDL	0.68	mg/kg	8260B	06/20/14	270
2-Chlorotoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
4-Chlorotoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dibromo-3-Chloropropane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2-Dibromoethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Dibromomethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,4-Dichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Dichlorodifluoromethane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,1-Dichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
cis-1,2-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
trans-1,2-Dichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
cis-1,3-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
trans-1,3-Dichloropropene	BDL	0.27	mg/kg	8260B	06/20/14	270
2,2-Dichloropropane	BDL	0.27	mg/kg	8260B	06/20/14	270
Di-isopropyl ether	BDL	0.27	mg/kg	8260B	06/20/14	270
Ethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Hexachloro-1,3-butadiene	BDL	0.27	mg/kg	8260B	06/20/14	270
Isopropylbenzene	0.28	0.27	mg/kg	8260B	06/20/14	270
p-Isopropyltoluene	BDL	0.27	mg/kg	8260B	06/20/14	270
2-Butanone (MEK)	BDL	2.7	mg/kg	8260B	06/20/14	270
Methylene Chloride	BDL	1.4	mg/kg	8260B	06/20/14	270
4-Methyl-2-pentanone (MIBK)	BDL	2.7	mg/kg	8260B	06/20/14	270
Methyl tert-butyl ether	BDL	0.27	mg/kg	8260B	06/20/14	270
Naphthalene	BDL	1.4	mg/kg	8260B	06/20/14	270
n-Propylbenzene	0.78	0.27	mg/kg	8260B	06/20/14	270
Styrene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,1,2-Tetrachloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2,2-Tetrachloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2-Trichlorotrifluoroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Tetrachloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
Toluene	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2,3-Trichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2,4-Trichlorobenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,1-Trichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
1,1,2-Trichloroethane	BDL	0.27	mg/kg	8260B	06/20/14	270
Trichloroethene	BDL	0.27	mg/kg	8260B	06/20/14	270
Trichlorofluoromethane	BDL	1.4	mg/kg	8260B	06/20/14	270
1,2,3-Trichloropropane	BDL	0.68	mg/kg	8260B	06/20/14	270
1,2,4-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
1,2,3-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Vinyl chloride	BDL	0.27	mg/kg	8260B	06/20/14	270
1,3,5-Trimethylbenzene	BDL	0.27	mg/kg	8260B	06/20/14	270
Xylenes, Total	BDL	0.81	mg/kg	8260B	06/20/14	270
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	06/20/14	270
Dibromofluoromethane	96.7		% Rec.	8260B	06/20/14	270
4-Bromofluorobenzene	119.		% Rec.	8260B	06/20/14	270
Extractable Petroleum Hydrocarb	23.	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 7.5-10FT

Collected By :
Collection Date : 06/16/14 14:37

ESC Sample # : L705269-10

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	81.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	70.6		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	63.0		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	71.6		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	84.8		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	103.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-10 (V8260) - Non-target compounds too high to run at a lower dilution.

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.023	0.020	mg/kg	7471	06/19/14	1
Arsenic	4.0	2.0	mg/kg	6010B	06/22/14	1
Barium	64.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.67	0.50	mg/kg	6010B	06/22/14	1
Chromium	24.	1.0	mg/kg	6010B	06/22/14	1
Lead	21.	0.50	mg/kg	6010B	06/22/14	1
Selenium	7.3	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	260	200	mg/kg	TNGRO	06/24/14	2000
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	103.		% Rec.	TNGRO	06/24/14	2000
Volatile Organics						
Acetone	BDL	57.	mg/kg	8260B	06/20/14	1140
Acrylonitrile	BDL	11.	mg/kg	8260B	06/20/14	1140
Benzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromodichloromethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromoform	BDL	1.1	mg/kg	8260B	06/20/14	1140
Bromomethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
n-Butylbenzene	1.2	1.1	mg/kg	8260B	06/20/14	1140
sec-Butylbenzene	2.9	1.1	mg/kg	8260B	06/20/14	1140
tert-Butylbenzene	1.3	1.1	mg/kg	8260B	06/20/14	1140
Carbon tetrachloride	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chlorodibromomethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Chloroethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
2-Chloroethyl vinyl ether	BDL	57.	mg/kg	8260B	06/20/14	1140
Chloroform	BDL	5.7	mg/kg	8260B	06/20/14	1140
Chloromethane	BDL	2.8	mg/kg	8260B	06/20/14	1140
2-Chlorotoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
4-Chlorotoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dibromo-3-Chloropropane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2-Dibromoethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Dibromomethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,4-Dichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Dichlorodifluoromethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,1-Dichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
cis-1,2-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
trans-1,2-Dichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
cis-1,3-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
trans-1,3-Dichloropropene	BDL	1.1	mg/kg	8260B	06/20/14	1140
2,2-Dichloropropane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Di-isopropyl ether	BDL	1.1	mg/kg	8260B	06/20/14	1140
Ethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Hexachloro-1,3-butadiene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Isopropylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
p-Isopropyltoluene	BDL	1.1	mg/kg	8260B	06/20/14	1140
2-Butanone (MEK)	BDL	11.	mg/kg	8260B	06/20/14	1140
Methylene Chloride	BDL	5.7	mg/kg	8260B	06/20/14	1140
4-Methyl-2-pentanone (MIBK)	BDL	11.	mg/kg	8260B	06/20/14	1140
Methyl tert-butyl ether	BDL	1.1	mg/kg	8260B	06/20/14	1140
Naphthalene	BDL	5.7	mg/kg	8260B	06/20/14	1140
n-Propylbenzene	2.4	1.1	mg/kg	8260B	06/20/14	1140
Styrene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,1,2-Tetrachloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2,2-Tetrachloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2-Trichlorotrifluoroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Tetrachloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Toluene	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2,3-Trichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2,4-Trichlorobenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,1-Trichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,1,2-Trichloroethane	BDL	1.1	mg/kg	8260B	06/20/14	1140
Trichloroethene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Trichlorofluoromethane	BDL	5.7	mg/kg	8260B	06/20/14	1140
1,2,3-Trichloropropane	BDL	2.8	mg/kg	8260B	06/20/14	1140
1,2,4-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,2,3-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Vinyl chloride	BDL	1.1	mg/kg	8260B	06/20/14	1140
1,3,5-Trimethylbenzene	BDL	1.1	mg/kg	8260B	06/20/14	1140
Xylenes, Total	BDL	3.4	mg/kg	8260B	06/20/14	1140
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	06/20/14	1140
Dibromofluoromethane	96.5		% Rec.	8260B	06/20/14	1140
4-Bromofluorobenzene	108.		% Rec.	8260B	06/20/14	1140
Extractable Petroleum Hydrocarb	160	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-9 15-18FT

Collected By :
Collection Date : 06/16/14 14:48

ESC Sample # : L705269-11

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	76.7		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	0.31	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	106.		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	79.0		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/23/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/23/14	1
PCBs Surrogates						
Decachlorobiphenyl	79.5		% Rec.	8082	06/23/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-11 (V8260) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.095	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.8	2.0	mg/kg	6010B	06/22/14	1
Barium	82.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.50	0.50	mg/kg	6010B	06/22/14	1
Chromium	23.	1.0	mg/kg	6010B	06/22/14	1
Lead	42.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.1	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	150	49.	mg/kg	TNGRO	06/25/14	490
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	91.7		% Rec.	TNGRO	06/25/14	490
Volatile Organics						
Acetone	BDL	49.	mg/kg	8260B	06/20/14	980
Acrylonitrile	BDL	9.8	mg/kg	8260B	06/20/14	980
Benzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromodichloromethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromoform	BDL	0.98	mg/kg	8260B	06/20/14	980
Bromomethane	BDL	4.9	mg/kg	8260B	06/20/14	980
n-Butylbenzene	1.3	0.98	mg/kg	8260B	06/20/14	980
sec-Butylbenzene	4.6	0.98	mg/kg	8260B	06/20/14	980
tert-Butylbenzene	1.4	0.98	mg/kg	8260B	06/20/14	980
Carbon tetrachloride	BDL	0.98	mg/kg	8260B	06/20/14	980
Chlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Chlorodibromomethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Chloroethane	BDL	4.9	mg/kg	8260B	06/20/14	980
2-Chloroethyl vinyl ether	BDL	49.	mg/kg	8260B	06/20/14	980
Chloroform	BDL	4.9	mg/kg	8260B	06/20/14	980
Chloromethane	BDL	2.4	mg/kg	8260B	06/20/14	980
2-Chlorotoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
4-Chlorotoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dibromo-3-Chloropropane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2-Dibromoethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Dibromomethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,4-Dichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Dichlorodifluoromethane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,1-Dichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
cis-1,2-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
trans-1,2-Dichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
cis-1,3-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
trans-1,3-Dichloropropene	BDL	0.98	mg/kg	8260B	06/20/14	980
2,2-Dichloropropane	BDL	0.98	mg/kg	8260B	06/20/14	980
Di-isopropyl ether	BDL	0.98	mg/kg	8260B	06/20/14	980
Ethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Hexachloro-1,3-butadiene	BDL	0.98	mg/kg	8260B	06/20/14	980
Isopropylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
p-Isopropyltoluene	BDL	0.98	mg/kg	8260B	06/20/14	980
2-Butanone (MEK)	BDL	9.8	mg/kg	8260B	06/20/14	980
Methylene Chloride	BDL	4.9	mg/kg	8260B	06/20/14	980
4-Methyl-2-pentanone (MIBK)	BDL	9.8	mg/kg	8260B	06/20/14	980
Methyl tert-butyl ether	BDL	0.98	mg/kg	8260B	06/20/14	980
Naphthalene	BDL	4.9	mg/kg	8260B	06/20/14	980
n-Propylbenzene	2.8	0.98	mg/kg	8260B	06/20/14	980
Styrene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,1,2-Tetrachloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2,2-Tetrachloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2-Trichlorotrifluoroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Tetrachloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
Toluene	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2,3-Trichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2,4-Trichlorobenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,1-Trichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
1,1,2-Trichloroethane	BDL	0.98	mg/kg	8260B	06/20/14	980
Trichloroethene	BDL	0.98	mg/kg	8260B	06/20/14	980
Trichlorofluoromethane	BDL	4.9	mg/kg	8260B	06/20/14	980
1,2,3-Trichloropropane	BDL	2.4	mg/kg	8260B	06/20/14	980
1,2,4-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
1,2,3-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Vinyl chloride	BDL	0.98	mg/kg	8260B	06/20/14	980
1,3,5-Trimethylbenzene	BDL	0.98	mg/kg	8260B	06/20/14	980
Xylenes, Total	BDL	2.9	mg/kg	8260B	06/20/14	980
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/20/14	980
Dibromofluoromethane	99.6		% Rec.	8260B	06/20/14	980
4-Bromofluorobenzene	107.		% Rec.	8260B	06/20/14	980
Extractable Petroleum Hydrocarb	140	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 5-10FT

Collected By :
Collection Date : 06/16/14 15:10

ESC Sample # : L705269-12

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	85.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/22/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/22/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/22/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/22/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/22/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/22/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.4		% Rec.	8270C	06/22/14	1
2-Fluorobiphenyl	61.1		% Rec.	8270C	06/22/14	1
p-Terphenyl-d14	67.3		% Rec.	8270C	06/22/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	56.2		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	84.6		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-12 (V8260) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.026	0.020	mg/kg	7471	06/19/14	1
Arsenic	5.6	2.0	mg/kg	6010B	06/22/14	1
Barium	70.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	20.	1.0	mg/kg	6010B	06/22/14	1
Lead	11.	0.50	mg/kg	6010B	06/22/14	1
Selenium	6.6	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	160	15.	mg/kg	TNGRO	06/25/14	148
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	87.6		% Rec.	TNGRO	06/25/14	148
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/22/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/22/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/22/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
n-Butylbenzene	0.0086	0.0010	mg/kg	8260B	06/22/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
tert-Butylbenzene	0.10	0.0010	mg/kg	8260B	06/22/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/22/14	1
Chlorobenzene	0.023	0.0010	mg/kg	8260B	06/22/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/22/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/22/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/22/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-13 **(V8260)** - This is the 2nd run confirming surrogate >200%.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/22/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/22/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Isopropylbenzene	0.0087	0.0010	mg/kg	8260B	06/22/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/22/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/22/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/22/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/22/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/22/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/22/14	1
n-Propylbenzene	0.021	0.0010	mg/kg	8260B	06/22/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/22/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/22/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/22/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/22/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/22/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/22/14	1
Surrogate Recovery						
Toluene-d8	86.3		% Rec.	8260B	06/22/14	1
Dibromofluoromethane	100.		% Rec.	8260B	06/22/14	1
4-Bromofluorobenzene	1400		% Rec.	8260B	06/22/14	1
Extractable Petroleum Hydrocarb	4.3	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L705269-13 (V8260) - This is the 2nd run confirming surrogate >200%.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-10 10-13FT

Collected By :
Collection Date : 06/16/14 15:00

ESC Sample # : L705269-13

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	80.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/23/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/23/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/23/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/23/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/23/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Naphthalene	0.055	0.033	mg/kg	8270C	06/23/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/23/14	1
Surrogate Recovery						
Nitrobenzene-d5	115.		% Rec.	8270C	06/23/14	1
2-Fluorobiphenyl	72.3		% Rec.	8270C	06/23/14	1
p-Terphenyl-d14	69.0		% Rec.	8270C	06/23/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.3		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	67.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49
L705269-13 (V8260) - This is the 2nd run confirming surrogate >200%.

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.19	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.6	2.0	mg/kg	6010B	06/22/14	1
Barium	140	0.50	mg/kg	6010B	06/22/14	1
Cadmium	0.66	0.50	mg/kg	6010B	06/22/14	1
Chromium	26.	1.0	mg/kg	6010B	06/22/14	1
Lead	43.	0.50	mg/kg	6010B	06/22/14	1
Selenium	10.	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	87.9		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 5-7.5FT

Collected By :
Collection Date : 06/16/14 15:32

ESC Sample # : L705269-14

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	69.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.0		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	62.8		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	63.7		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	46.8		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	73.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	6.7	2.0	mg/kg	6010B	06/22/14	1
Barium	51.	0.50	mg/kg	6010B	06/22/14	1
Cadmium	BDL	0.50	mg/kg	6010B	06/22/14	1
Chromium	19.	1.0	mg/kg	6010B	06/22/14	1
Lead	14.	0.50	mg/kg	6010B	06/22/14	1
Selenium	4.6	2.0	mg/kg	6010B	06/22/14	1
Silver	BDL	1.0	mg/kg	6010B	06/22/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.5		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-11 11-12FT

Collected By :
Collection Date : 06/16/14 15:43

ESC Sample # : L705269-15

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	78.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.0		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	70.6		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	61.9		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.1		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	80.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.043	0.020	mg/kg	7471	06/19/14	1
Arsenic	9.3	2.0	mg/kg	6010B	06/23/14	1
Barium	100	0.50	mg/kg	6010B	06/23/14	1
Cadmium	0.61	0.50	mg/kg	6010B	06/23/14	1
Chromium	20.	1.0	mg/kg	6010B	06/23/14	1
Lead	72.	0.50	mg/kg	6010B	06/23/14	1
Selenium	BDL	2.0	mg/kg	6010B	06/23/14	1
Silver	BDL	1.0	mg/kg	6010B	06/23/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	71.	5.0	mg/kg	TNGRO	06/25/14	50
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	116.		% Rec.	TNGRO	06/25/14	50
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/24/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/24/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/24/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
n-Butylbenzene	0.020	0.0010	mg/kg	8260B	06/24/14	1
sec-Butylbenzene	0.0074	0.0010	mg/kg	8260B	06/24/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/24/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/24/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/24/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/24/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/24/14	1
Ethylbenzene	0.0030	0.0010	mg/kg	8260B	06/24/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Isopropylbenzene	0.0090	0.0010	mg/kg	8260B	06/24/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/24/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/24/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/24/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/24/14	1
Naphthalene	0.021	0.0050	mg/kg	8260B	06/24/14	1
n-Propylbenzene	0.030	0.0010	mg/kg	8260B	06/24/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Tetrachloroethene	0.0032	0.0010	mg/kg	8260B	06/24/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/24/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/24/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/24/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,2,3-Trimethylbenzene	0.0021	0.0010	mg/kg	8260B	06/24/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/24/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/24/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/24/14	1
Surrogate Recovery						
Toluene-d8	89.5		% Rec.	8260B	06/24/14	1
Dibromofluoromethane	98.1		% Rec.	8260B	06/24/14	1
4-Bromofluorobenzene	62.2		% Rec.	8260B	06/24/14	1
Extractable Petroleum Hydrocarb	180	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 5-10FT

Collected By :
Collection Date : 06/16/14 16:00

ESC Sample # : L705269-16

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	86.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	0.12	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.7		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	69.5		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	67.9		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	62.9		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	97.6		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	120	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	25.	10.	mg/kg	6010B	06/23/14	10
Lead	12.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	57.	6.5	mg/kg	TNGRO	06/25/14	65
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	93.		% Rec.	TNGRO	06/25/14	65
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/20/14	1
Benzene	0.040	0.0010	mg/kg	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
n-Butylbenzene	0.020	0.0010	mg/kg	8260B	06/20/14	1
sec-Butylbenzene	0.0092	0.0010	mg/kg	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Ethylbenzene	0.067	0.0010	mg/kg	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Isopropylbenzene	0.032	0.0010	mg/kg	8260B	06/20/14	1
p-Isopropyltoluene	0.0017	0.0010	mg/kg	8260B	06/20/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/20/14	1
Naphthalene	0.060	0.0050	mg/kg	8260B	06/20/14	1
n-Propylbenzene	0.093	0.0010	mg/kg	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/20/14	1
1,2,4-Trimethylbenzene	0.0013	0.0010	mg/kg	8260B	06/20/14	1
1,2,3-Trimethylbenzene	0.0034	0.0010	mg/kg	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/20/14	1
1,3,5-Trimethylbenzene	0.0027	0.0010	mg/kg	8260B	06/20/14	1
Xylenes, Total	0.0078	0.0030	mg/kg	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	101.		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	98.4		% Rec.	8260B	06/20/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-12 10-13.5FT

Collected By :
Collection Date : 06/16/14 16:08

ESC Sample # : L705269-17

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	76.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	0.28	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.9		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	52.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	56.8		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	39.0		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	62.0		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.037	0.020	mg/kg	7471	06/19/14	1
Arsenic	3.1	2.0	mg/kg	6010B	06/23/14	1
Barium	51.	0.50	mg/kg	6010B	06/23/14	1
Cadmium	0.50	0.50	mg/kg	6010B	06/23/14	1
Chromium	18.	1.0	mg/kg	6010B	06/23/14	1
Lead	20.	0.50	mg/kg	6010B	06/23/14	1
Selenium	BDL	2.0	mg/kg	6010B	06/23/14	1
Silver	BDL	1.0	mg/kg	6010B	06/23/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	83.2		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/23/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/23/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/23/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
sec-Butylbenzene	0.0037	0.0010	mg/kg	8260B	06/23/14	1
tert-Butylbenzene	0.0016	0.0010	mg/kg	8260B	06/23/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/23/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/23/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/23/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/23/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/23/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/23/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/23/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/23/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/23/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/23/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/23/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/23/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/23/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/23/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/23/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/23/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/23/14	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/23/14	1
Dibromofluoromethane	99.3		% Rec.	8260B	06/23/14	1
4-Bromofluorobenzene	112.		% Rec.	8260B	06/23/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 0.6-5.0FT

Collected By :
Collection Date : 06/16/14 16:23

ESC Sample # : L705269-18

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	83.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	76.7		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	67.3		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	59.1		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	37.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	66.7		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	140	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	23.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	95.4		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.018	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	0.0011	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.6		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-13 10-11FT

Collected By :
Collection Date : 06/16/14 16:36

ESC Sample # : L705269-19

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	68.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	68.1		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	65.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	54.1		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	45.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	74.1		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.035	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	110	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	26.	10.	mg/kg	6010B	06/23/14	10
Lead	18.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/24/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	99.		% Rec.	TNGRO	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.053	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-14 5-9FT

Collected By :
Collection Date : 06/16/14 17:00

ESC Sample # : L705269-20

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	74.2		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/24/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/24/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/24/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/24/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/24/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/24/14	1
Surrogate Recovery						
Nitrobenzene-d5	73.4		% Rec.	8270C	06/24/14	1
2-Fluorobiphenyl	68.4		% Rec.	8270C	06/24/14	1
p-Terphenyl-d14	57.6		% Rec.	8270C	06/24/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	47.6		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	78.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.043	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	82.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	12.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.18	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	0.066	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.060	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	0.0033	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	0.0013	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	0.0012	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	107.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	99.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-3 4-6FT

Collected By :
Collection Date : 06/16/14 09:14

ESC Sample # : L705269-21

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	72.4		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	97.3		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	91.2		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	86.3		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	52.5		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	75.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 0-5FT

Collected By :
Collection Date : 06/16/14 09:52

ESC Sample # : L705269-22

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.13	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	50.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	16.	10.	mg/kg	6010B	06/23/14	10
Lead	25.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/26/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	50.6		% Rec.	TNGRO	06/26/14	1
Volatile Organics						
Acetone	BDL	0.89	mg/kg	8260B	06/21/14	17.75
Acrylonitrile	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Benzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromodichloromethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromoform	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Bromomethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
n-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
sec-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
tert-Butylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Carbon tetrachloride	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chlorodibromomethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Chloroethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
2-Chloroethyl vinyl ether	BDL	0.89	mg/kg	8260B	06/21/14	17.75
Chloroform	BDL	0.089	mg/kg	8260B	06/21/14	17.75
Chloromethane	BDL	0.044	mg/kg	8260B	06/21/14	17.75
2-Chlorotoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
4-Chlorotoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dibromo-3-Chloropropane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2-Dibromoethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Dibromomethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,4-Dichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Dichlorodifluoromethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,1-Dichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 0-5FT

Collected By :
Collection Date : 06/16/14 09:52

ESC Sample # : L705269-22

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
cis-1,2-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
trans-1,2-Dichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
cis-1,3-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
trans-1,3-Dichloropropene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
2,2-Dichloropropane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Di-isopropyl ether	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Ethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Hexachloro-1,3-butadiene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Isopropylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
p-Isopropyltoluene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
2-Butanone (MEK)	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Methylene Chloride	BDL	0.089	mg/kg	8260B	06/21/14	17.75
4-Methyl-2-pentanone (MIBK)	BDL	0.18	mg/kg	8260B	06/21/14	17.75
Methyl tert-butyl ether	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Naphthalene	BDL	0.089	mg/kg	8260B	06/21/14	17.75
n-Propylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Styrene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,1,2-Tetrachloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2,2-Tetrachloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2-Trichlorotrifluoroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Tetrachloroethene	1.7	0.018	mg/kg	8260B	06/21/14	17.75
Toluene	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2,3-Trichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2,4-Trichlorobenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,1-Trichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,1,2-Trichloroethane	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Trichloroethene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Trichlorofluoromethane	BDL	0.089	mg/kg	8260B	06/21/14	17.75
1,2,3-Trichloropropane	BDL	0.044	mg/kg	8260B	06/21/14	17.75
1,2,4-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,2,3-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Vinyl chloride	BDL	0.018	mg/kg	8260B	06/21/14	17.75
1,3,5-Trimethylbenzene	BDL	0.018	mg/kg	8260B	06/21/14	17.75
Xylenes, Total	BDL	0.053	mg/kg	8260B	06/21/14	17.75
Surrogate Recovery						
Toluene-d8	95.1		% Rec.	8260B	06/21/14	17.75
Dibromofluoromethane	90.5		% Rec.	8260B	06/21/14	17.75
4-Bromofluorobenzene	100.		% Rec.	8260B	06/21/14	17.75
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L705269-22

Sample ID : GP-4 0-5FT

Site ID :

Collected By :
Collection Date : 06/16/14 09:52

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	78.1		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.036	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	0.35	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	0.34	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	0.45	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	0.23	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	0.12	0.033	mg/kg	8270C	06/25/14	1
Chrysene	0.34	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	0.064	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	0.62	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	0.18	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	0.20	0.033	mg/kg	8270C	06/25/14	1
Pyrene	0.55	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	100.		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	83.2		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	83.3		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	28.1		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	51.8		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.021	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	120	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	16.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	97.4		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	0.0063	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	0.0065	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.0081	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	0.0012	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	104.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	96.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-4 12.5-15FT

Collected By :
Collection Date : 06/16/14 10:08

ESC Sample # : L705269-23

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	74.7		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	98.0		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	85.6		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	81.5		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	47.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	72.4		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
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Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	2.3	0.10	mg/kg	7471	06/19/14	5
Arsenic	38.	2.0	mg/kg	6010B	07/11/14	1
Barium	76.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	10.	10.	mg/kg	6010B	06/23/14	10
Lead	120	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.15	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	98.5		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	28.	0.76	mg/kg	8260B	06/25/14	760
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.0019	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.0		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	102.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	88.1		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	130	4.0	mg/kg	EPH	06/27/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 1-2FT

Collected By :
Collection Date : 06/16/14 07:51

ESC Sample # : L705269-24

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	82.9		% Rec.	EPH	06/27/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.40	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	0.22	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	1.1	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	1.0	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	1.3	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	0.71	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	0.37	0.033	mg/kg	8270C	06/25/14	1
Chrysene	0.94	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	0.16	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	2.9	0.033	mg/kg	8270C	06/25/14	1
Fluorene	0.20	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	0.60	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	0.10	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	1.8	0.033	mg/kg	8270C	06/25/14	1
Pyrene	2.2	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	90.3		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	79.7		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	74.0		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	54.7		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	77.1		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	65.	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	22.	10.	mg/kg	6010B	06/23/14	10
Lead	8.2	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.14	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	89.2		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	0.0012	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	0.31	0.019	mg/kg	8260B	06/24/14	19
trans-1,2-Dichloroethene	0.0010	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.90	0.019	mg/kg	8260B	06/24/14	19
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	0.092	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	99.1		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/27/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : GP-15 5-7.5FT

Collected By :
Collection Date : 06/16/14 07:59

ESC Sample # : L705269-25

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	91.9		% Rec.	EPH	06/27/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	96.0		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	92.0		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	96.6		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	44.8		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	72.2		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.057	0.020	mg/kg	7471	06/19/14	1
Arsenic	BDL	20.	mg/kg	6010B	06/23/14	10
Barium	110	5.0	mg/kg	6010B	06/23/14	10
Cadmium	BDL	5.0	mg/kg	6010B	06/23/14	10
Chromium	30.	10.	mg/kg	6010B	06/23/14	10
Lead	18.	5.0	mg/kg	6010B	06/23/14	10
Selenium	BDL	20.	mg/kg	6010B	06/23/14	10
Silver	BDL	10.	mg/kg	6010B	06/23/14	10
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/kg	TNGRO	06/25/14	1
Surrogate Recovery - %						
a,a,a-Trifluorotoluene(FID)	77.9		% Rec.	TNGRO	06/25/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/kg	8260B	06/21/14	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/21/14	1
Benzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/21/14	1
Bromomethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Chloroethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/21/14	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/21/14	1
Chloromethane	BDL	0.0025	mg/kg	8260B	06/21/14	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/21/14	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/21/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/21/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/21/14	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/21/14	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Styrene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Tetrachloroethene	0.013	0.0010	mg/kg	8260B	06/21/14	1
Toluene	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Trichlorofluoromethane	BDL	0.0050	mg/kg	8260B	06/21/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/kg	8260B	06/21/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/21/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/21/14	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/21/14	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	06/21/14	1
Dibromofluoromethane	111.		% Rec.	8260B	06/21/14	1
4-Bromofluorobenzene	95.7		% Rec.	8260B	06/21/14	1
Extractable Petroleum Hydrocarb	BDL	4.0	mg/kg	EPH	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : FIELD DUP

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-26

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery						
o-Terphenyl	86.5		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	06/25/14	1
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Chrysene	BDL	0.033	mg/kg	8270C	06/25/14	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluoranthene	BDL	0.033	mg/kg	8270C	06/25/14	1
Fluorene	BDL	0.033	mg/kg	8270C	06/25/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Naphthalene	BDL	0.033	mg/kg	8270C	06/25/14	1
Phenanthrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Pyrene	BDL	0.033	mg/kg	8270C	06/25/14	1
Surrogate Recovery						
Nitrobenzene-d5	101.		% Rec.	8270C	06/25/14	1
2-Fluorobiphenyl	92.0		% Rec.	8270C	06/25/14	1
p-Terphenyl-d14	86.1		% Rec.	8270C	06/25/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1221	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1232	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1242	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1248	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1254	BDL	0.017	mg/kg	8082	06/25/14	1
PCB 1260	BDL	0.017	mg/kg	8082	06/25/14	1
PCBs Surrogates						
Decachlorobiphenyl	48.2		% Rec.	8082	06/25/14	1
Tetrachloro-m-xylene	81.0		% Rec.	8082	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 07/15/14 09:44 Printed: 07/15/14 09:49

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : TRIPBLANK

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-27

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/20/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/20/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/20/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/20/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/20/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/20/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/20/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/20/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/20/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/20/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/20/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/20/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/20/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/20/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/20/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 15, 2014

Date Received : June 18, 2014
Description : Former Sanitary Laundry Property

Sample ID : TRIPBLANK

Collected By :
Collection Date : 06/16/14 00:00

ESC Sample # : L705269-27

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/20/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/20/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/20/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/20/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/20/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
Toluene	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/20/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/20/14	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/20/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/20/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/20/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/20/14	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/20/14	1
Surrogate Recovery						
Toluene-d8	93.8		% Rec.	8260B	06/20/14	1
Dibromofluoromethane	94.3		% Rec.	8260B	06/20/14	1
4-Bromofluorobenzene	88.6		% Rec.	8260B	06/20/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L705269-01	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727624	SAMP	Lead	R2946167	B
L705269-02	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727205	SAMP	Mercury	R2944873	P1J3J6O1
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-03	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727502	SAMP	Nitrobenzene-d5	R2947389	J7
	WG728250	SAMP	4-Bromofluorobenzene	R2947950	J1
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-04	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
L705269-05	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727931	SAMP	Tetrachloro-m-xylene	R2946866	J1
	WG727624	SAMP	Lead	R2946167	B
L705269-06	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727624	SAMP	Lead	R2946167	B
L705269-07	WG727286	SAMP	n-Butylbenzene	R2945490	J3
	WG727286	SAMP	sec-Butylbenzene	R2945490	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2-Dichlorobenzene	R2945490	J3
	WG727286	SAMP	1,3-Dichlorobenzene	R2945490	J3
	WG727286	SAMP	1,4-Dichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,3-Dichloropropane	R2945490	J3
	WG727286	SAMP	trans-1,3-Dichloropropene	R2945490	J3
	WG727286	SAMP	Hexachloro-1,3-butadiene	R2945490	J3
	WG727286	SAMP	Naphthalene	R2945490	J3
	WG727286	SAMP	1,1,2,2-Tetrachloroethane	R2945490	J5J3
	WG727286	SAMP	1,2,3-Trichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,2,4-Trichlorobenzene	R2945490	J6J3
	WG727286	SAMP	1,2,3-Trichloropropane	R2945490	J3
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727346	SAMP	TPH (GC/FID) Low Fraction	R2948246	J6
	WG727624	SAMP	Arsenic	R2946167	J6
	WG727624	SAMP	Barium	R2946167	O1J6
	WG727624	SAMP	Cadmium	R2946167	J6
	WG727624	SAMP	Chromium	R2946167	O1J6
	WG727624	SAMP	Lead	R2946167	BO1J6
	WG727624	SAMP	Selenium	R2946167	J6
	WG727624	SAMP	Silver	R2946167	J6
L705269-08	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-09	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Arsenic	R2946167	O
	WG727624	SAMP	Cadmium	R2946167	O
	WG727624	SAMP	Lead	R2946167	B
	WG727624	SAMP	Selenium	R2946167	O
	WG727624	SAMP	Silver	R2946167	O
L705269-10	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-11	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-12	WG727502	SAMP	Benzo(b)fluoranthene	R2946166	J3
	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG727624	SAMP	Lead	R2946167	B
L705269-13	WG727960	SAMP	cis-1,2-Dichloroethene	R2946607	J4
	WG727960	SAMP	1,2,3-Trimethylbenzene	R2946607	J4
	WG727960	SAMP	Toluene-d8	R2946607	J2
	WG727960	SAMP	4-Bromofluorobenzene	R2946607	J1
	WG727624	SAMP	Lead	R2946167	B
L705269-14	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-15	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727624	SAMP	Lead	R2946167	B
L705269-16	WG728250	SAMP	4-Bromofluorobenzene	R2947950	J2
	WG727715	SAMP	Barium	R2947105	O1
	WG727715	SAMP	Chromium	R2947105	O1
	WG727715	SAMP	Lead	R2947105	O1J5J3
L705269-17	WG727286	SAMP	Carbon tetrachloride	R2945490	J4
	WG727286	SAMP	1,2,3-Trimethylbenzene	R2945490	J4
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-18	WG727960	SAMP	cis-1,2-Dichloroethene	R2946607	J4
	WG727960	SAMP	1,2,3-Trimethylbenzene	R2946607	J4
L705269-19	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-20	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-21	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-22	WG728761	SAMP	TPH (GC/FID) Low Fraction	R2950187	J6
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-23	WG727349	SAMP	TPH (GC/FID) Low Fraction	R2949317	J6
	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-24	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-25	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O
L705269-26	WG727715	SAMP	Arsenic	R2947105	O
	WG727715	SAMP	Cadmium	R2947105	O
	WG727715	SAMP	Selenium	R2947105	O
	WG727715	SAMP	Silver	R2947105	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
O1	(ESC) The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/15/14 at 09:49:47

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L705269-01 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44
UNI 770179, TM 7/14/14 for a -24 recap.
Sample: L705269-02 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-03 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-04 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-05 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-06 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-07 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44
MS/MSD
Sample: L705269-08 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-09 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-10 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-11 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-12 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-13 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-14 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-15 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-16 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-17 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-18 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-19 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-20 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-21 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-22 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-23 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-24 Account: SME Received: 06/18/14 07:00 Due Date: 07/17/14 00:00 RPT Date: 07/15/14 09:44
Recap for Arsenic origianl value from hot spot in soil jar, TM 7/14
Sample: L705269-25 Account: SME Received: 06/18/14 07:00 Due Date: 06/30/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-26 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

Sample: L705269-27 Account: SME Received: 06/18/14 07:00 Due Date: 06/25/14 00:00 RPT Date: 07/15/14 09:44

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Level II

L705269

July 15, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .02	mg/kg			WG727143	06/19/14 15:35
Mercury	< .02	mg/kg			WG727205	06/19/14 19:13
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,1-Trichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2-Trichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
1,1-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,2,3-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,4-Trichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2,4-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG727265	06/20/14 01:05
1,2-Dibromoethane	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichloroethane	< .001	mg/l			WG727265	06/20/14 01:05
1,2-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,3,5-Trimethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,3-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
1,3-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
1,4-Dichlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
2,2-Dichloropropane	< .001	mg/l			WG727265	06/20/14 01:05
2-Butanone (MEK)	< .01	mg/l			WG727265	06/20/14 01:05
2-Chloroethyl vinyl ether	< .05	mg/l			WG727265	06/20/14 01:05
2-Chlorotoluene	< .001	mg/l			WG727265	06/20/14 01:05
4-Chlorotoluene	< .001	mg/l			WG727265	06/20/14 01:05
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG727265	06/20/14 01:05
Acetone	< .05	mg/l			WG727265	06/20/14 01:05
Acrolein	< .025	mg/l			WG727265	06/20/14 01:05
Acrylonitrile	< .01	mg/l			WG727265	06/20/14 01:05
Benzene	< .001	mg/l			WG727265	06/20/14 01:05
Bromobenzene	< .001	mg/l			WG727265	06/20/14 01:05
Bromodichloromethane	< .001	mg/l			WG727265	06/20/14 01:05
Bromoform	< .001	mg/l			WG727265	06/20/14 01:05
Bromomethane	< .005	mg/l			WG727265	06/20/14 01:05
Carbon tetrachloride	< .001	mg/l			WG727265	06/20/14 01:05
Chlorobenzene	< .001	mg/l			WG727265	06/20/14 01:05
Chlorodibromomethane	< .001	mg/l			WG727265	06/20/14 01:05
Chloroethane	< .005	mg/l			WG727265	06/20/14 01:05
Chloroform	< .005	mg/l			WG727265	06/20/14 01:05
Chloromethane	< .0025	mg/l			WG727265	06/20/14 01:05
cis-1,2-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
cis-1,3-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
Di-isopropyl ether	< .001	mg/l			WG727265	06/20/14 01:05
Dibromomethane	< .001	mg/l			WG727265	06/20/14 01:05
Dichlorodifluoromethane	< .005	mg/l			WG727265	06/20/14 01:05
Ethylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Hexachloro-1,3-butadiene	< .001	mg/l			WG727265	06/20/14 01:05
Isopropylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Methyl tert-butyl ether	< .001	mg/l			WG727265	06/20/14 01:05
Methylene Chloride	< .005	mg/l			WG727265	06/20/14 01:05
n-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05

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Level II

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July 15, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
n-Propylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Naphthalene	< .005	mg/l			WG727265	06/20/14 01:05
p-Isopropyltoluene	< .001	mg/l			WG727265	06/20/14 01:05
sec-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Styrene	< .001	mg/l			WG727265	06/20/14 01:05
tert-Butylbenzene	< .001	mg/l			WG727265	06/20/14 01:05
Tetrachloroethene	< .001	mg/l			WG727265	06/20/14 01:05
Toluene	< .005	mg/l			WG727265	06/20/14 01:05
trans-1,2-Dichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
trans-1,3-Dichloropropene	< .001	mg/l			WG727265	06/20/14 01:05
Trichloroethene	< .001	mg/l			WG727265	06/20/14 01:05
Trichlorofluoromethane	< .005	mg/l			WG727265	06/20/14 01:05
Vinyl chloride	< .001	mg/l			WG727265	06/20/14 01:05
Xylenes, Total	< .003	mg/l			WG727265	06/20/14 01:05
4-Bromofluorobenzene		% Rec.	81.50	71-126	WG727265	06/20/14 01:05
Dibromofluoromethane		% Rec.	98.80	78.3-121	WG727265	06/20/14 01:05
Toluene-d8		% Rec.	97.10	88.5-111	WG727265	06/20/14 01:05
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,1-Trichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2-Trichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
1,1-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trichloropropane	< .0025	mg/kg			WG727286	06/20/14 12:55
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727286	06/20/14 12:55
1,2-Dibromoethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichloroethane	< .001	mg/kg			WG727286	06/20/14 12:55
1,2-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,3-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
1,3-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
1,4-Dichlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
2,2-Dichloropropane	< .001	mg/kg			WG727286	06/20/14 12:55
2-Butanone (MEK)	< .01	mg/kg			WG727286	06/20/14 12:55
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727286	06/20/14 12:55
2-Chlorotoluene	< .001	mg/kg			WG727286	06/20/14 12:55
4-Chlorotoluene	< .001	mg/kg			WG727286	06/20/14 12:55
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727286	06/20/14 12:55
Acetone	< .05	mg/kg			WG727286	06/20/14 12:55
Acrylonitrile	< .01	mg/kg			WG727286	06/20/14 12:55
Benzene	< .001	mg/kg			WG727286	06/20/14 12:55
Bromobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Bromodichloromethane	< .001	mg/kg			WG727286	06/20/14 12:55
Bromoform	< .001	mg/kg			WG727286	06/20/14 12:55
Bromomethane	< .005	mg/kg			WG727286	06/20/14 12:55
Carbon tetrachloride	< .001	mg/kg			WG727286	06/20/14 12:55
Chlorobenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Chlorodibromomethane	< .001	mg/kg			WG727286	06/20/14 12:55
Chloroethane	< .005	mg/kg			WG727286	06/20/14 12:55
Chloroform	< .005	mg/kg			WG727286	06/20/14 12:55

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloromethane	< .0025	mg/kg			WG727286	06/20/14 12:55
cis-1,2-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
cis-1,3-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
Di-isopropyl ether	< .001	mg/kg			WG727286	06/20/14 12:55
Dibromomethane	< .001	mg/kg			WG727286	06/20/14 12:55
Dichlorodifluoromethane	< .005	mg/kg			WG727286	06/20/14 12:55
Ethylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727286	06/20/14 12:55
Isopropylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Methyl tert-butyl ether	< .001	mg/kg			WG727286	06/20/14 12:55
Methylene Chloride	< .005	mg/kg			WG727286	06/20/14 12:55
n-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
n-Propylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Naphthalene	< .005	mg/kg			WG727286	06/20/14 12:55
p-Isopropyltoluene	< .001	mg/kg			WG727286	06/20/14 12:55
sec-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Styrene	< .001	mg/kg			WG727286	06/20/14 12:55
tert-Butylbenzene	< .001	mg/kg			WG727286	06/20/14 12:55
Tetrachloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
Toluene	< .005	mg/kg			WG727286	06/20/14 12:55
trans-1,2-Dichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
trans-1,3-Dichloropropene	< .001	mg/kg			WG727286	06/20/14 12:55
Trichloroethene	< .001	mg/kg			WG727286	06/20/14 12:55
Trichlorofluoromethane	< .005	mg/kg			WG727286	06/20/14 12:55
Vinyl chloride	< .001	mg/kg			WG727286	06/20/14 12:55
Xylenes, Total	< .003	mg/kg			WG727286	06/20/14 12:55
4-Bromofluorobenzene		% Rec.	102.0	71-126	WG727286	06/20/14 12:55
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG727286	06/20/14 12:55
Toluene-d8		% Rec.	103.0	88.5-111	WG727286	06/20/14 12:55
Acenaphthene	< .033	mg/kg			WG727502	06/21/14 19:46
Acenaphthylene	< .033	mg/kg			WG727502	06/21/14 19:46
Anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(a)anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(a)pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(b)fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(g,h,i)perylene	< .033	mg/kg			WG727502	06/21/14 19:46
Benzo(k)fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Chrysene	< .033	mg/kg			WG727502	06/21/14 19:46
Dibenz(a,h)anthracene	< .033	mg/kg			WG727502	06/21/14 19:46
Fluoranthene	< .033	mg/kg			WG727502	06/21/14 19:46
Fluorene	< .033	mg/kg			WG727502	06/21/14 19:46
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
Naphthalene	< .033	mg/kg			WG727502	06/21/14 19:46
Phenanthrene	< .033	mg/kg			WG727502	06/21/14 19:46
Pyrene	< .033	mg/kg			WG727502	06/21/14 19:46
2-Fluorobiphenyl		% Rec.	75.10	41.4-134	WG727502	06/21/14 19:46
Nitrobenzene-d5		% Rec.	71.30	28.3-148	WG727502	06/21/14 19:46
p-Terphenyl-d14		% Rec.	85.70	35.8-140	WG727502	06/21/14 19:46
Arsenic	< 1	mg/kg			WG727624	06/22/14 02:21
Barium	< .25	mg/kg			WG727624	06/22/14 02:21
Cadmium	< .25	mg/kg			WG727624	06/22/14 02:21
Chromium	< .5	mg/kg			WG727624	06/22/14 02:21
Lead	< .25	mg/kg			WG727624	06/22/14 02:21
Selenium	< 1	mg/kg			WG727624	06/22/14 02:21
Silver	< .5	mg/kg			WG727624	06/22/14 02:21

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,1-Trichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2-Trichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
1,1-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trichloropropane	< .0025	mg/kg			WG727846	06/21/14 12:36
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727846	06/21/14 12:36
1,2-Dibromoethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichloroethane	< .001	mg/kg			WG727846	06/21/14 12:36
1,2-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,3-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
1,3-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
1,4-Dichlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
2,2-Dichloropropane	< .001	mg/kg			WG727846	06/21/14 12:36
2-Butanone (MEK)	< .01	mg/kg			WG727846	06/21/14 12:36
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727846	06/21/14 12:36
2-Chlorotoluene	< .001	mg/kg			WG727846	06/21/14 12:36
4-Chlorotoluene	< .001	mg/kg			WG727846	06/21/14 12:36
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727846	06/21/14 12:36
Acetone	< .05	mg/kg			WG727846	06/21/14 12:36
Acrylonitrile	< .01	mg/kg			WG727846	06/21/14 12:36
Benzene	< .001	mg/kg			WG727846	06/21/14 12:36
Bromobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Bromodichloromethane	< .001	mg/kg			WG727846	06/21/14 12:36
Bromoform	< .001	mg/kg			WG727846	06/21/14 12:36
Bromomethane	< .005	mg/kg			WG727846	06/21/14 12:36
Carbon tetrachloride	< .001	mg/kg			WG727846	06/21/14 12:36
Chlorobenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Chlorodibromomethane	< .001	mg/kg			WG727846	06/21/14 12:36
Chloroethane	< .005	mg/kg			WG727846	06/21/14 12:36
Chloroform	< .005	mg/kg			WG727846	06/21/14 12:36
Chloromethane	< .0025	mg/kg			WG727846	06/21/14 12:36
cis-1,2-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
cis-1,3-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
Di-isopropyl ether	< .001	mg/kg			WG727846	06/21/14 12:36
Dibromomethane	< .001	mg/kg			WG727846	06/21/14 12:36
Dichlorodifluoromethane	< .005	mg/kg			WG727846	06/21/14 12:36
Ethylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727846	06/21/14 12:36
Isopropylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Methyl tert-butyl ether	< .001	mg/kg			WG727846	06/21/14 12:36
Methylene Chloride	< .005	mg/kg			WG727846	06/21/14 12:36
n-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
n-Propylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Naphthalene	< .005	mg/kg			WG727846	06/21/14 12:36
p-Isopropyltoluene	< .001	mg/kg			WG727846	06/21/14 12:36
sec-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Styrene	< .001	mg/kg			WG727846	06/21/14 12:36
tert-Butylbenzene	< .001	mg/kg			WG727846	06/21/14 12:36
Tetrachloroethene	< .001	mg/kg			WG727846	06/21/14 12:36

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Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Toluene	< .005	mg/kg			WG727846	06/21/14 12:36
trans-1,2-Dichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
trans-1,3-Dichloropropene	< .001	mg/kg			WG727846	06/21/14 12:36
Trichloroethene	< .001	mg/kg			WG727846	06/21/14 12:36
Trichlorofluoromethane	< .005	mg/kg			WG727846	06/21/14 12:36
Vinyl chloride	< .001	mg/kg			WG727846	06/21/14 12:36
Xylenes, Total	< .003	mg/kg			WG727846	06/21/14 12:36
4-Bromofluorobenzene		% Rec.	98.20	71-126	WG727846	06/21/14 12:36
Dibromofluoromethane		% Rec.	98.60	78.3-121	WG727846	06/21/14 12:36
Toluene-d8		% Rec.	99.10	88.5-111	WG727846	06/21/14 12:36
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,1-Trichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2-Trichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
1,1-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trichloropropane	< .0025	mg/kg			WG727960	06/22/14 22:42
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727960	06/22/14 22:42
1,2-Dibromoethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichloroethane	< .001	mg/kg			WG727960	06/22/14 22:42
1,2-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,3-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
1,3-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
1,4-Dichlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
2,2-Dichloropropane	< .001	mg/kg			WG727960	06/22/14 22:42
2-Butanone (MEK)	< .01	mg/kg			WG727960	06/22/14 22:42
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727960	06/22/14 22:42
2-Chlorotoluene	< .001	mg/kg			WG727960	06/22/14 22:42
4-Chlorotoluene	< .001	mg/kg			WG727960	06/22/14 22:42
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727960	06/22/14 22:42
Acetone	< .05	mg/kg			WG727960	06/22/14 22:42
Acrylonitrile	< .01	mg/kg			WG727960	06/22/14 22:42
Benzene	< .001	mg/kg			WG727960	06/22/14 22:42
Bromobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Bromodichloromethane	< .001	mg/kg			WG727960	06/22/14 22:42
Bromoform	< .001	mg/kg			WG727960	06/22/14 22:42
Bromomethane	< .005	mg/kg			WG727960	06/22/14 22:42
Carbon tetrachloride	< .001	mg/kg			WG727960	06/22/14 22:42
Chlorobenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Chlorodibromomethane	< .001	mg/kg			WG727960	06/22/14 22:42
Chloroethane	< .005	mg/kg			WG727960	06/22/14 22:42
Chloroform	< .005	mg/kg			WG727960	06/22/14 22:42
Chloromethane	< .0025	mg/kg			WG727960	06/22/14 22:42
cis-1,2-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
cis-1,3-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
Di-isopropyl ether	< .001	mg/kg			WG727960	06/22/14 22:42
Dibromomethane	< .001	mg/kg			WG727960	06/22/14 22:42
Dichlorodifluoromethane	< .005	mg/kg			WG727960	06/22/14 22:42
Ethylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42

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Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727960	06/22/14 22:42
Isopropylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Methyl tert-butyl ether	< .001	mg/kg			WG727960	06/22/14 22:42
Methylene Chloride	< .005	mg/kg			WG727960	06/22/14 22:42
n-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
n-Propylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Naphthalene	< .005	mg/kg			WG727960	06/22/14 22:42
p-Isopropyltoluene	< .001	mg/kg			WG727960	06/22/14 22:42
sec-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Styrene	< .001	mg/kg			WG727960	06/22/14 22:42
tert-Butylbenzene	< .001	mg/kg			WG727960	06/22/14 22:42
Tetrachloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
Toluene	< .005	mg/kg			WG727960	06/22/14 22:42
trans-1,2-Dichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
trans-1,3-Dichloropropene	< .001	mg/kg			WG727960	06/22/14 22:42
Trichloroethene	< .001	mg/kg			WG727960	06/22/14 22:42
Trichlorofluoromethane	< .005	mg/kg			WG727960	06/22/14 22:42
Vinyl chloride	< .001	mg/kg			WG727960	06/22/14 22:42
Xylenes, Total	< .003	mg/kg			WG727960	06/22/14 22:42
4-Bromofluorobenzene		% Rec.	103.0	71-126	WG727960	06/22/14 22:42
Dibromofluoromethane		% Rec.	99.20	78.3-121	WG727960	06/22/14 22:42
Toluene-d8		% Rec.	103.0	88.5-111	WG727960	06/22/14 22:42
Acenaphthene	< .033	mg/kg			WG727937	06/23/14 08:51
Acenaphthylene	< .033	mg/kg			WG727937	06/23/14 08:51
Anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(a)anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(a)pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(b)fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(g,h,i)perylene	< .033	mg/kg			WG727937	06/23/14 08:51
Benzo(k)fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Chrysene	< .033	mg/kg			WG727937	06/23/14 08:51
Dibenz(a,h)anthracene	< .033	mg/kg			WG727937	06/23/14 08:51
Fluoranthene	< .033	mg/kg			WG727937	06/23/14 08:51
Fluorene	< .033	mg/kg			WG727937	06/23/14 08:51
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
Naphthalene	< .033	mg/kg			WG727937	06/23/14 08:51
Phenanthrene	< .033	mg/kg			WG727937	06/23/14 08:51
Pyrene	< .033	mg/kg			WG727937	06/23/14 08:51
2-Fluorobiphenyl		% Rec.	91.00	41.4-134	WG727937	06/23/14 08:51
Nitrobenzene-d5		% Rec.	124.0	28.3-148	WG727937	06/23/14 08:51
p-Terphenyl-d14		% Rec.	93.30	35.8-140	WG727937	06/23/14 08:51
PCB 1016	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1221	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1232	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1242	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1248	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1254	< .017	mg/kg			WG727931	06/23/14 09:54
PCB 1260	< .017	mg/kg			WG727931	06/23/14 09:54
Decachlorobiphenyl		% Rec.	75.20	10-145	WG727931	06/23/14 09:54
Tetrachloro-m-xylene		% Rec.	92.60	21.1-148	WG727931	06/23/14 09:54
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,1-Trichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727287	06/21/14 00:28

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,2-Trichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
1,1-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trichloropropane	< .0025	mg/kg			WG727287	06/21/14 00:28
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727287	06/21/14 00:28
1,2-Dibromoethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichloroethane	< .001	mg/kg			WG727287	06/21/14 00:28
1,2-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,3-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
1,3-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
1,4-Dichlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
2,2-Dichloropropane	< .001	mg/kg			WG727287	06/21/14 00:28
2-Butanone (MEK)	< .01	mg/kg			WG727287	06/21/14 00:28
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727287	06/21/14 00:28
2-Chlorotoluene	< .001	mg/kg			WG727287	06/21/14 00:28
4-Chlorotoluene	< .001	mg/kg			WG727287	06/21/14 00:28
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727287	06/21/14 00:28
Acetone	< .05	mg/kg			WG727287	06/21/14 00:28
Acrylonitrile	< .01	mg/kg			WG727287	06/21/14 00:28
Benzene	< .001	mg/kg			WG727287	06/21/14 00:28
Bromobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Bromodichloromethane	< .001	mg/kg			WG727287	06/21/14 00:28
Bromoform	< .001	mg/kg			WG727287	06/21/14 00:28
Bromomethane	< .005	mg/kg			WG727287	06/21/14 00:28
Carbon tetrachloride	< .001	mg/kg			WG727287	06/21/14 00:28
Chlorobenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Chlorodibromomethane	< .001	mg/kg			WG727287	06/21/14 00:28
Chloroethane	< .005	mg/kg			WG727287	06/21/14 00:28
Chloroform	< .005	mg/kg			WG727287	06/21/14 00:28
Chloromethane	< .0025	mg/kg			WG727287	06/21/14 00:28
cis-1,2-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
cis-1,3-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28
Di-isopropyl ether	< .001	mg/kg			WG727287	06/21/14 00:28
Dibromomethane	< .001	mg/kg			WG727287	06/21/14 00:28
Dichlorodifluoromethane	< .005	mg/kg			WG727287	06/21/14 00:28
Ethylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727287	06/21/14 00:28
Isopropylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Methyl tert-butyl ether	< .001	mg/kg			WG727287	06/21/14 00:28
Methylene Chloride	< .005	mg/kg			WG727287	06/21/14 00:28
n-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
n-Propylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Naphthalene	< .005	mg/kg			WG727287	06/21/14 00:28
p-Isopropyltoluene	< .001	mg/kg			WG727287	06/21/14 00:28
sec-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Styrene	< .001	mg/kg			WG727287	06/21/14 00:28
tert-Butylbenzene	< .001	mg/kg			WG727287	06/21/14 00:28
Tetrachloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
Toluene	< .005	mg/kg			WG727287	06/21/14 00:28
trans-1,2-Dichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
trans-1,3-Dichloropropene	< .001	mg/kg			WG727287	06/21/14 00:28

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Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Trichloroethene	< .001	mg/kg			WG727287	06/21/14 00:28
Trichlorofluoromethane	< .005	mg/kg			WG727287	06/21/14 00:28
Vinyl chloride	< .001	mg/kg			WG727287	06/21/14 00:28
Xylenes, Total	< .003	mg/kg			WG727287	06/21/14 00:28
4-Bromofluorobenzene		% Rec.	97.00	71-126	WG727287	06/21/14 00:28
Dibromofluoromethane		% Rec.	92.30	78.3-121	WG727287	06/21/14 00:28
Toluene-d8		% Rec.	105.0	88.5-111	WG727287	06/21/14 00:28
Arsenic	< 1	mg/kg			WG727715	06/23/14 13:02
Barium	< .25	mg/kg			WG727715	06/23/14 13:02
Cadmium	< .25	mg/kg			WG727715	06/23/14 13:02
Chromium	< .5	mg/kg			WG727715	06/23/14 13:02
Lead	< .25	mg/kg			WG727715	06/23/14 13:02
Selenium	< 1	mg/kg			WG727715	06/23/14 13:02
Silver	< .5	mg/kg			WG727715	06/23/14 13:02
Lead	< .25	mg/kg			WG727984	06/23/14 20:45
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG727821	06/24/14 01:15
o-Terphenyl		% Rec.	72.00	50-150	WG727821	06/24/14 01:15
Acenaphthene	< .033	mg/kg			WG728031	06/24/14 10:52
Acenaphthylene	< .033	mg/kg			WG728031	06/24/14 10:52
Anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(a)anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(a)pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(b)fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(g,h,i)perylene	< .033	mg/kg			WG728031	06/24/14 10:52
Benzo(k)fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Chrysene	< .033	mg/kg			WG728031	06/24/14 10:52
Dibenz(a,h)anthracene	< .033	mg/kg			WG728031	06/24/14 10:52
Fluoranthene	< .033	mg/kg			WG728031	06/24/14 10:52
Fluorene	< .033	mg/kg			WG728031	06/24/14 10:52
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
Naphthalene	< .033	mg/kg			WG728031	06/24/14 10:52
Phenanthrene	< .033	mg/kg			WG728031	06/24/14 10:52
Pyrene	< .033	mg/kg			WG728031	06/24/14 10:52
2-Fluorobiphenyl		% Rec.	81.10	41.4-134	WG728031	06/24/14 10:52
Nitrobenzene-d5		% Rec.	83.90	28.3-148	WG728031	06/24/14 10:52
p-Terphenyl-d14		% Rec.	94.30	35.8-140	WG728031	06/24/14 10:52
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,1-Trichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2-Trichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
1,1-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trichloropropane	< .0025	mg/kg			WG728250	06/24/14 14:12
1,2,3-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,4-Trichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2,4-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG728250	06/24/14 14:12
1,2-Dibromoethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichloroethane	< .001	mg/kg			WG728250	06/24/14 14:12
1,2-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
1,3,5-Trimethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,3-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
1,3-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
1,4-Dichlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
2,2-Dichloropropane	< .001	mg/kg			WG728250	06/24/14 14:12
2-Butanone (MEK)	< .01	mg/kg			WG728250	06/24/14 14:12
2-Chloroethyl vinyl ether	< .05	mg/kg			WG728250	06/24/14 14:12
2-Chlorotoluene	< .001	mg/kg			WG728250	06/24/14 14:12
4-Chlorotoluene	< .001	mg/kg			WG728250	06/24/14 14:12
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG728250	06/24/14 14:12
Acetone	< .05	mg/kg			WG728250	06/24/14 14:12
Acrylonitrile	< .01	mg/kg			WG728250	06/24/14 14:12
Benzene	< .001	mg/kg			WG728250	06/24/14 14:12
Bromobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Bromodichloromethane	< .001	mg/kg			WG728250	06/24/14 14:12
Bromoform	< .001	mg/kg			WG728250	06/24/14 14:12
Bromomethane	< .005	mg/kg			WG728250	06/24/14 14:12
Carbon tetrachloride	< .001	mg/kg			WG728250	06/24/14 14:12
Chlorobenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Chlorodibromomethane	< .001	mg/kg			WG728250	06/24/14 14:12
Chloroethane	< .005	mg/kg			WG728250	06/24/14 14:12
Chloroform	< .005	mg/kg			WG728250	06/24/14 14:12
Chloromethane	< .0025	mg/kg			WG728250	06/24/14 14:12
cis-1,2-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
cis-1,3-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
Di-isopropyl ether	< .001	mg/kg			WG728250	06/24/14 14:12
Dibromomethane	< .001	mg/kg			WG728250	06/24/14 14:12
Dichlorodifluoromethane	< .005	mg/kg			WG728250	06/24/14 14:12
Ethylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Hexachloro-1,3-butadiene	< .001	mg/kg			WG728250	06/24/14 14:12
Isopropylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Methyl tert-butyl ether	< .001	mg/kg			WG728250	06/24/14 14:12
Methylene Chloride	< .005	mg/kg			WG728250	06/24/14 14:12
n-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
n-Propylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Naphthalene	< .005	mg/kg			WG728250	06/24/14 14:12
p-Isopropyltoluene	< .001	mg/kg			WG728250	06/24/14 14:12
sec-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Styrene	< .001	mg/kg			WG728250	06/24/14 14:12
tert-Butylbenzene	< .001	mg/kg			WG728250	06/24/14 14:12
Tetrachloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
Toluene	< .005	mg/kg			WG728250	06/24/14 14:12
trans-1,2-Dichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
trans-1,3-Dichloropropene	< .001	mg/kg			WG728250	06/24/14 14:12
Trichloroethene	< .001	mg/kg			WG728250	06/24/14 14:12
Trichlorofluoromethane	< .005	mg/kg			WG728250	06/24/14 14:12
Vinyl chloride	< .001	mg/kg			WG728250	06/24/14 14:12
Xylenes, Total	< .003	mg/kg			WG728250	06/24/14 14:12
4-Bromofluorobenzene		% Rec.	92.20	71-126	WG728250	06/24/14 14:12
Dibromofluoromethane		% Rec.	93.80	78.3-121	WG728250	06/24/14 14:12
Toluene-d8		% Rec.	95.80	88.5-111	WG728250	06/24/14 14:12
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG727346	06/24/14 12:12

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Quality Assurance Report
Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
a,a,a-Trifluorotoluene(FID)		% Rec.	95.30	50-150		06/24/14 12:12
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,1-Trichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2-Trichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
1,1-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trichloropropane	< .0025	mg/kg			WG727848	06/25/14 00:29
1,2,3-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,4-Trichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2,4-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG727848	06/25/14 00:29
1,2-Dibromoethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichloroethane	< .001	mg/kg			WG727848	06/25/14 00:29
1,2-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
1,3,5-Trimethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,3-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
1,3-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
1,4-Dichlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
2,2-Dichloropropane	< .001	mg/kg			WG727848	06/25/14 00:29
2-Butanone (MEK)	< .01	mg/kg			WG727848	06/25/14 00:29
2-Chloroethyl vinyl ether	< .05	mg/kg			WG727848	06/25/14 00:29
2-Chlorotoluene	< .001	mg/kg			WG727848	06/25/14 00:29
4-Chlorotoluene	< .001	mg/kg			WG727848	06/25/14 00:29
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG727848	06/25/14 00:29
Acetone	< .05	mg/kg			WG727848	06/25/14 00:29
Acrylonitrile	< .01	mg/kg			WG727848	06/25/14 00:29
Benzene	< .001	mg/kg			WG727848	06/25/14 00:29
Bromobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Bromodichloromethane	< .001	mg/kg			WG727848	06/25/14 00:29
Bromoform	< .001	mg/kg			WG727848	06/25/14 00:29
Bromomethane	< .005	mg/kg			WG727848	06/25/14 00:29
Carbon tetrachloride	< .001	mg/kg			WG727848	06/25/14 00:29
Chlorobenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Chlorodibromomethane	< .001	mg/kg			WG727848	06/25/14 00:29
Chloroethane	< .005	mg/kg			WG727848	06/25/14 00:29
Chloroform	< .005	mg/kg			WG727848	06/25/14 00:29
Chloromethane	< .0025	mg/kg			WG727848	06/25/14 00:29
cis-1,2-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
cis-1,3-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
Di-isopropyl ether	< .001	mg/kg			WG727848	06/25/14 00:29
Dibromomethane	< .001	mg/kg			WG727848	06/25/14 00:29
Dichlorodifluoromethane	< .005	mg/kg			WG727848	06/25/14 00:29
Ethylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Hexachloro-1,3-butadiene	< .001	mg/kg			WG727848	06/25/14 00:29
Isopropylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Methyl tert-butyl ether	< .001	mg/kg			WG727848	06/25/14 00:29
Methylene Chloride	< .005	mg/kg			WG727848	06/25/14 00:29
n-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
n-Propylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Naphthalene	< .005	mg/kg			WG727848	06/25/14 00:29
p-Isopropyltoluene	< .001	mg/kg			WG727848	06/25/14 00:29
sec-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29
Styrene	< .001	mg/kg			WG727848	06/25/14 00:29
tert-Butylbenzene	< .001	mg/kg			WG727848	06/25/14 00:29

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Level II

L705269

July 15, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Tetrachloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
Toluene	< .005	mg/kg			WG727848	06/25/14 00:29
trans-1,2-Dichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
trans-1,3-Dichloropropene	< .001	mg/kg			WG727848	06/25/14 00:29
Trichloroethene	< .001	mg/kg			WG727848	06/25/14 00:29
Trichlorofluoromethane	< .005	mg/kg			WG727848	06/25/14 00:29
Vinyl chloride	< .001	mg/kg			WG727848	06/25/14 00:29
Xylenes, Total	< .003	mg/kg			WG727848	06/25/14 00:29
4-Bromofluorobenzene		% Rec.	94.70	71-126	WG727848	06/25/14 00:29
Dibromofluoromethane		% Rec.	86.70	78.3-121	WG727848	06/25/14 00:29
Toluene-d8		% Rec.	94.90	88.5-111	WG727848	06/25/14 00:29
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG728024	06/24/14 23:55
o-Terphenyl		% Rec.	86.70	50-150	WG728024	06/24/14 23:55
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG727349	06/25/14 03:50
a,a,a-Trifluorotoluene(FID)		% Rec.	100.0	50-150	WG727349	06/25/14 03:50
PCB 1016	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1221	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1232	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1242	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1248	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1254	< .017	mg/kg			WG728030	06/25/14 10:29
PCB 1260	< .017	mg/kg			WG728030	06/25/14 10:29
Decachlorobiphenyl		% Rec.	57.70	10-145	WG728030	06/25/14 10:29
Tetrachloro-m-xylene		% Rec.	83.20	21.1-148	WG728030	06/25/14 10:29
Acenaphthene	< .033	mg/kg			WG728071	06/25/14 08:54
Acenaphthylene	< .033	mg/kg			WG728071	06/25/14 08:54
Anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(a)anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(a)pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(b)fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(g,h,i)perylene	< .033	mg/kg			WG728071	06/25/14 08:54
Benzo(k)fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Chrysene	< .033	mg/kg			WG728071	06/25/14 08:54
Dibenz(a,h)anthracene	< .033	mg/kg			WG728071	06/25/14 08:54
Fluoranthene	< .033	mg/kg			WG728071	06/25/14 08:54
Fluorene	< .033	mg/kg			WG728071	06/25/14 08:54
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
Naphthalene	< .033	mg/kg			WG728071	06/25/14 08:54
Phenanthrene	< .033	mg/kg			WG728071	06/25/14 08:54
Pyrene	< .033	mg/kg			WG728071	06/25/14 08:54
2-Fluorobiphenyl		% Rec.	92.50	41.4-134	WG728071	06/25/14 08:54
Nitrobenzene-d5		% Rec.	87.30	28.3-148	WG728071	06/25/14 08:54
p-Terphenyl-d14		% Rec.	117.0	35.8-140	WG728071	06/25/14 08:54
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG728614	06/25/14 22:11
a,a,a-Trifluorotoluene(FID)		% Rec.	80.90	50-150	WG728614	06/25/14 22:11
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG728761	06/26/14 13:20
a,a,a-Trifluorotoluene(FID)		% Rec.	99.00	50-150	WG728761	06/26/14 13:20

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Level II

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July 15, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Extractable Petroleum Hydrocarbon	< 4	mg/kg			WG728630	06/27/14 17:33
o-Terphenyl		% Rec.	102.0	50-150	WG728630	06/27/14 17:33
Arsenic	< 1	mg/kg			WG730928	07/10/14 23:38

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/kg	0.0520	0.180	111.*	20	L705224-01	WG727143
Mercury	mg/kg	0.0220	0.0334	40.0*	20	L705269-02	WG727205

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/kg	12.4	10.4	84.0	71.6-128	WG727143
Mercury	mg/kg	12.4	14.2	114.	71.6-128	WG727205
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0278	111.	74.2-124	WG727265
1,1,1-Trichloroethane	mg/l	.025	0.0212	84.9	73.2-123	WG727265
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0241	96.3	70.7-122	WG727265
1,1,2-Trichloroethane	mg/l	.025	0.0259	104.	77.7-118	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0247	98.8	67.2-143	WG727265
1,1-Dichloroethane	mg/l	.025	0.0227	90.6	70.7-126	WG727265
1,1-Dichloroethene	mg/l	.025	0.0262	105.	67.8-129	WG727265
1,1-Dichloropropene	mg/l	.025	0.0207	82.9	73.1-125	WG727265
1,2,3-Trichlorobenzene	mg/l	.025	0.0264	105.	64.9-135	WG727265
1,2,3-Trichloropropane	mg/l	.025	0.0248	99.1	71.8-121	WG727265
1,2,3-Trimethylbenzene	mg/l	.025	0.0194	77.6	72.3-116	WG727265
1,2,4-Trichlorobenzene	mg/l	.025	0.0244	97.6	69.7-136	WG727265
1,2,4-Trimethylbenzene	mg/l	.025	0.0241	96.5	75-123	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0264	105.	65.4-128	WG727265
1,2-Dibromoethane	mg/l	.025	0.0262	105.	76.6-121	WG727265
1,2-Dichlorobenzene	mg/l	.025	0.0239	95.5	78.4-117	WG727265
1,2-Dichloroethane	mg/l	.025	0.0185	74.1	68.8-124	WG727265
1,2-Dichloropropane	mg/l	.025	0.0219	87.7	76.5-119	WG727265
1,3,5-Trimethylbenzene	mg/l	.025	0.0250	100.	75.6-124	WG727265
1,3-Dichlorobenzene	mg/l	.025	0.0267	107.	70.8-128	WG727265
1,3-Dichloropropane	mg/l	.025	0.0235	94.0	77.4-117	WG727265
1,4-Dichlorobenzene	mg/l	.025	0.0235	94.0	78.8-115	WG727265
2,2-Dichloropropane	mg/l	.025	0.0226	90.4	62.4-133	WG727265
2-Butanone (MEK)	mg/l	.125	0.0890	71.2	55-149	WG727265
2-Chloroethyl vinyl ether	mg/l	.125	0.0759	60.8	43.8-150	WG727265
2-Chlorotoluene	mg/l	.025	0.0268	107.	74.7-122	WG727265
4-Chlorotoluene	mg/l	.025	0.0225	90.1	77.5-120	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.116	92.5	70.5-133	WG727265
Acetone	mg/l	.125	0.103	82.4	35.6-163	WG727265
Acrolein	mg/l	.125	0.0798	63.8	10-190	WG727265
Acrylonitrile	mg/l	.125	0.113	90.1	55.2-130	WG727265
Benzene	mg/l	.025	0.0200	80.2	74.8-121	WG727265
Bromobenzene	mg/l	.025	0.0224	89.6	77.5-116	WG727265
Bromodichloromethane	mg/l	.025	0.0220	88.1	75.1-116	WG727265
Bromoform	mg/l	.025	0.0305	122.	67.5-130	WG727265
Bromomethane	mg/l	.025	0.0283	113.	49.9-162	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Carbon tetrachloride	mg/l	.025	0.0216	86.2	70.2-123	WG727265
Chlorobenzene	mg/l	.025	0.0259	103.	78.1-119	WG727265
Chlorodibromomethane	mg/l	.025	0.0274	110.	74-121	WG727265
Chloroethane	mg/l	.025	0.0269	108.	61.7-135	WG727265
Chloroform	mg/l	.025	0.0206	82.3	76-121	WG727265
Chloromethane	mg/l	.025	0.0216	86.4	61.5-129	WG727265
cis-1,2-Dichloroethene	mg/l	.025	0.0223	89.2	76-119	WG727265
cis-1,3-Dichloropropene	mg/l	.025	0.0252	101.	78.2-120	WG727265
Di-isopropyl ether	mg/l	.025	0.0235	94.0	65.6-132	WG727265
Dibromomethane	mg/l	.025	0.0230	92.1	79.5-118	WG727265
Dichlorodifluoromethane	mg/l	.025	0.0189	75.6	54.8-135	WG727265
Ethylbenzene	mg/l	.025	0.0258	103.	78.8-122	WG727265
Hexachloro-1,3-butadiene	mg/l	.025	0.0242	96.8	64.7-129	WG727265
Isopropylbenzene	mg/l	.025	0.0275	110.	78.6-132	WG727265
Methyl tert-butyl ether	mg/l	.025	0.0212	84.6	71.2-126	WG727265
Methylene Chloride	mg/l	.025	0.0237	94.9	70.3-120	WG727265
n-Butylbenzene	mg/l	.025	0.0206	82.4	76.2-126	WG727265
n-Propylbenzene	mg/l	.025	0.0237	94.7	78.2-122	WG727265
Naphthalene	mg/l	.025	0.0243	97.4	68.4-128	WG727265
p-Isopropyltoluene	mg/l	.025	0.0265	106.	74-131	WG727265
sec-Butylbenzene	mg/l	.025	0.0256	103.	74.4-127	WG727265
Styrene	mg/l	.025	0.0267	107.	80.4-126	WG727265
tert-Butylbenzene	mg/l	.025	0.0255	102.	75.3-126	WG727265
Tetrachloroethene	mg/l	.025	0.0285	114.	72.6-126	WG727265
Toluene	mg/l	.025	0.0232	92.7	79.7-116	WG727265
trans-1,2-Dichloroethene	mg/l	.025	0.0235	94.0	72.6-121	WG727265
trans-1,3-Dichloropropene	mg/l	.025	0.0262	105.	74.3-123	WG727265
Trichloroethene	mg/l	.025	0.0250	100.	77.7-118	WG727265
Trichlorofluoromethane	mg/l	.025	0.0267	107.	63.5-135	WG727265
Vinyl chloride	mg/l	.025	0.0228	91.3	65.9-128	WG727265
Xylenes, Total	mg/l	.075	0.0761	101.	78.7-121	WG727265
4-Bromofluorobenzene				91.10	71-126	WG727265
Dibromofluoromethane				88.80	78.3-121	WG727265
Toluene-d8				97.40	88.5-111	WG727265
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0261	105.	72.9-124	WG727286
1,1,1-Trichloroethane	mg/kg	.025	0.0298	119.	73.7-124	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0264	106.	69.4-122	WG727286
1,1,2-Trichloroethane	mg/kg	.025	0.0272	109.	79.1-118	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0341	137.	70-146	WG727286
1,1-Dichloroethane	mg/kg	.025	0.0291	116.	75-124	WG727286
1,1-Dichloroethene	mg/kg	.025	0.0305	122.	70.4-129	WG727286
1,1-Dichloropropene	mg/kg	.025	0.0301	121.	74.9-124	WG727286
1,2,3-Trichlorobenzene	mg/kg	.025	0.0274	110.	69.3-131	WG727286
1,2,3-Trichloropropane	mg/kg	.025	0.0247	98.8	71.4-123	WG727286
1,2,3-Trimethylbenzene	mg/kg	.025	0.0282	113.	73.6-113	WG727286
1,2,4-Trichlorobenzene	mg/kg	.025	0.0273	109.	71.9-137	WG727286
1,2,4-Trimethylbenzene	mg/kg	.025	0.0265	106.	75.5-122	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0260	104.	62.8-133	WG727286
1,2-Dibromoethane	mg/kg	.025	0.0263	105.	78.6-120	WG727286
1,2-Dichlorobenzene	mg/kg	.025	0.0289	116.	78.3-118	WG727286
1,2-Dichloroethane	mg/kg	.025	0.0276	110.	70.1-124	WG727286
1,2-Dichloropropane	mg/kg	.025	0.0292	117.	77.9-119	WG727286
1,3,5-Trimethylbenzene	mg/kg	.025	0.0290	116.	75.9-124	WG727286
1,3-Dichlorobenzene	mg/kg	.025	0.0275	110.	72-126	WG727286
1,3-Dichloropropane	mg/kg	.025	0.0248	99.1	79.1-117	WG727286
1,4-Dichlorobenzene	mg/kg	.025	0.0274	110.	78.3-117	WG727286
2,2-Dichloropropane	mg/kg	.025	0.0302	121.	61.3-136	WG727286

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Butanone (MEK)	mg/kg	.125	0.106	85.1	53.7-153	WG727286
2-Chloroethyl vinyl ether	mg/kg	.125	0.136	109.	37.7-157	WG727286
2-Chlorotoluene	mg/kg	.025	0.0291	116.	75.6-121	WG727286
4-Chlorotoluene	mg/kg	.025	0.0275	110.	77.3-120	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.126	101.	70.4-137	WG727286
Acetone	mg/kg	.125	0.112	89.2	35.1-175	WG727286
Acrylonitrile	mg/kg	.125	0.128	103.	56.4-128	WG727286
Benzene	mg/kg	.025	0.0279	111.	77.1-121	WG727286
Bromobenzene	mg/kg	.025	0.0258	103.	78.2-115	WG727286
Bromodichloromethane	mg/kg	.025	0.0271	109.	74.9-115	WG727286
Bromoform	mg/kg	.025	0.0252	101.	65.9-132	WG727286
Bromomethane	mg/kg	.025	0.0257	103.	48.7-165	WG727286
Carbon tetrachloride	mg/kg	.025	0.0313	125.*	70-124	WG727286
Chlorobenzene	mg/kg	.025	0.0275	110.	79.1-119	WG727286
Chlorodibromomethane	mg/kg	.025	0.0264	105.	73.5-121	WG727286
Chloroethane	mg/kg	.025	0.0273	109.	66.2-132	WG727286
Chloroform	mg/kg	.025	0.0272	109.	76.7-122	WG727286
Chloromethane	mg/kg	.025	0.0266	106.	63.4-131	WG727286
cis-1,2-Dichloroethene	mg/kg	.025	0.0284	114.	78.2-119	WG727286
cis-1,3-Dichloropropene	mg/kg	.025	0.0283	113.	79.6-120	WG727286
Di-isopropyl ether	mg/kg	.025	0.0285	114.	70.4-133	WG727286
Dibromomethane	mg/kg	.025	0.0284	114.	79.4-120	WG727286
Dichlorodifluoromethane	mg/kg	.025	0.0280	112.	57.1-137	WG727286
Ethylbenzene	mg/kg	.025	0.0268	107.	79.7-122	WG727286
Hexachloro-1,3-butadiene	mg/kg	.025	0.0301	121.	68.2-123	WG727286
Isopropylbenzene	mg/kg	.025	0.0281	112.	80-135	WG727286
Methyl tert-butyl ether	mg/kg	.025	0.0265	106.	73-129	WG727286
Methylene Chloride	mg/kg	.025	0.0270	108.	72.6-120	WG727286
n-Butylbenzene	mg/kg	.025	0.0303	121.	77.5-126	WG727286
n-Propylbenzene	mg/kg	.025	0.0286	115.	77.9-123	WG727286
Naphthalene	mg/kg	.025	0.0253	101.	69.8-128	WG727286
p-Isopropyltoluene	mg/kg	.025	0.0284	113.	75.8-129	WG727286
sec-Butylbenzene	mg/kg	.025	0.0286	115.	75.8-126	WG727286
Styrene	mg/kg	.025	0.0272	109.	82.4-126	WG727286
tert-Butylbenzene	mg/kg	.025	0.0288	115.	76.4-126	WG727286
Tetrachloroethene	mg/kg	.025	0.0290	116.	73.9-125	WG727286
Toluene	mg/kg	.025	0.0282	113.	79.7-118	WG727286
trans-1,2-Dichloroethene	mg/kg	.025	0.0301	121.	73.8-122	WG727286
trans-1,3-Dichloropropene	mg/kg	.025	0.0278	111.	75.9-124	WG727286
Trichloroethene	mg/kg	.025	0.0294	118.	77.9-118	WG727286
Trichlorofluoromethane	mg/kg	.025	0.0289	116.	67.7-131	WG727286
Vinyl chloride	mg/kg	.025	0.0272	109.	66.7-130	WG727286
Xylenes, Total	mg/kg	.075	0.0799	107.	78.8-121	WG727286
4-Bromofluorobenzene				97.80	71-126	WG727286
Dibromofluoromethane				101.0	78.3-121	WG727286
Toluene-d8				101.0	88.5-111	WG727286
Acenaphthene	mg/kg	.4	0.331	82.9	50.7-125	WG727502
Acenaphthylene	mg/kg	.4	0.317	79.2	51.3-126	WG727502
Anthracene	mg/kg	.4	0.343	85.7	50.5-130	WG727502
Benzo(a)anthracene	mg/kg	.4	0.323	80.6	54.1-127	WG727502
Benzo(a)pyrene	mg/kg	.4	0.316	79.0	54.8-127	WG727502
Benzo(b)fluoranthene	mg/kg	.4	0.304	76.0	56.1-125	WG727502
Benzo(g,h,i)perylene	mg/kg	.4	0.312	78.0	53.3-132	WG727502
Benzo(k)fluoranthene	mg/kg	.4	0.325	81.2	50.9-129	WG727502
Chrysene	mg/kg	.4	0.311	77.8	55.3-126	WG727502
Dibenz(a,h)anthracene	mg/kg	.4	0.331	82.8	52.3-133	WG727502
Fluoranthene	mg/kg	.4	0.326	81.5	50.1-135	WG727502

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Fluorene	mg/kg	.4	0.325	81.1	52.3-125	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.324	80.9	50.1-135	WG727502
Naphthalene	mg/kg	.4	0.304	76.0	47.8-121	WG727502
Phenanthrene	mg/kg	.4	0.356	89.1	56-122	WG727502
Pyrene	mg/kg	.4	0.364	91.1	55.6-129	WG727502
2-Fluorobiphenyl				76.80	41.4-134	WG727502
Nitrobenzene-d5				72.20	28.3-148	WG727502
p-Terphenyl-d14				90.50	35.8-140	WG727502
Arsenic	mg/kg	237	227.	96.0	83.1-117	WG727624
Barium	mg/kg	252	246.	98.0	84.1-116	WG727624
Cadmium	mg/kg	191	169.	88.0	83.2-117	WG727624
Chromium	mg/kg	128	120.	93.0	81.3-118	WG727624
Lead	mg/kg	103	93.6	91.0	83.1-117	WG727624
Selenium	mg/kg	110	106.	97.0	78.7-122	WG727624
Silver	mg/kg	47.3	45.3	96.0	66.2-134	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0252	101.	72.9-124	WG727846
1,1,1-Trichloroethane	mg/kg	.025	0.0239	95.8	73.7-124	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0303	121.	69.4-122	WG727846
1,1,2-Trichloroethane	mg/kg	.025	0.0267	107.	79.1-118	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0239	95.4	70-146	WG727846
1,1-Dichloroethane	mg/kg	.025	0.0240	96.0	75-124	WG727846
1,1-Dichloroethene	mg/kg	.025	0.0207	83.0	70.4-129	WG727846
1,1-Dichloropropene	mg/kg	.025	0.0232	92.6	74.9-124	WG727846
1,2,3-Trichlorobenzene	mg/kg	.025	0.0255	102.	69.3-131	WG727846
1,2,3-Trichloropropane	mg/kg	.025	0.0289	116.	71.4-123	WG727846
1,2,3-Trimethylbenzene	mg/kg	.025	0.0239	95.7	73.6-113	WG727846
1,2,4-Trichlorobenzene	mg/kg	.025	0.0244	97.5	71.9-137	WG727846
1,2,4-Trimethylbenzene	mg/kg	.025	0.0250	100.	75.5-122	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0312	125.	62.8-133	WG727846
1,2-Dibromoethane	mg/kg	.025	0.0275	110.	78.6-120	WG727846
1,2-Dichlorobenzene	mg/kg	.025	0.0256	102.	78.3-118	WG727846
1,2-Dichloroethane	mg/kg	.025	0.0237	94.8	70.1-124	WG727846
1,2-Dichloropropane	mg/kg	.025	0.0230	91.9	77.9-119	WG727846
1,3,5-Trimethylbenzene	mg/kg	.025	0.0247	98.9	75.9-124	WG727846
1,3-Dichlorobenzene	mg/kg	.025	0.0250	100.	72-126	WG727846
1,3-Dichloropropane	mg/kg	.025	0.0252	101.	79.1-117	WG727846
1,4-Dichlorobenzene	mg/kg	.025	0.0242	96.7	78.3-117	WG727846
2,2-Dichloropropane	mg/kg	.025	0.0213	85.2	61.3-136	WG727846
2-Butanone (MEK)	mg/kg	.125	0.126	101.	53.7-153	WG727846
2-Chloroethyl vinyl ether	mg/kg	.125	0.119	95.6	37.7-157	WG727846
2-Chlorotoluene	mg/kg	.025	0.0215	86.1	75.6-121	WG727846
4-Chlorotoluene	mg/kg	.025	0.0247	98.8	77.3-120	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.148	119.	70.4-137	WG727846
Acetone	mg/kg	.125	0.122	97.9	35.1-175	WG727846
Acrylonitrile	mg/kg	.125	0.141	113.	56.4-128	WG727846
Benzene	mg/kg	.025	0.0236	94.3	77.1-121	WG727846
Bromobenzene	mg/kg	.025	0.0240	95.9	78.2-115	WG727846
Bromodichloromethane	mg/kg	.025	0.0249	99.6	74.9-115	WG727846
Bromoform	mg/kg	.025	0.0283	113.	65.9-132	WG727846
Bromomethane	mg/kg	.025	0.0205	81.9	48.7-165	WG727846
Carbon tetrachloride	mg/kg	.025	0.0260	104.	70-124	WG727846
Chlorobenzene	mg/kg	.025	0.0250	100.	79.1-119	WG727846
Chlorodibromomethane	mg/kg	.025	0.0264	106.	73.5-121	WG727846
Chloroethane	mg/kg	.025	0.0192	77.0	66.2-132	WG727846
Chloroform	mg/kg	.025	0.0246	98.5	76.7-122	WG727846

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chloromethane	mg/kg	.025	0.0180	72.2	63.4-131	WG727846
cis-1,2-Dichloroethene	mg/kg	.025	0.0252	101.	78.2-119	WG727846
cis-1,3-Dichloropropene	mg/kg	.025	0.0250	100.	79.6-120	WG727846
Di-isopropyl ether	mg/kg	.025	0.0229	91.8	70.4-133	WG727846
Dibromomethane	mg/kg	.025	0.0266	106.	79.4-120	WG727846
Dichlorodifluoromethane	mg/kg	.025	0.0198	79.3	57.1-137	WG727846
Ethylbenzene	mg/kg	.025	0.0247	98.8	79.7-122	WG727846
Hexachloro-1,3-butadiene	mg/kg	.025	0.0232	92.6	68.2-123	WG727846
Isopropylbenzene	mg/kg	.025	0.0247	99.0	80-135	WG727846
Methyl tert-butyl ether	mg/kg	.025	0.0253	101.	73-129	WG727846
Methylene Chloride	mg/kg	.025	0.0242	96.9	72.6-120	WG727846
n-Butylbenzene	mg/kg	.025	0.0244	97.5	77.5-126	WG727846
n-Propylbenzene	mg/kg	.025	0.0246	98.4	77.9-123	WG727846
Naphthalene	mg/kg	.025	0.0273	109.	69.8-128	WG727846
p-Isopropyltoluene	mg/kg	.025	0.0247	98.6	75.8-129	WG727846
sec-Butylbenzene	mg/kg	.025	0.0249	99.5	75.8-126	WG727846
Styrene	mg/kg	.025	0.0242	96.7	82.4-126	WG727846
tert-Butylbenzene	mg/kg	.025	0.0250	100.	76.4-126	WG727846
Tetrachloroethene	mg/kg	.025	0.0231	92.3	73.9-125	WG727846
Toluene	mg/kg	.025	0.0236	94.4	79.7-118	WG727846
trans-1,2-Dichloroethene	mg/kg	.025	0.0235	94.1	73.8-122	WG727846
trans-1,3-Dichloropropene	mg/kg	.025	0.0259	103.	75.9-124	WG727846
Trichloroethene	mg/kg	.025	0.0241	96.5	77.9-118	WG727846
Trichlorofluoromethane	mg/kg	.025	0.0222	89.0	67.7-131	WG727846
Vinyl chloride	mg/kg	.025	0.0186	74.5	66.7-130	WG727846
Xylenes, Total	mg/kg	.075	0.0735	98.0	78.8-121	WG727846
4-Bromofluorobenzene				97.10	71-126	WG727846
Dibromofluoromethane				99.70	78.3-121	WG727846
Toluene-d8				97.10	88.5-111	WG727846
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	72.9-124	WG727960
1,1,1-Trichloroethane	mg/kg	.025	0.0294	117.	73.7-124	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	69.4-122	WG727960
1,1,2-Trichloroethane	mg/kg	.025	0.0255	102.	79.1-118	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0327	131.	70-146	WG727960
1,1-Dichloroethane	mg/kg	.025	0.0301	120.	75-124	WG727960
1,1-Dichloroethene	mg/kg	.025	0.0297	119.	70.4-129	WG727960
1,1-Dichloropropene	mg/kg	.025	0.0287	115.	74.9-124	WG727960
1,2,3-Trichlorobenzene	mg/kg	.025	0.0269	107.	69.3-131	WG727960
1,2,3-Trichloropropane	mg/kg	.025	0.0240	96.0	71.4-123	WG727960
1,2,3-Trimethylbenzene	mg/kg	.025	0.0280	112.	73.6-113	WG727960
1,2,4-Trichlorobenzene	mg/kg	.025	0.0269	108.	71.9-137	WG727960
1,2,4-Trimethylbenzene	mg/kg	.025	0.0248	99.1	75.5-122	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0263	105.	62.8-133	WG727960
1,2-Dibromoethane	mg/kg	.025	0.0242	96.9	78.6-120	WG727960
1,2-Dichlorobenzene	mg/kg	.025	0.0284	113.	78.3-118	WG727960
1,2-Dichloroethane	mg/kg	.025	0.0282	113.	70.1-124	WG727960
1,2-Dichloropropane	mg/kg	.025	0.0292	117.	77.9-119	WG727960
1,3,5-Trimethylbenzene	mg/kg	.025	0.0268	107.	75.9-124	WG727960
1,3-Dichlorobenzene	mg/kg	.025	0.0266	107.	72-126	WG727960
1,3-Dichloropropane	mg/kg	.025	0.0233	93.2	79.1-117	WG727960
1,4-Dichlorobenzene	mg/kg	.025	0.0261	104.	78.3-117	WG727960
2,2-Dichloropropane	mg/kg	.025	0.0297	119.	61.3-136	WG727960
2-Butanone (MEK)	mg/kg	.125	0.138	110.	53.7-153	WG727960
2-Chloroethyl vinyl ether	mg/kg	.125	0.126	101.	37.7-157	WG727960
2-Chlorotoluene	mg/kg	.025	0.0271	108.	75.6-121	WG727960
4-Chlorotoluene	mg/kg	.025	0.0257	103.	77.3-120	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.129	103.	70.4-137	WG727960

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Acetone	mg/kg	.125	0.117	93.8	35.1-175	WG727960
Acrylonitrile	mg/kg	.125	0.142	114.	56.4-128	WG727960
Benzene	mg/kg	.025	0.0275	110.	77.1-121	WG727960
Bromobenzene	mg/kg	.025	0.0253	101.	78.2-115	WG727960
Bromodichloromethane	mg/kg	.025	0.0278	111.	74.9-115	WG727960
Bromoform	mg/kg	.025	0.0246	98.2	65.9-132	WG727960
Bromomethane	mg/kg	.025	0.0265	106.	48.7-165	WG727960
Carbon tetrachloride	mg/kg	.025	0.0305	122.	70-124	WG727960
Chlorobenzene	mg/kg	.025	0.0264	105.	79.1-119	WG727960
Chlorodibromomethane	mg/kg	.025	0.0247	99.0	73.5-121	WG727960
Chloroethane	mg/kg	.025	0.0270	108.	66.2-132	WG727960
Chloroform	mg/kg	.025	0.0286	114.	76.7-122	WG727960
Chloromethane	mg/kg	.025	0.0269	108.	63.4-131	WG727960
cis-1,2-Dichloroethene	mg/kg	.025	0.0300	120.*	78.2-119	WG727960
cis-1,3-Dichloropropene	mg/kg	.025	0.0271	108.	79.6-120	WG727960
Di-isopropyl ether	mg/kg	.025	0.0298	119.	70.4-133	WG727960
Dibromomethane	mg/kg	.025	0.0271	108.	79.4-120	WG727960
Dichlorodifluoromethane	mg/kg	.025	0.0282	113.	57.1-137	WG727960
Ethylbenzene	mg/kg	.025	0.0243	97.3	79.7-122	WG727960
Hexachloro-1,3-butadiene	mg/kg	.025	0.0284	114.	68.2-123	WG727960
Isopropylbenzene	mg/kg	.025	0.0266	106.	80-135	WG727960
Methyl tert-butyl ether	mg/kg	.025	0.0285	114.	73-129	WG727960
Methylene Chloride	mg/kg	.025	0.0281	112.	72.6-120	WG727960
n-Butylbenzene	mg/kg	.025	0.0278	111.	77.5-126	WG727960
n-Propylbenzene	mg/kg	.025	0.0262	105.	77.9-123	WG727960
Naphthalene	mg/kg	.025	0.0271	108.	69.8-128	WG727960
p-Isopropyltoluene	mg/kg	.025	0.0261	104.	75.8-129	WG727960
sec-Butylbenzene	mg/kg	.025	0.0266	106.	75.8-126	WG727960
Styrene	mg/kg	.025	0.0261	104.	82.4-126	WG727960
tert-Butylbenzene	mg/kg	.025	0.0266	106.	76.4-126	WG727960
Tetrachloroethene	mg/kg	.025	0.0252	101.	73.9-125	WG727960
Toluene	mg/kg	.025	0.0269	108.	79.7-118	WG727960
trans-1,2-Dichloroethene	mg/kg	.025	0.0301	120.	73.8-122	WG727960
trans-1,3-Dichloropropene	mg/kg	.025	0.0262	105.	75.9-124	WG727960
Trichloroethene	mg/kg	.025	0.0282	113.	77.9-118	WG727960
Trichlorofluoromethane	mg/kg	.025	0.0287	115.	67.7-131	WG727960
Vinyl chloride	mg/kg	.025	0.0267	107.	66.7-130	WG727960
Xylenes, Total	mg/kg	.075	0.0754	101.	78.8-121	WG727960
4-Bromofluorobenzene				91.50	71-126	WG727960
Dibromofluoromethane				102.0	78.3-121	WG727960
Toluene-d8				103.0	88.5-111	WG727960
Acenaphthene	mg/kg	.4	0.346	86.5	50.7-125	WG727937
Acenaphthylene	mg/kg	.4	0.354	88.5	51.3-126	WG727937
Anthracene	mg/kg	.4	0.390	97.5	50.5-130	WG727937
Benzo(a)anthracene	mg/kg	.4	0.338	84.4	54.1-127	WG727937
Benzo(a)pyrene	mg/kg	.4	0.373	93.3	54.8-127	WG727937
Benzo(b)fluoranthene	mg/kg	.4	0.392	97.9	56.1-125	WG727937
Benzo(g,h,i)perylene	mg/kg	.4	0.444	111.	53.3-132	WG727937
Benzo(k)fluoranthene	mg/kg	.4	0.358	89.5	50.9-129	WG727937
Chrysene	mg/kg	.4	0.337	84.3	55.3-126	WG727937
Dibenz(a,h)anthracene	mg/kg	.4	0.428	107.	52.3-133	WG727937
Fluoranthene	mg/kg	.4	0.436	109.	50.1-135	WG727937
Fluorene	mg/kg	.4	0.387	96.8	52.3-125	WG727937
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.420	105.	50.1-135	WG727937
Naphthalene	mg/kg	.4	0.362	90.4	47.8-121	WG727937
Phenanthrene	mg/kg	.4	0.388	96.9	56-122	WG727937
Pyrene	mg/kg	.4	0.348	87.0	55.6-129	WG727937

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July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Fluorobiphenyl				92.40	41.4-134	
Nitrobenzene-d5				75.20	28.3-148	
p-Terphenyl-d14				91.20	35.8-140	
PCB 1016	mg/kg	.167	0.171	102.	63.2-118	WG727931
PCB 1260	mg/kg	.167	0.153	91.6	64.6-123	WG727931
Decachlorobiphenyl				83.10	10-145	WG727931
Tetrachloro-m-xylene				103.0	21.1-148	WG727931
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0252	101.	72.9-124	WG727287
1,1,1-Trichloroethane	mg/kg	.025	0.0229	91.6	73.7-124	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0273	109.	69.4-122	WG727287
1,1,2-Trichloroethane	mg/kg	.025	0.0247	98.7	79.1-118	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0224	89.4	70-146	WG727287
1,1-Dichloroethane	mg/kg	.025	0.0221	88.5	75-124	WG727287
1,1-Dichloroethene	mg/kg	.025	0.0239	95.7	70.4-129	WG727287
1,1-Dichloropropene	mg/kg	.025	0.0218	87.3	74.9-124	WG727287
1,2,3-Trichlorobenzene	mg/kg	.025	0.0225	90.2	69.3-131	WG727287
1,2,3-Trichloropropane	mg/kg	.025	0.0271	109.	71.4-123	WG727287
1,2,3-Trimethylbenzene	mg/kg	.025	0.0240	96.0	73.6-113	WG727287
1,2,4-Trichlorobenzene	mg/kg	.025	0.0224	89.7	71.9-137	WG727287
1,2,4-Trimethylbenzene	mg/kg	.025	0.0255	102.	75.5-122	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0242	96.9	62.8-133	WG727287
1,2-Dibromoethane	mg/kg	.025	0.0275	110.	78.6-120	WG727287
1,2-Dichlorobenzene	mg/kg	.025	0.0243	97.4	78.3-118	WG727287
1,2-Dichloroethane	mg/kg	.025	0.0241	96.4	70.1-124	WG727287
1,2-Dichloropropane	mg/kg	.025	0.0250	100.	77.9-119	WG727287
1,3,5-Trimethylbenzene	mg/kg	.025	0.0256	102.	75.9-124	WG727287
1,3-Dichlorobenzene	mg/kg	.025	0.0264	106.	72-126	WG727287
1,3-Dichloropropane	mg/kg	.025	0.0252	101.	79.1-117	WG727287
1,4-Dichlorobenzene	mg/kg	.025	0.0247	99.0	78.3-117	WG727287
2,2-Dichloropropane	mg/kg	.025	0.0221	88.5	61.3-136	WG727287
2-Butanone (MEK)	mg/kg	.125	0.127	101.	53.7-153	WG727287
2-Chloroethyl vinyl ether	mg/kg	.125	0.137	109.	37.7-157	WG727287
2-Chlorotoluene	mg/kg	.025	0.0266	107.	75.6-121	WG727287
4-Chlorotoluene	mg/kg	.025	0.0252	101.	77.3-120	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.145	116.	70.4-137	WG727287
Acetone	mg/kg	.125	0.107	85.9	35.1-175	WG727287
Acrylonitrile	mg/kg	.125	0.118	94.5	56.4-128	WG727287
Benzene	mg/kg	.025	0.0213	85.3	77.1-121	WG727287
Bromobenzene	mg/kg	.025	0.0246	98.5	78.2-115	WG727287
Bromodichloromethane	mg/kg	.025	0.0237	94.8	74.9-115	WG727287
Bromoform	mg/kg	.025	0.0282	113.	65.9-132	WG727287
Bromomethane	mg/kg	.025	0.0291	116.	48.7-165	WG727287
Carbon tetrachloride	mg/kg	.025	0.0220	88.0	70-124	WG727287
Chlorobenzene	mg/kg	.025	0.0258	103.	79.1-119	WG727287
Chlorodibromomethane	mg/kg	.025	0.0264	106.	73.5-121	WG727287
Chloroethane	mg/kg	.025	0.0258	103.	66.2-132	WG727287
Chloroform	mg/kg	.025	0.0222	88.7	76.7-122	WG727287
Chloromethane	mg/kg	.025	0.0195	77.9	63.4-131	WG727287
cis-1,2-Dichloroethene	mg/kg	.025	0.0222	88.9	78.2-119	WG727287
cis-1,3-Dichloropropene	mg/kg	.025	0.0257	103.	79.6-120	WG727287
Di-isopropyl ether	mg/kg	.025	0.0233	93.1	70.4-133	WG727287
Dibromomethane	mg/kg	.025	0.0252	101.	79.4-120	WG727287
Dichlorodifluoromethane	mg/kg	.025	0.0201	80.3	57.1-137	WG727287
Ethylbenzene	mg/kg	.025	0.0258	103.	79.7-122	WG727287
Hexachloro-1,3-butadiene	mg/kg	.025	0.0225	89.8	68.2-123	WG727287
Isopropylbenzene	mg/kg	.025	0.0254	102.	80-135	WG727287
Methyl tert-butyl ether	mg/kg	.025	0.0237	94.9	73-129	WG727287

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Methylene Chloride	mg/kg	.025	0.0205	82.1	72.6-120	WG727287
n-Butylbenzene	mg/kg	.025	0.0239	95.5	77.5-126	WG727287
n-Propylbenzene	mg/kg	.025	0.0251	100.	77.9-123	WG727287
Naphthalene	mg/kg	.025	0.0223	89.2	69.8-128	WG727287
p-Isopropyltoluene	mg/kg	.025	0.0267	107.	75.8-129	WG727287
sec-Butylbenzene	mg/kg	.025	0.0257	103.	75.8-126	WG727287
Styrene	mg/kg	.025	0.0270	108.	82.4-126	WG727287
tert-Butylbenzene	mg/kg	.025	0.0260	104.	76.4-126	WG727287
Tetrachloroethene	mg/kg	.025	0.0255	102.	73.9-125	WG727287
Toluene	mg/kg	.025	0.0240	96.0	79.7-118	WG727287
trans-1,2-Dichloroethene	mg/kg	.025	0.0214	85.4	73.8-122	WG727287
trans-1,3-Dichloropropene	mg/kg	.025	0.0275	110.	75.9-124	WG727287
Trichloroethene	mg/kg	.025	0.0237	94.9	77.9-118	WG727287
Trichlorofluoromethane	mg/kg	.025	0.0241	96.4	67.7-131	WG727287
Vinyl chloride	mg/kg	.025	0.0206	82.5	66.7-130	WG727287
Xylenes, Total	mg/kg	.075	0.0771	103.	78.8-121	WG727287
4-Bromofluorobenzene				95.90	71-126	WG727287
Dibromofluoromethane				90.00	78.3-121	WG727287
Toluene-d8				102.0	88.5-111	WG727287
Arsenic	mg/kg	237	244.	103.	83.1-117	WG727715
Barium	mg/kg	252	258.	102.	84.1-116	WG727715
Cadmium	mg/kg	191	188.	98.0	83.2-117	WG727715
Chromium	mg/kg	128	128.	100.	81.3-118	WG727715
Lead	mg/kg	103	101.	98.0	83.1-117	WG727715
Selenium	mg/kg	110	113.	103.	78.7-122	WG727715
Silver	mg/kg	47.3	46.4	98.0	66.2-134	WG727715
Lead	mg/kg	103	101.	98.0	83.1-117	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	60	43.4	72.4	50-100	WG727821
o-Terphenyl				75.10	50-150	WG727821
Acenaphthene	mg/kg	.4	0.331	82.7	50.7-125	WG728031
Acenaphthylene	mg/kg	.4	0.336	84.0	51.3-126	WG728031
Anthracene	mg/kg	.4	0.336	84.1	50.5-130	WG728031
Benzo(a)anthracene	mg/kg	.4	0.326	81.4	54.1-127	WG728031
Benzo(a)pyrene	mg/kg	.4	0.338	84.4	54.8-127	WG728031
Benzo(b)fluoranthene	mg/kg	.4	0.329	82.3	56.1-125	WG728031
Benzo(g,h,i)perylene	mg/kg	.4	0.360	90.0	53.3-132	WG728031
Benzo(k)fluoranthene	mg/kg	.4	0.327	81.9	50.9-129	WG728031
Chrysene	mg/kg	.4	0.332	83.0	55.3-126	WG728031
Dibenz(a,h)anthracene	mg/kg	.4	0.354	88.5	52.3-133	WG728031
Fluoranthene	mg/kg	.4	0.330	82.4	50.1-135	WG728031
Fluorene	mg/kg	.4	0.325	81.1	52.3-125	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.354	88.6	50.1-135	WG728031
Naphthalene	mg/kg	.4	0.305	76.3	47.8-121	WG728031
Phenanthrene	mg/kg	.4	0.328	82.0	56-122	WG728031
Pyrene	mg/kg	.4	0.347	86.9	55.6-129	WG728031
2-Fluorobiphenyl				83.20	41.4-134	WG728031
Nitrobenzene-d5				81.00	28.3-148	WG728031
p-Terphenyl-d14				94.40	35.8-140	WG728031
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0254	101.	72.9-124	WG728250

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	mg/kg	.025	0.0242	96.9	73.7-124	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0237	95.0	69.4-122	WG728250
1,1,2-Trichloroethane	mg/kg	.025	0.0266	106.	79.1-118	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0241	96.4	70-146	WG728250
1,1-Dichloroethane	mg/kg	.025	0.0246	98.3	75-124	WG728250
1,1-Dichloroethene	mg/kg	.025	0.0238	95.1	70.4-129	WG728250
1,1-Dichloropropene	mg/kg	.025	0.0236	94.3	74.9-124	WG728250
1,2,3-Trichlorobenzene	mg/kg	.025	0.0228	91.4	69.3-131	WG728250
1,2,3-Trichloropropane	mg/kg	.025	0.0253	101.	71.4-123	WG728250
1,2,3-Trimethylbenzene	mg/kg	.025	0.0252	101.	73.6-113	WG728250
1,2,4-Trichlorobenzene	mg/kg	.025	0.0241	96.4	71.9-137	WG728250
1,2,4-Trimethylbenzene	mg/kg	.025	0.0239	95.7	75.5-122	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0226	90.4	62.8-133	WG728250
1,2-Dibromoethane	mg/kg	.025	0.0247	98.8	78.6-120	WG728250
1,2-Dichlorobenzene	mg/kg	.025	0.0257	103.	78.3-118	WG728250
1,2-Dichloroethane	mg/kg	.025	0.0243	97.3	70.1-124	WG728250
1,2-Dichloropropane	mg/kg	.025	0.0241	96.4	77.9-119	WG728250
1,3,5-Trimethylbenzene	mg/kg	.025	0.0244	97.8	75.9-124	WG728250
1,3-Dichlorobenzene	mg/kg	.025	0.0246	98.3	72-126	WG728250
1,3-Dichloropropane	mg/kg	.025	0.0247	98.8	79.1-117	WG728250
1,4-Dichlorobenzene	mg/kg	.025	0.0253	101.	78.3-117	WG728250
2,2-Dichloropropane	mg/kg	.025	0.0233	93.3	61.3-136	WG728250
2-Butanone (MEK)	mg/kg	.125	0.111	89.0	53.7-153	WG728250
2-Chloroethyl vinyl ether	mg/kg	.125	0.130	104.	37.7-157	WG728250
2-Chlorotoluene	mg/kg	.025	0.0245	98.0	75.6-121	WG728250
4-Chlorotoluene	mg/kg	.025	0.0238	95.1	77.3-120	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.122	97.3	70.4-137	WG728250
Acetone	mg/kg	.125	0.111	88.7	35.1-175	WG728250
Acrylonitrile	mg/kg	.125	0.114	90.9	56.4-128	WG728250
Benzene	mg/kg	.025	0.0238	95.2	77.1-121	WG728250
Bromobenzene	mg/kg	.025	0.0237	94.7	78.2-115	WG728250
Bromodichloromethane	mg/kg	.025	0.0244	97.8	74.9-115	WG728250
Bromoform	mg/kg	.025	0.0241	96.3	65.9-132	WG728250
Bromomethane	mg/kg	.025	0.0313	125.	48.7-165	WG728250
Carbon tetrachloride	mg/kg	.025	0.0238	95.0	70-124	WG728250
Chlorobenzene	mg/kg	.025	0.0264	106.	79.1-119	WG728250
Chlorodibromomethane	mg/kg	.025	0.0255	102.	73.5-121	WG728250
Chloroethane	mg/kg	.025	0.0260	104.	66.2-132	WG728250
Chloroform	mg/kg	.025	0.0246	98.4	76.7-122	WG728250
Chloromethane	mg/kg	.025	0.0207	82.7	63.4-131	WG728250
cis-1,2-Dichloroethene	mg/kg	.025	0.0257	103.	78.2-119	WG728250
cis-1,3-Dichloropropene	mg/kg	.025	0.0248	99.4	79.6-120	WG728250
Di-isopropyl ether	mg/kg	.025	0.0241	96.3	70.4-133	WG728250
Dibromomethane	mg/kg	.025	0.0257	103.	79.4-120	WG728250
Dichlorodifluoromethane	mg/kg	.025	0.0210	83.9	57.1-137	WG728250
Ethylbenzene	mg/kg	.025	0.0250	99.8	79.7-122	WG728250
Hexachloro-1,3-butadiene	mg/kg	.025	0.0221	88.3	68.2-123	WG728250
Isopropylbenzene	mg/kg	.025	0.0244	97.8	80-135	WG728250
Methyl tert-butyl ether	mg/kg	.025	0.0252	101.	73-129	WG728250
Methylene Chloride	mg/kg	.025	0.0254	102.	72.6-120	WG728250
n-Butylbenzene	mg/kg	.025	0.0237	94.8	77.5-126	WG728250
n-Propylbenzene	mg/kg	.025	0.0241	96.6	77.9-123	WG728250
Naphthalene	mg/kg	.025	0.0227	90.6	69.8-128	WG728250
p-Isopropyltoluene	mg/kg	.025	0.0233	93.0	75.8-129	WG728250
sec-Butylbenzene	mg/kg	.025	0.0237	94.8	75.8-126	WG728250
Styrene	mg/kg	.025	0.0254	102.	82.4-126	WG728250
tert-Butylbenzene	mg/kg	.025	0.0231	92.4	76.4-126	WG728250
Tetrachloroethene	mg/kg	.025	0.0263	105.	73.9-125	WG728250
Toluene	mg/kg	.025	0.0248	99.2	79.7-118	WG728250

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
trans-1,2-Dichloroethene	mg/kg	.025	0.0240	96.0	73.8-122	WG728250
trans-1,3-Dichloropropene	mg/kg	.025	0.0245	98.1	75.9-124	WG728250
Trichloroethene	mg/kg	.025	0.0258	103.	77.9-118	WG728250
Trichlorofluoromethane	mg/kg	.025	0.0242	96.7	67.7-131	WG728250
Vinyl chloride	mg/kg	.025	0.0213	85.2	66.7-130	WG728250
Xylenes, Total	mg/kg	.075	0.0750	100.	78.8-121	WG728250
4-Bromofluorobenzene				92.00	71-126	WG728250
Dibromofluoromethane				97.80	78.3-121	WG728250
Toluene-d8				97.00	88.5-111	WG728250
TPH (GC/FID) Low Fraction	mg/kg	1	0.591	59.1	50-100	WG727346
a,a,a-Trifluorotoluene(FID)				97.70	50-150	WG727346
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0279	111.	72.9-124	WG727848
1,1,1-Trichloroethane	mg/kg	.025	0.0223	89.3	73.7-124	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	69.4-122	WG727848
1,1,2-Trichloroethane	mg/kg	.025	0.0272	109.	79.1-118	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0227	90.9	70-146	WG727848
1,1-Dichloroethane	mg/kg	.025	0.0218	87.2	75-124	WG727848
1,1-Dichloroethene	mg/kg	.025	0.0203	81.1	70.4-129	WG727848
1,1-Dichloropropene	mg/kg	.025	0.0219	87.8	74.9-124	WG727848
1,2,3-Trichlorobenzene	mg/kg	.025	0.0281	112.	69.3-131	WG727848
1,2,3-Trichloropropane	mg/kg	.025	0.0264	105.	71.4-123	WG727848
1,2,3-Trimethylbenzene	mg/kg	.025	0.0233	93.1	73.6-113	WG727848
1,2,4-Trichlorobenzene	mg/kg	.025	0.0275	110.	71.9-137	WG727848
1,2,4-Trimethylbenzene	mg/kg	.025	0.0259	103.	75.5-122	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0269	108.	62.8-133	WG727848
1,2-Dibromoethane	mg/kg	.025	0.0273	109.	78.6-120	WG727848
1,2-Dichlorobenzene	mg/kg	.025	0.0256	103.	78.3-118	WG727848
1,2-Dichloroethane	mg/kg	.025	0.0211	84.3	70.1-124	WG727848
1,2-Dichloropropane	mg/kg	.025	0.0235	94.0	77.9-119	WG727848
1,3,5-Trimethylbenzene	mg/kg	.025	0.0259	104.	75.9-124	WG727848
1,3-Dichlorobenzene	mg/kg	.025	0.0281	112.	72-126	WG727848
1,3-Dichloropropane	mg/kg	.025	0.0254	102.	79.1-117	WG727848
1,4-Dichlorobenzene	mg/kg	.025	0.0244	97.8	78.3-117	WG727848
2,2-Dichloropropane	mg/kg	.025	0.0211	84.5	61.3-136	WG727848
2-Butanone (MEK)	mg/kg	.125	0.0999	79.9	53.7-153	WG727848
2-Chloroethyl vinyl ether	mg/kg	.125	0.139	112.	37.7-157	WG727848
2-Chlorotoluene	mg/kg	.025	0.0275	110.	75.6-121	WG727848
4-Chlorotoluene	mg/kg	.025	0.0249	99.7	77.3-120	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.111	88.5	70.4-137	WG727848
Acetone	mg/kg	.125	0.0981	78.5	35.1-175	WG727848
Acrylonitrile	mg/kg	.125	0.111	88.9	56.4-128	WG727848
Benzene	mg/kg	.025	0.0224	89.5	77.1-121	WG727848
Bromobenzene	mg/kg	.025	0.0238	95.3	78.2-115	WG727848
Bromodichloromethane	mg/kg	.025	0.0234	93.5	74.9-115	WG727848
Bromoform	mg/kg	.025	0.0300	120.	65.9-132	WG727848
Bromomethane	mg/kg	.025	0.0223	89.1	48.7-165	WG727848
Carbon tetrachloride	mg/kg	.025	0.0236	94.6	70-124	WG727848
Chlorobenzene	mg/kg	.025	0.0273	109.	79.1-119	WG727848
Chlorodibromomethane	mg/kg	.025	0.0285	114.	73.5-121	WG727848
Chloroethane	mg/kg	.025	0.0187	74.9	66.2-132	WG727848
Chloroform	mg/kg	.025	0.0220	88.1	76.7-122	WG727848
Chloromethane	mg/kg	.025	0.0203	81.3	63.4-131	WG727848
cis-1,2-Dichloroethene	mg/kg	.025	0.0252	101.	78.2-119	WG727848
cis-1,3-Dichloropropene	mg/kg	.025	0.0245	98.0	79.6-120	WG727848
Di-isopropyl ether	mg/kg	.025	0.0199	79.5	70.4-133	WG727848

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Dibromomethane	mg/kg	.025	0.0253	101.	79.4-120	WG727848
Dichlorodifluoromethane	mg/kg	.025	0.0224	89.4	57.1-137	WG727848
Ethylbenzene	mg/kg	.025	0.0274	110.	79.7-122	WG727848
Hexachloro-1,3-butadiene	mg/kg	.025	0.0260	104.	68.2-123	WG727848
Isopropylbenzene	mg/kg	.025	0.0263	105.	80-135	WG727848
Methyl tert-butyl ether	mg/kg	.025	0.0222	89.0	73-129	WG727848
Methylene Chloride	mg/kg	.025	0.0227	90.7	72.6-120	WG727848
n-Butylbenzene	mg/kg	.025	0.0238	95.3	77.5-126	WG727848
n-Propylbenzene	mg/kg	.025	0.0258	103.	77.9-123	WG727848
Naphthalene	mg/kg	.025	0.0275	110.	69.8-128	WG727848
p-Isopropyltoluene	mg/kg	.025	0.0276	110.	75.8-129	WG727848
sec-Butylbenzene	mg/kg	.025	0.0268	107.	75.8-126	WG727848
Styrene	mg/kg	.025	0.0276	110.	82.4-126	WG727848
tert-Butylbenzene	mg/kg	.025	0.0271	108.	76.4-126	WG727848
Tetrachloroethene	mg/kg	.025	0.0285	114.	73.9-125	WG727848
Toluene	mg/kg	.025	0.0242	97.0	79.7-118	WG727848
trans-1,2-Dichloroethene	mg/kg	.025	0.0242	97.0	73.8-122	WG727848
trans-1,3-Dichloropropene	mg/kg	.025	0.0285	114.	75.9-124	WG727848
Trichloroethene	mg/kg	.025	0.0261	104.	77.9-118	WG727848
Trichlorofluoromethane	mg/kg	.025	0.0208	83.0	67.7-131	WG727848
Vinyl chloride	mg/kg	.025	0.0197	79.0	66.7-130	WG727848
Xylenes, Total	mg/kg	.075	0.0799	107.	78.8-121	WG727848
4-Bromofluorobenzene				97.80	71-126	WG727848
Dibromofluoromethane				89.50	78.3-121	WG727848
Toluene-d8				94.70	88.5-111	WG727848
Extractable Petroleum Hydrocarbon	mg/kg	60	51.2	85.3	50-100	WG728024
o-Terphenyl				79.80	50-150	WG728024
TPH (GC/FID) Low Fraction	mg/kg	1	0.661	66.1	50-100	WG727349
a,a,a-Trifluorotoluene(FID)				92.10	50-150	WG727349
PCB 1016	mg/kg	.167	0.159	95.0	63.2-118	WG728030
PCB 1260	mg/kg	.167	0.138	82.5	64.6-123	WG728030
Decachlorobiphenyl				69.90	10-145	WG728030
Tetrachloro-m-xylene				96.30	21.1-148	WG728030
Acenaphthene	mg/kg	.4	0.387	96.7	50.7-125	WG728071
Acenaphthylene	mg/kg	.4	0.393	98.3	51.3-126	WG728071
Anthracene	mg/kg	.4	0.393	98.2	50.5-130	WG728071
Benzo(a)anthracene	mg/kg	.4	0.381	95.3	54.1-127	WG728071
Benzo(a)pyrene	mg/kg	.4	0.398	99.4	54.8-127	WG728071
Benzo(b)fluoranthene	mg/kg	.4	0.379	94.7	56.1-125	WG728071
Benzo(g,h,i)perylene	mg/kg	.4	0.417	104.	53.3-132	WG728071
Benzo(k)fluoranthene	mg/kg	.4	0.379	94.8	50.9-129	WG728071
Chrysene	mg/kg	.4	0.390	97.6	55.3-126	WG728071
Dibenz(a,h)anthracene	mg/kg	.4	0.406	101.	52.3-133	WG728071
Fluoranthene	mg/kg	.4	0.377	94.2	50.1-135	WG728071
Fluorene	mg/kg	.4	0.384	96.0	52.3-125	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	.4	0.410	103.	50.1-135	WG728071
Naphthalene	mg/kg	.4	0.348	86.9	47.8-121	WG728071
Phenanthrene	mg/kg	.4	0.380	95.1	56-122	WG728071
Pyrene	mg/kg	.4	0.448	112.	55.6-129	WG728071
2-Fluorobiphenyl				94.90	41.4-134	WG728071
Nitrobenzene-d5				87.40	28.3-148	WG728071

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Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
p-Terphenyl-d14				119.0	35.8-140	
TPH (GC/FID) Low Fraction	mg/kg	1	0.630	63.0	50-100	WG728614
a,a,a-Trifluorotoluene(FID)				89.60	50-150	WG728614
TPH (GC/FID) Low Fraction	mg/kg	1	0.578	57.8	50-100	WG728761
a,a,a-Trifluorotoluene(FID)				92.10	50-150	WG728761
Extractable Petroleum Hydrocarbon	mg/kg	60	56.8	94.7	50-100	WG728630
o-Terphenyl				89.90	50-150	WG728630
Arsenic	mg/kg	237	241.	102.	83.1-117	WG730928

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0253	0.0278	101.	74.2-124	9.33	20	WG727265
1,1,1-Trichloroethane	mg/l	0.0230	0.0212	92.0	73.2-123	8.12	20	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0205	0.0241	82.0	70.7-122	16.1	20	WG727265
1,1,2-Trichloroethane	mg/l	0.0237	0.0259	95.0	77.7-118	8.88	20	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0249	0.0247	100.	67.2-143	0.890	20	WG727265
1,1-Dichloroethane	mg/l	0.0231	0.0227	92.0	70.7-126	1.89	20	WG727265
1,1-Dichloroethene	mg/l	0.0267	0.0262	107.	67.8-129	2.01	20	WG727265
1,1-Dichloropropene	mg/l	0.0227	0.0207	91.0	73.1-125	9.28	20	WG727265
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0264	106.	64.9-135	0.310	20	WG727265
1,2,3-Trichloropropane	mg/l	0.0213	0.0248	85.0	71.8-121	15.3	20	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0192	0.0194	77.0	72.3-116	0.980	20	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0247	0.0244	99.0	69.7-136	1.30	20	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0212	0.0241	85.0	75-123	12.7	20	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0260	0.0264	104.	65.4-128	1.28	20	WG727265
1,2-Dibromoethane	mg/l	0.0238	0.0262	95.0	76.6-121	9.46	20	WG727265
1,2-Dichlorobenzene	mg/l	0.0239	0.0239	96.0	78.4-117	0.170	20	WG727265
1,2-Dichloroethane	mg/l	0.0214	0.0185	86.0	68.8-124	14.5	20	WG727265
1,2-Dichloropropane	mg/l	0.0238	0.0219	95.0	76.5-119	8.31	20	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0216	0.0250	86.0	75.6-124	14.5	20	WG727265
1,3-Dichlorobenzene	mg/l	0.0230	0.0267	92.0	70.8-128	14.8	20	WG727265
1,3-Dichloropropane	mg/l	0.0229	0.0235	92.0	77.4-117	2.55	20	WG727265
1,4-Dichlorobenzene	mg/l	0.0233	0.0235	93.0	78.8-115	0.980	20	WG727265
2,2-Dichloropropane	mg/l	0.0249	0.0226	100.	62.4-133	9.59	20	WG727265
2-Butanone (MEK)	mg/l	0.106	0.0890	85.0	55-149	17.9	20	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0797	0.0759	64.0	43.8-150	4.85	20	WG727265
2-Chlorotoluene	mg/l	0.0230	0.0268	92.0	74.7-122	15.3	20	WG727265
4-Chlorotoluene	mg/l	0.0197	0.0225	79.0	77.5-120	13.4	20	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.125	0.116	100.	70.5-133	8.08	20	WG727265
Acetone	mg/l	0.102	0.103	82.0	35.6-163	1.09	23.9	WG727265
Acrolein	mg/l	0.0791	0.0798	63.0	10-190	0.900	28.1	WG727265
Acrylonitrile	mg/l	0.112	0.113	90.0	55.2-130	0.260	20	WG727265
Benzene	mg/l	0.0228	0.0200	91.0	74.8-121	12.7	20	WG727265
Bromobenzene	mg/l	0.0197	0.0224	79.0	77.5-116	13.0	20	WG727265
Bromodichloromethane	mg/l	0.0230	0.0220	92.0	75.1-116	4.48	20	WG727265
Bromoform	mg/l	0.0266	0.0305	106.	67.5-130	13.5	20	WG727265
Bromomethane	mg/l	0.0288	0.0283	115.	49.9-162	1.94	20	WG727265
Carbon tetrachloride	mg/l	0.0230	0.0216	92.0	70.2-123	6.40	20	WG727265
Chlorobenzene	mg/l	0.0238	0.0259	95.0	78.1-119	8.10	20	WG727265
Chlorodibromomethane	mg/l	0.0248	0.0274	99.0	74-121	9.89	20	WG727265
Chloroethane	mg/l	0.0266	0.0269	106.	61.7-135	1.08	20	WG727265
Chloroform	mg/l	0.0219	0.0206	87.0	76-121	6.11	20	WG727265

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloromethane	mg/l	0.0214	0.0216	86.0	61.5-129	0.920	20	WG727265
cis-1,2-Dichloroethene	mg/l	0.0233	0.0223	93.0	76-119	4.34	20	WG727265
cis-1,3-Dichloropropene	mg/l	0.0262	0.0252	105.	78.2-120	3.83	20	WG727265
Di-isopropyl ether	mg/l	0.0239	0.0235	96.0	65.6-132	1.80	20	WG727265
Dibromomethane	mg/l	0.0233	0.0230	93.0	79.5-118	1.26	20	WG727265
Dichlorodifluoromethane	mg/l	0.0185	0.0189	74.0	54.8-135	2.16	20	WG727265
Ethylbenzene	mg/l	0.0240	0.0258	96.0	78.8-122	7.26	20	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0242	97.0	64.7-129	0.260	20	WG727265
Isopropylbenzene	mg/l	0.0252	0.0275	101.	78.6-132	8.75	20	WG727265
Methyl tert-butyl ether	mg/l	0.0211	0.0212	84.0	71.2-126	0.480	20	WG727265
Methylene Chloride	mg/l	0.0235	0.0237	94.0	70.3-120	0.790	20	WG727265
n-Butylbenzene	mg/l	0.0206	0.0206	82.0	76.2-126	0.0200	20	WG727265
n-Propylbenzene	mg/l	0.0208	0.0237	83.0	78.2-122	12.9	20	WG727265
Naphthalene	mg/l	0.0244	0.0243	98.0	68.4-128	0.200	20	WG727265
p-Isopropyltoluene	mg/l	0.0230	0.0265	92.0	74-131	14.3	20	WG727265
sec-Butylbenzene	mg/l	0.0224	0.0256	89.0	74.4-127	13.6	20	WG727265
Styrene	mg/l	0.0243	0.0267	97.0	80.4-126	9.66	20	WG727265
tert-Butylbenzene	mg/l	0.0226	0.0255	90.0	75.3-126	12.1	20	WG727265
Tetrachloroethene	mg/l	0.0251	0.0285	100.	72.6-126	12.6	20	WG727265
Toluene	mg/l	0.0232	0.0232	93.0	79.7-116	0.130	20	WG727265
trans-1,2-Dichloroethene	mg/l	0.0234	0.0235	93.0	72.6-121	0.500	20	WG727265
trans-1,3-Dichloropropene	mg/l	0.0256	0.0262	102.	74.3-123	2.22	20	WG727265
Trichloroethene	mg/l	0.0245	0.0250	98.0	77.7-118	2.28	20	WG727265
Trichlorofluoromethane	mg/l	0.0268	0.0267	107.	63.5-135	0.560	20	WG727265
Vinyl chloride	mg/l	0.0237	0.0228	95.0	65.9-128	3.88	20	WG727265
Xylenes, Total	mg/l	0.0701	0.0761	94.0	78.7-121	8.13	20	WG727265
4-Bromofluorobenzene				80.60	71-126			WG727265
Dibromofluoromethane				95.30	78.3-121			WG727265
Toluene-d8				99.50	88.5-111			WG727265
1,1,1,2-Tetrachloroethane	mg/kg	0.0275	0.0261	110.	72.9-124	5.08	20	WG727286
1,1,1-Trichloroethane	mg/kg	0.0282	0.0298	113.	73.7-124	5.50	20	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0276	0.0264	110.	69.4-122	4.27	20	WG727286
1,1,2-Trichloroethane	mg/kg	0.0282	0.0272	113.	79.1-118	3.46	20	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0315	0.0341	126.	70-146	8.02	20	WG727286
1,1-Dichloroethane	mg/kg	0.0275	0.0291	110.	75-124	5.55	20	WG727286
1,1-Dichloroethene	mg/kg	0.0287	0.0305	115.	70.4-129	5.86	20	WG727286
1,1-Dichloropropene	mg/kg	0.0281	0.0301	112.	74.9-124	7.08	20	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0265	0.0274	106.	69.3-131	3.32	20	WG727286
1,2,3-Trichloropropane	mg/kg	0.0264	0.0247	105.	71.4-123	6.51	20	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0288	0.0282	115*	73.6-113	1.87	20	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0283	0.0273	113.	71.9-137	3.60	20	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0271	0.0265	108.	75.5-122	1.89	20	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0257	0.0260	103.	62.8-133	1.03	20	WG727286
1,2-Dibromoethane	mg/kg	0.0269	0.0263	108.	78.6-120	2.28	20	WG727286
1,2-Dichlorobenzene	mg/kg	0.0287	0.0289	115.	78.3-118	0.820	20	WG727286
1,2-Dichloroethane	mg/kg	0.0277	0.0276	111.	70.1-124	0.570	20	WG727286
1,2-Dichloropropane	mg/kg	0.0294	0.0292	118.	77.9-119	0.640	20	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0294	0.0290	118.	75.9-124	1.64	20	WG727286
1,3-Dichlorobenzene	mg/kg	0.0284	0.0275	113.	72-126	3.20	20	WG727286
1,3-Dichloropropane	mg/kg	0.0261	0.0248	104.	79.1-117	5.31	20	WG727286
1,4-Dichlorobenzene	mg/kg	0.0276	0.0274	110.	78.3-117	0.710	20	WG727286
2,2-Dichloropropane	mg/kg	0.0284	0.0302	114.	61.3-136	6.04	20	WG727286
2-Butanone (MEK)	mg/kg	0.111	0.106	89.0	53.7-153	4.41	21.2	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.141	0.136	112.	37.7-157	3.29	20	WG727286
2-Chlorotoluene	mg/kg	0.0288	0.0291	115.	75.6-121	0.840	20	WG727286
4-Chlorotoluene	mg/kg	0.0289	0.0275	116.	77.3-120	5.07	20	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.132	0.126	105.	70.4-137	4.51	20	WG727286

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Acetone	mg/kg	0.113	0.112	90.0	35.1-175	1.16	26.1	WG727286
Acrylonitrile	mg/kg	0.128	0.128	103.	56.4-128	0.0800	20	WG727286
Benzene	mg/kg	0.0277	0.0279	111.	77.1-121	0.600	20	WG727286
Bromobenzene	mg/kg	0.0271	0.0258	108.	78.2-115	4.97	20	WG727286
Bromodichloromethane	mg/kg	0.0271	0.0271	108.	74.9-115	0.190	20	WG727286
Bromoform	mg/kg	0.0264	0.0252	106.	65.9-132	4.58	20	WG727286
Bromomethane	mg/kg	0.0265	0.0257	106.	48.7-165	2.85	20	WG727286
Carbon tetrachloride	mg/kg	0.0289	0.0313	116.	70-124	7.87	20	WG727286
Chlorobenzene	mg/kg	0.0293	0.0275	117.	79.1-119	6.64	20	WG727286
Chlorodibromomethane	mg/kg	0.0282	0.0264	113.	73.5-121	6.57	20	WG727286
Chloroethane	mg/kg	0.0266	0.0273	106.	66.2-132	2.50	20	WG727286
Chloroform	mg/kg	0.0269	0.0272	108.	76.7-122	1.12	20	WG727286
Chloromethane	mg/kg	0.0253	0.0266	101.	63.4-131	5.01	20	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0276	0.0284	110.	78.2-119	3.03	20	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0289	0.0283	116.	79.6-120	2.25	20	WG727286
Di-isopropyl ether	mg/kg	0.0280	0.0285	112.	70.4-133	1.54	20	WG727286
Dibromomethane	mg/kg	0.0272	0.0284	109.	79.4-120	4.17	20	WG727286
Dichlorodifluoromethane	mg/kg	0.0268	0.0280	107.	57.1-137	4.48	20	WG727286
Ethylbenzene	mg/kg	0.0274	0.0268	110.	79.7-122	2.24	20	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0289	0.0301	115.	68.2-123	4.29	20	WG727286
Isopropylbenzene	mg/kg	0.0286	0.0281	114.	80-135	1.70	20	WG727286
Methyl tert-butyl ether	mg/kg	0.0265	0.0265	106.	73-129	0.0600	20	WG727286
Methylene Chloride	mg/kg	0.0258	0.0270	103.	72.6-120	4.24	20	WG727286
n-Butylbenzene	mg/kg	0.0296	0.0303	118.	77.5-126	2.40	20	WG727286
n-Propylbenzene	mg/kg	0.0294	0.0286	117.	77.9-123	2.45	20	WG727286
Naphthalene	mg/kg	0.0259	0.0253	104.	69.8-128	2.59	20	WG727286
p-Isopropyltoluene	mg/kg	0.0286	0.0284	114.	75.8-129	0.960	20	WG727286
sec-Butylbenzene	mg/kg	0.0287	0.0286	115.	75.8-126	0.360	20	WG727286
Styrene	mg/kg	0.0289	0.0272	116.	82.4-126	5.86	20	WG727286
tert-Butylbenzene	mg/kg	0.0301	0.0288	120.	76.4-126	4.42	20	WG727286
Tetrachloroethene	mg/kg	0.0292	0.0290	117.	73.9-125	0.690	20	WG727286
Toluene	mg/kg	0.0279	0.0282	112.	79.7-118	0.760	20	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0284	0.0301	114.	73.8-122	5.93	20	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0274	0.0278	110.	75.9-124	1.26	20	WG727286
Trichloroethene	mg/kg	0.0290	0.0294	116.	77.9-118	1.36	20	WG727286
Trichlorofluoromethane	mg/kg	0.0263	0.0289	105.	67.7-131	9.55	20	WG727286
Vinyl chloride	mg/kg	0.0252	0.0272	101.	66.7-130	7.60	20	WG727286
Xylenes, Total	mg/kg	0.0823	0.0799	110.	78.8-121	2.99	20	WG727286
4-Bromofluorobenzene				102.0	71-126			WG727286
Dibromofluoromethane				101.0	78.3-121			WG727286
Toluene-d8				104.0	88.5-111			WG727286
Acenaphthene	mg/kg	0.330	0.331	82.0	50.7-125	0.340	20	WG727502
Acenaphthylene	mg/kg	0.337	0.317	84.0	51.3-126	6.29	20	WG727502
Anthracene	mg/kg	0.357	0.343	89.0	50.5-130	4.02	20	WG727502
Benzo(a)anthracene	mg/kg	0.334	0.323	83.0	54.1-127	3.44	20	WG727502
Benzo(a)pyrene	mg/kg	0.377	0.316	94.0	54.8-127	17.7	20	WG727502
Benzo(b)fluoranthene	mg/kg	0.378	0.304	94.0	56.1-125	21.7*	20	WG727502
Benzo(g,h,i)perylene	mg/kg	0.362	0.312	90.0	53.3-132	14.8	20	WG727502
Benzo(k)fluoranthene	mg/kg	0.356	0.325	89.0	50.9-129	9.30	20	WG727502
Chrysene	mg/kg	0.346	0.311	86.0	55.3-126	10.4	20	WG727502
Dibenz(a,h)anthracene	mg/kg	0.364	0.331	91.0	52.3-133	9.46	20	WG727502
Fluoranthene	mg/kg	0.336	0.326	84.0	50.1-135	2.93	20	WG727502
Fluorene	mg/kg	0.337	0.325	84.0	52.3-125	3.73	20	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.358	0.324	89.0	50.1-135	10.1	20	WG727502
Naphthalene	mg/kg	0.312	0.304	78.0	47.8-121	2.42	20	WG727502
Phenanthrene	mg/kg	0.351	0.356	88.0	56-122	1.36	20	WG727502
Pyrene	mg/kg	0.391	0.364	98.0	55.6-129	7.13	20	WG727502

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Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
2-Fluorobiphenyl				80.60	41.4-134			
Nitrobenzene-d5				72.00	28.3-148			
p-Terphenyl-d14				91.20	35.8-140			
Arsenic	mg/kg	225.	227.	95.0	83.1-117	1.00	20	WG727624
Barium	mg/kg	242.	246.	96.0	84.1-116	2.00	20	WG727624
Cadmium	mg/kg	167.	169.	88.0	83.2-117	1.00	20	WG727624
Chromium	mg/kg	118.	120.	92.0	81.3-118	2.00	20	WG727624
Lead	mg/kg	93.4	93.6	91.0	83.1-117	0.0	20	WG727624
Selenium	mg/kg	106.	106.	96.0	78.7-122	0.0	20	WG727624
Silver	mg/kg	45.3	45.3	96.0	66.2-134	0.0	20	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.0240	0.0252	96.0	72.9-124	4.95	20	WG727846
1,1,1-Trichloroethane	mg/kg	0.0234	0.0239	94.0	73.7-124	2.37	20	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.0272	0.0303	109.	69.4-122	10.6	20	WG727846
1,1,2-Trichloroethane	mg/kg	0.0255	0.0267	102.	79.1-118	4.37	20	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0230	0.0239	92.0	70-146	3.49	20	WG727846
1,1-Dichloroethane	mg/kg	0.0235	0.0240	94.0	75-124	2.01	20	WG727846
1,1-Dichloroethene	mg/kg	0.0200	0.0207	80.0	70.4-129	3.77	20	WG727846
1,1-Dichloropropene	mg/kg	0.0227	0.0232	91.0	74.9-124	2.17	20	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.0247	0.0255	99.0	69.3-131	2.99	20	WG727846
1,2,3-Trichloropropane	mg/kg	0.0270	0.0289	108.	71.4-123	6.96	20	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.0237	0.0239	95.0	73.6-113	0.920	20	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.0236	0.0244	94.0	71.9-137	3.24	20	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.0246	0.0250	98.0	75.5-122	1.65	20	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.0276	0.0312	110.	62.8-133	12.0	20	WG727846
1,2-Dibromoethane	mg/kg	0.0254	0.0275	102.	78.6-120	7.87	20	WG727846
1,2-Dichlorobenzene	mg/kg	0.0247	0.0256	99.0	78.3-118	3.64	20	WG727846
1,2-Dichloroethane	mg/kg	0.0220	0.0237	88.0	70.1-124	7.60	20	WG727846
1,2-Dichloropropane	mg/kg	0.0223	0.0230	89.0	77.9-119	3.03	20	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.0241	0.0247	96.0	75.9-124	2.73	20	WG727846
1,3-Dichlorobenzene	mg/kg	0.0247	0.0250	99.0	72-126	1.23	20	WG727846
1,3-Dichloropropane	mg/kg	0.0240	0.0252	96.0	79.1-117	4.83	20	WG727846
1,4-Dichlorobenzene	mg/kg	0.0233	0.0242	93.0	78.3-117	3.60	20	WG727846
2,2-Dichloropropane	mg/kg	0.0210	0.0213	84.0	61.3-136	1.53	20	WG727846
2-Butanone (MEK)	mg/kg	0.103	0.126	82.0	53.7-153	20.5	21.2	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.105	0.119	84.0	37.7-157	12.7	20	WG727846
2-Chlorotoluene	mg/kg	0.0211	0.0215	84.0	75.6-121	1.79	20	WG727846
4-Chlorotoluene	mg/kg	0.0243	0.0247	97.0	77.3-120	1.48	20	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.148	98.0	70.4-137	19.2	20	WG727846
Acetone	mg/kg	0.0989	0.122	79.0	35.1-175	21.2	26.1	WG727846
Acrylonitrile	mg/kg	0.118	0.141	95.0	56.4-128	17.5	20	WG727846
Benzene	mg/kg	0.0228	0.0236	91.0	77.1-121	3.49	20	WG727846
Bromobenzene	mg/kg	0.0236	0.0240	94.0	78.2-115	1.71	20	WG727846
Bromodichloromethane	mg/kg	0.0235	0.0249	94.0	74.9-115	5.68	20	WG727846
Bromoform	mg/kg	0.0266	0.0283	106.	65.9-132	6.23	20	WG727846
Bromomethane	mg/kg	0.0202	0.0205	81.0	48.7-165	1.11	20	WG727846
Carbon tetrachloride	mg/kg	0.0251	0.0260	100.	70-124	3.52	20	WG727846
Chlorobenzene	mg/kg	0.0243	0.0250	97.0	79.1-119	2.94	20	WG727846
Chlorodibromomethane	mg/kg	0.0253	0.0264	101.	73.5-121	4.28	20	WG727846
Chloroethane	mg/kg	0.0190	0.0192	76.0	66.2-132	1.12	20	WG727846
Chloroform	mg/kg	0.0240	0.0246	96.0	76.7-122	2.53	20	WG727846
Chloromethane	mg/kg	0.0175	0.0180	70.0	63.4-131	2.92	20	WG727846
cis-1,2-Dichloroethene	mg/kg	0.0244	0.0252	97.0	78.2-119	3.40	20	WG727846
cis-1,3-Dichloropropene	mg/kg	0.0236	0.0250	94.0	79.6-120	5.68	20	WG727846
Di-isopropyl ether	mg/kg	0.0219	0.0229	88.0	70.4-133	4.52	20	WG727846
Dibromomethane	mg/kg	0.0244	0.0266	98.0	79.4-120	8.62	20	WG727846
Dichlorodifluoromethane	mg/kg	0.0200	0.0198	80.0	57.1-137	0.620	20	WG727846
Ethylbenzene	mg/kg	0.0241	0.0247	96.0	79.7-122	2.44	20	WG727846

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Hexachloro-1,3-butadiene	mg/kg	0.0231	0.0232	92.0	68.2-123	0.400	20	WG727846
Isopropylbenzene	mg/kg	0.0238	0.0247	95.0	80-135	3.78	20	WG727846
Methyl tert-butyl ether	mg/kg	0.0236	0.0253	94.0	73-129	6.87	20	WG727846
Methylene Chloride	mg/kg	0.0232	0.0242	93.0	72.6-120	4.15	20	WG727846
n-Butylbenzene	mg/kg	0.0237	0.0244	95.0	77.5-126	2.64	20	WG727846
n-Propylbenzene	mg/kg	0.0238	0.0246	95.0	77.9-123	3.15	20	WG727846
Naphthalene	mg/kg	0.0246	0.0273	98.0	69.8-128	10.4	20	WG727846
p-Isopropyltoluene	mg/kg	0.0243	0.0247	97.0	75.8-129	1.54	20	WG727846
sec-Butylbenzene	mg/kg	0.0245	0.0249	98.0	75.8-126	1.74	20	WG727846
Styrene	mg/kg	0.0234	0.0242	94.0	82.4-126	3.20	20	WG727846
tert-Butylbenzene	mg/kg	0.0239	0.0250	96.0	76.4-126	4.54	20	WG727846
Tetrachloroethene	mg/kg	0.0226	0.0231	90.0	73.9-125	2.11	20	WG727846
Toluene	mg/kg	0.0226	0.0236	90.0	79.7-118	4.21	20	WG727846
trans-1,2-Dichloroethene	mg/kg	0.0230	0.0235	92.0	73.8-122	2.13	20	WG727846
trans-1,3-Dichloropropene	mg/kg	0.0243	0.0259	97.0	75.9-124	6.11	20	WG727846
Trichloroethene	mg/kg	0.0233	0.0241	93.0	77.9-118	3.34	20	WG727846
Trichlorofluoromethane	mg/kg	0.0223	0.0222	89.0	67.7-131	0.100	20	WG727846
Vinyl chloride	mg/kg	0.0180	0.0186	72.0	66.7-130	3.56	20	WG727846
Xylenes, Total	mg/kg	0.0714	0.0735	95.0	78.8-121	2.95	20	WG727846
4-Bromofluorobenzene				97.20	71-126			WG727846
Dibromofluoromethane				99.10	78.3-121			WG727846
Toluene-d8				96.50	88.5-111			WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0288	0.0267	115.	72.9-124	7.76	20	WG727960
1,1,1-Trichloroethane	mg/kg	0.0286	0.0294	114.	73.7-124	2.51	20	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	0.0302	0.0267	121.	69.4-122	12.6	20	WG727960
1,1,2-Trichloroethane	mg/kg	0.0294	0.0255	118.	79.1-118	14.1	20	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0323	0.0327	129.	70-146	1.16	20	WG727960
1,1-Dichloroethane	mg/kg	0.0293	0.0301	117.	75-124	2.81	20	WG727960
1,1-Dichloroethene	mg/kg	0.0300	0.0297	120.	70.4-129	0.740	20	WG727960
1,1-Dichloropropene	mg/kg	0.0288	0.0287	115.	74.9-124	0.460	20	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0277	0.0269	111.	69.3-131	3.07	20	WG727960
1,2,3-Trichloropropane	mg/kg	0.0286	0.0240	114.	71.4-123	17.7	20	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0289	0.0280	115*	73.6-113	2.89	20	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0288	0.0269	115.	71.9-137	6.97	20	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0269	0.0248	108.	75.5-122	8.22	20	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0298	0.0263	119.	62.8-133	12.3	20	WG727960
1,2-Dibromoethane	mg/kg	0.0280	0.0242	112.	78.6-120	14.3	20	WG727960
1,2-Dichlorobenzene	mg/kg	0.0293	0.0284	117.	78.3-118	3.05	20	WG727960
1,2-Dichloroethane	mg/kg	0.0298	0.0282	119.	70.1-124	5.52	20	WG727960
1,2-Dichloropropane	mg/kg	0.0289	0.0292	116.	77.9-119	0.900	20	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0284	0.0268	114.	75.9-124	5.62	20	WG727960
1,3-Dichlorobenzene	mg/kg	0.0277	0.0266	111.	72-126	4.08	20	WG727960
1,3-Dichloropropane	mg/kg	0.0264	0.0233	106.	79.1-117	12.5	20	WG727960
1,4-Dichlorobenzene	mg/kg	0.0267	0.0261	107.	78.3-117	2.11	20	WG727960
2,2-Dichloropropane	mg/kg	0.0312	0.0297	125.	61.3-136	4.66	20	WG727960
2-Butanone (MEK)	mg/kg	0.123	0.138	98.0	53.7-153	11.4	21.2	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.136	0.126	109.	37.7-157	7.81	20	WG727960
2-Chlorotoluene	mg/kg	0.0281	0.0271	112.	75.6-121	3.71	20	WG727960
4-Chlorotoluene	mg/kg	0.0280	0.0257	112.	77.3-120	8.26	20	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.150	0.129	120.	70.4-137	14.5	20	WG727960
Acetone	mg/kg	0.133	0.117	106.	35.1-175	12.4	26.1	WG727960
Acrylonitrile	mg/kg	0.156	0.142	125.	56.4-128	9.40	20	WG727960
Benzene	mg/kg	0.0274	0.0275	110.	77.1-121	0.240	20	WG727960
Bromobenzene	mg/kg	0.0271	0.0253	108.	78.2-115	6.88	20	WG727960
Bromodichloromethane	mg/kg	0.0278	0.0278	111.	74.9-115	0.200	20	WG727960
Bromoform	mg/kg	0.0280	0.0246	112.	65.9-132	13.0	20	WG727960
Bromomethane	mg/kg	0.0268	0.0265	107.	48.7-165	0.960	20	WG727960

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Nathan Peterson
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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Carbon tetrachloride	mg/kg	0.0299	0.0305	120.	70-124	1.72	20	WG727960
Chlorobenzene	mg/kg	0.0277	0.0264	111.	79.1-119	4.95	20	WG727960
Chlorodibromomethane	mg/kg	0.0286	0.0247	114.	73.5-121	14.4	20	WG727960
Chloroethane	mg/kg	0.0252	0.0270	101.	66.2-132	6.96	20	WG727960
Chloroform	mg/kg	0.0284	0.0286	113.	76.7-122	0.860	20	WG727960
Chloromethane	mg/kg	0.0279	0.0269	112.	63.4-131	3.45	20	WG727960
cis-1,2-Dichloroethene	mg/kg	0.0287	0.0300	115.	78.2-119	4.33	20	WG727960
cis-1,3-Dichloropropene	mg/kg	0.0279	0.0271	112.	79.6-120	2.95	20	WG727960
Di-isopropyl ether	mg/kg	0.0300	0.0298	120.	70.4-133	0.640	20	WG727960
Dibromomethane	mg/kg	0.0286	0.0271	114.	79.4-120	5.30	20	WG727960
Dichlorodifluoromethane	mg/kg	0.0284	0.0282	114.	57.1-137	0.800	20	WG727960
Ethylbenzene	mg/kg	0.0267	0.0243	107.	79.7-122	9.47	20	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0291	0.0284	116.	68.2-123	2.43	20	WG727960
Isopropylbenzene	mg/kg	0.0279	0.0266	112.	80-135	4.98	20	WG727960
Methyl tert-butyl ether	mg/kg	0.0297	0.0285	119.	73-129	4.15	20	WG727960
Methylene Chloride	mg/kg	0.0274	0.0281	109.	72.6-120	2.58	20	WG727960
n-Butylbenzene	mg/kg	0.0289	0.0278	116.	77.5-126	3.91	20	WG727960
n-Propylbenzene	mg/kg	0.0280	0.0262	112.	77.9-123	6.86	20	WG727960
Naphthalene	mg/kg	0.0297	0.0271	119.	69.8-128	9.33	20	WG727960
p-Isopropyltoluene	mg/kg	0.0277	0.0261	111.	75.8-129	6.12	20	WG727960
sec-Butylbenzene	mg/kg	0.0281	0.0266	112.	75.8-126	5.52	20	WG727960
Styrene	mg/kg	0.0280	0.0261	112.	82.4-126	7.11	20	WG727960
tert-Butylbenzene	mg/kg	0.0282	0.0266	113.	76.4-126	5.96	20	WG727960
Tetrachloroethene	mg/kg	0.0267	0.0252	107.	73.9-125	5.81	20	WG727960
Toluene	mg/kg	0.0271	0.0269	108.	79.7-118	0.630	20	WG727960
trans-1,2-Dichloroethene	mg/kg	0.0291	0.0301	116.	73.8-122	3.32	20	WG727960
trans-1,3-Dichloropropene	mg/kg	0.0267	0.0262	107.	75.9-124	2.00	20	WG727960
Trichloroethene	mg/kg	0.0285	0.0282	114.	77.9-118	1.14	20	WG727960
Trichlorofluoromethane	mg/kg	0.0278	0.0287	111.	67.7-131	3.41	20	WG727960
Vinyl chloride	mg/kg	0.0271	0.0267	108.	66.7-130	1.36	20	WG727960
Xylenes, Total	mg/kg	0.0793	0.0754	106.	78.8-121	5.00	20	WG727960
4-Bromofluorobenzene				103.0	71-126			WG727960
Dibromofluoromethane				108.0	78.3-121			WG727960
Toluene-d8				99.40	88.5-111			WG727960
Acenaphthene	mg/kg	0.353	0.346	88.0	50.7-125	1.87	20	WG727937
Acenaphthylene	mg/kg	0.363	0.354	91.0	51.3-126	2.39	20	WG727937
Anthracene	mg/kg	0.383	0.390	96.0	50.5-130	1.88	20	WG727937
Benzo(a)anthracene	mg/kg	0.338	0.338	84.0	54.1-127	0.0500	20	WG727937
Benzo(a)pyrene	mg/kg	0.360	0.373	90.0	54.8-127	3.49	20	WG727937
Benzo(b)fluoranthene	mg/kg	0.385	0.392	96.0	56.1-125	1.75	20	WG727937
Benzo(g,h,i)perylene	mg/kg	0.424	0.444	106.	53.3-132	4.48	20	WG727937
Benzo(k)fluoranthene	mg/kg	0.341	0.358	85.0	50.9-129	4.80	20	WG727937
Chrysene	mg/kg	0.334	0.337	83.0	55.3-126	1.02	20	WG727937
Dibenz(a,h)anthracene	mg/kg	0.412	0.428	103.	52.3-133	3.84	20	WG727937
Fluoranthene	mg/kg	0.422	0.436	105.	50.1-135	3.21	20	WG727937
Fluorene	mg/kg	0.396	0.387	99.0	52.3-125	2.27	20	WG727937
Indeno(1,2,3-cd)pyrene	mg/kg	0.410	0.420	102.	50.1-135	2.48	20	WG727937
Naphthalene	mg/kg	0.365	0.362	91.0	47.8-121	0.850	20	WG727937
Phenanthrene	mg/kg	0.381	0.388	95.0	56-122	1.69	20	WG727937
Pyrene	mg/kg	0.344	0.348	86.0	55.6-129	1.06	20	WG727937
2-Fluorobiphenyl				93.20	41.4-134			WG727937
Nitrobenzene-d5				75.20	28.3-148			WG727937
p-Terphenyl-d14				89.40	35.8-140			WG727937
PCB 1016	mg/kg	0.175	0.171	105.	63.2-118	2.44	20	WG727931
PCB 1260	mg/kg	0.157	0.153	94.0	64.6-123	2.76	20.8	WG727931

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Decachlorobiphenyl				80.90	10-145			
Tetrachloro-m-xylene				99.80	21.1-148			
1,1,1,2-Tetrachloroethane	mg/kg	0.0255	0.0252	102.	72.9-124	1.20	20	WG727287
1,1,1-Trichloroethane	mg/kg	0.0219	0.0229	87.0	73.7-124	4.71	20	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.0260	0.0273	104.	69.4-122	4.60	20	WG727287
1,1,2-Trichloroethane	mg/kg	0.0248	0.0247	99.0	79.1-118	0.500	20	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0219	0.0224	88.0	70-146	1.97	20	WG727287
1,1-Dichloroethane	mg/kg	0.0218	0.0221	87.0	75-124	1.73	20	WG727287
1,1-Dichloroethene	mg/kg	0.0231	0.0239	92.0	70.4-129	3.43	20	WG727287
1,1-Dichloropropene	mg/kg	0.0209	0.0218	84.0	74.9-124	4.37	20	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0208	0.0225	83.0	69.3-131	7.98	20	WG727287
1,2,3-Trichloropropane	mg/kg	0.0257	0.0271	103.	71.4-123	5.53	20	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0230	0.0240	92.0	73.6-113	4.15	20	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0214	0.0224	85.0	71.9-137	4.86	20	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.0251	0.0255	100.	75.5-122	1.78	20	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.0225	0.0242	90.0	62.8-133	7.44	20	WG727287
1,2-Dibromoethane	mg/kg	0.0260	0.0275	104.	78.6-120	5.54	20	WG727287
1,2-Dichlorobenzene	mg/kg	0.0229	0.0243	92.0	78.3-118	5.99	20	WG727287
1,2-Dichloroethane	mg/kg	0.0237	0.0241	95.0	70.1-124	1.80	20	WG727287
1,2-Dichloropropane	mg/kg	0.0252	0.0250	101.	77.9-119	0.590	20	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.0253	0.0256	101.	75.9-124	1.14	20	WG727287
1,3-Dichlorobenzene	mg/kg	0.0253	0.0264	101.	72-126	4.39	20	WG727287
1,3-Dichloropropane	mg/kg	0.0247	0.0252	99.0	79.1-117	1.83	20	WG727287
1,4-Dichlorobenzene	mg/kg	0.0237	0.0247	95.0	78.3-117	4.45	20	WG727287
2,2-Dichloropropane	mg/kg	0.0217	0.0221	87.0	61.3-136	1.90	20	WG727287
2-Butanone (MEK)	mg/kg	0.124	0.127	99.0	53.7-153	2.10	21.2	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.131	0.137	105.	37.7-157	3.94	20	WG727287
2-Chlorotoluene	mg/kg	0.0250	0.0266	100.	75.6-121	6.38	20	WG727287
4-Chlorotoluene	mg/kg	0.0245	0.0252	98.0	77.3-120	2.79	20	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.143	0.145	114.	70.4-137	1.60	20	WG727287
Acetone	mg/kg	0.108	0.107	86.0	35.1-175	0.110	26.1	WG727287
Acrylonitrile	mg/kg	0.115	0.118	92.0	56.4-128	2.78	20	WG727287
Benzene	mg/kg	0.0209	0.0213	84.0	77.1-121	2.14	20	WG727287
Bromobenzene	mg/kg	0.0238	0.0246	95.0	78.2-115	3.29	20	WG727287
Bromodichloromethane	mg/kg	0.0238	0.0237	95.0	74.9-115	0.470	20	WG727287
Bromoform	mg/kg	0.0271	0.0282	108.	65.9-132	4.01	20	WG727287
Bromomethane	mg/kg	0.0291	0.0291	116.	48.7-165	0.0500	20	WG727287
Carbon tetrachloride	mg/kg	0.0213	0.0220	85.0	70-124	2.99	20	WG727287
Chlorobenzene	mg/kg	0.0255	0.0258	102.	79.1-119	1.37	20	WG727287
Chlorodibromomethane	mg/kg	0.0257	0.0264	103.	73.5-121	2.84	20	WG727287
Chloroethane	mg/kg	0.0261	0.0258	104.	66.2-132	1.26	20	WG727287
Chloroform	mg/kg	0.0217	0.0222	87.0	76.7-122	2.23	20	WG727287
Chloromethane	mg/kg	0.0182	0.0195	73.0	63.4-131	6.59	20	WG727287
cis-1,2-Dichloroethene	mg/kg	0.0215	0.0222	86.0	78.2-119	3.27	20	WG727287
cis-1,3-Dichloropropene	mg/kg	0.0256	0.0257	102.	79.6-120	0.320	20	WG727287
Di-isopropyl ether	mg/kg	0.0228	0.0233	91.0	70.4-133	2.24	20	WG727287
Dibromomethane	mg/kg	0.0251	0.0252	100.	79.4-120	0.430	20	WG727287
Dichlorodifluoromethane	mg/kg	0.0197	0.0201	79.0	57.1-137	1.59	20	WG727287
Ethylbenzene	mg/kg	0.0248	0.0258	99.0	79.7-122	3.97	20	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0209	0.0225	84.0	68.2-123	7.17	20	WG727287
Isopropylbenzene	mg/kg	0.0251	0.0254	100.	80-135	1.46	20	WG727287
Methyl tert-butyl ether	mg/kg	0.0230	0.0237	92.0	73-129	3.24	20	WG727287
Methylene Chloride	mg/kg	0.0201	0.0205	80.0	72.6-120	1.85	20	WG727287
n-Butylbenzene	mg/kg	0.0226	0.0239	90.0	77.5-126	5.25	20	WG727287
n-Propylbenzene	mg/kg	0.0245	0.0251	98.0	77.9-123	2.34	20	WG727287
Naphthalene	mg/kg	0.0205	0.0223	82.0	69.8-128	8.25	20	WG727287
p-Isopropyltoluene	mg/kg	0.0259	0.0267	104.	75.8-129	3.15	20	WG727287
sec-Butylbenzene	mg/kg	0.0253	0.0257	101.	75.8-126	1.42	20	WG727287
Styrene	mg/kg	0.0261	0.0270	104.	82.4-126	3.30	20	WG727287

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
tert-Butylbenzene	mg/kg	0.0257	0.0260	103.	76.4-126	1.51	20	WG727287
Tetrachloroethene	mg/kg	0.0249	0.0255	100.	73.9-125	2.46	20	WG727287
Toluene	mg/kg	0.0241	0.0240	96.0	79.7-118	0.630	20	WG727287
trans-1,2-Dichloroethene	mg/kg	0.0207	0.0214	83.0	73.8-122	3.28	20	WG727287
trans-1,3-Dichloropropene	mg/kg	0.0272	0.0275	109.	75.9-124	1.08	20	WG727287
Trichloroethene	mg/kg	0.0233	0.0237	93.0	77.9-118	1.87	20	WG727287
Trichlorofluoromethane	mg/kg	0.0242	0.0241	97.0	67.7-131	0.410	20	WG727287
Vinyl chloride	mg/kg	0.0204	0.0206	82.0	66.7-130	0.890	20	WG727287
Xylenes, Total	mg/kg	0.0749	0.0771	100.	78.8-121	2.93	20	WG727287
4-Bromofluorobenzene				96.70	71-126			WG727287
Dibromofluoromethane				90.10	78.3-121			WG727287
Toluene-d8				105.0	88.5-111			WG727287
Arsenic	mg/kg	251.	244.	106.	83.1-117	3.00	20	WG727715
Barium	mg/kg	260.	258.	103.	84.1-116	1.00	20	WG727715
Cadmium	mg/kg	191.	188.	100.	83.2-117	1.00	20	WG727715
Chromium	mg/kg	130.	128.	101.	81.3-118	2.00	20	WG727715
Lead	mg/kg	103.	101.	100.	83.1-117	2.00	20	WG727715
Selenium	mg/kg	118.	113.	107.	78.7-122	4.00	20	WG727715
Silver	mg/kg	47.5	46.4	100.	66.2-134	2.00	20	WG727715
Lead	mg/kg	100.	101.	97.0	83.1-117	0.0	20	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	43.5	43.4	72.0	50-100	0.250	20	WG727821
o-Terphenyl				71.60	50-150			WG727821
Acenaphthene	mg/kg	0.346	0.331	86.0	50.7-125	4.46	20	WG728031
Acenaphthylene	mg/kg	0.356	0.336	89.0	51.3-126	5.59	20	WG728031
Anthracene	mg/kg	0.345	0.336	86.0	50.5-130	2.49	20	WG728031
Benzo(a)anthracene	mg/kg	0.334	0.326	83.0	54.1-127	2.44	20	WG728031
Benzo(a)pyrene	mg/kg	0.347	0.338	87.0	54.8-127	2.68	20	WG728031
Benzo(b)fluoranthene	mg/kg	0.342	0.329	85.0	56.1-125	3.73	20	WG728031
Benzo(g,h,i)perylene	mg/kg	0.367	0.360	92.0	53.3-132	2.05	20	WG728031
Benzo(k)fluoranthene	mg/kg	0.333	0.327	83.0	50.9-129	1.69	20	WG728031
Chrysene	mg/kg	0.340	0.332	85.0	55.3-126	2.43	20	WG728031
Dibenz(a,h)anthracene	mg/kg	0.362	0.354	90.0	52.3-133	2.20	20	WG728031
Fluoranthene	mg/kg	0.335	0.330	84.0	50.1-135	1.71	20	WG728031
Fluorene	mg/kg	0.342	0.325	86.0	52.3-125	5.24	20	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.369	0.354	92.0	50.1-135	4.16	20	WG728031
Naphthalene	mg/kg	0.308	0.305	77.0	47.8-121	1.08	20	WG728031
Phenanthrene	mg/kg	0.336	0.328	84.0	56-122	2.50	20	WG728031
Pyrene	mg/kg	0.360	0.347	90.0	55.6-129	3.51	20	WG728031
2-Fluorobiphenyl				86.60	41.4-134			WG728031
Nitrobenzene-d5				83.40	28.3-148			WG728031
p-Terphenyl-d14				95.20	35.8-140			WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.0254	0.0254	102.	72.9-124	0.280	20	WG728250
1,1,1-Trichloroethane	mg/kg	0.0245	0.0242	98.0	73.7-124	1.01	20	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.0236	0.0237	94.0	69.4-122	0.780	20	WG728250
1,1,2-Trichloroethane	mg/kg	0.0262	0.0266	105.	79.1-118	1.67	20	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0242	0.0241	97.0	70-146	0.390	20	WG728250
1,1-Dichloroethane	mg/kg	0.0248	0.0246	99.0	75-124	0.680	20	WG728250
1,1-Dichloroethene	mg/kg	0.0237	0.0238	95.0	70.4-129	0.260	20	WG728250
1,1-Dichloropropene	mg/kg	0.0239	0.0236	96.0	74.9-124	1.43	20	WG728250

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2,3-Trichlorobenzene	mg/kg	0.0231	0.0228	92.0	69.3-131	1.21	20	WG728250
1,2,3-Trichloropropane	mg/kg	0.0267	0.0253	107.	71.4-123	5.26	20	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.0255	0.0252	102.	73.6-113	1.11	20	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0243	0.0241	97.0	71.9-137	0.900	20	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.0244	0.0239	98.0	75.5-122	1.94	20	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.0222	0.0226	89.0	62.8-133	1.64	20	WG728250
1,2-Dibromoethane	mg/kg	0.0252	0.0247	101.	78.6-120	2.08	20	WG728250
1,2-Dichlorobenzene	mg/kg	0.0261	0.0257	104.	78.3-118	1.35	20	WG728250
1,2-Dichloroethane	mg/kg	0.0248	0.0243	99.0	70.1-124	2.09	20	WG728250
1,2-Dichloropropane	mg/kg	0.0242	0.0241	97.0	77.9-119	0.340	20	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.0251	0.0244	100.	75.9-124	2.52	20	WG728250
1,3-Dichlorobenzene	mg/kg	0.0249	0.0246	100.	72-126	1.32	20	WG728250
1,3-Dichloropropane	mg/kg	0.0250	0.0247	100.	79.1-117	1.22	20	WG728250
1,4-Dichlorobenzene	mg/kg	0.0264	0.0253	106.	78.3-117	4.38	20	WG728250
2,2-Dichloropropane	mg/kg	0.0249	0.0233	100.	61.3-136	6.66	20	WG728250
2-Butanone (MEK)	mg/kg	0.111	0.111	89.0	53.7-153	0.380	21.2	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.133	0.130	106.	37.7-157	2.00	20	WG728250
2-Chlorotoluene	mg/kg	0.0253	0.0245	101.	75.6-121	3.06	20	WG728250
4-Chlorotoluene	mg/kg	0.0249	0.0238	99.0	77.3-120	4.44	20	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.122	98.0	70.4-137	0.760	20	WG728250
Acetone	mg/kg	0.106	0.111	85.0	35.1-175	4.70	26.1	WG728250
Acrylonitrile	mg/kg	0.111	0.114	88.0	56.4-128	2.62	20	WG728250
Benzene	mg/kg	0.0241	0.0238	96.0	77.1-121	1.37	20	WG728250
Bromobenzene	mg/kg	0.0244	0.0237	98.0	78.2-115	2.94	20	WG728250
Bromodichloromethane	mg/kg	0.0251	0.0244	100.	74.9-115	2.62	20	WG728250
Bromoform	mg/kg	0.0245	0.0241	98.0	65.9-132	1.93	20	WG728250
Bromomethane	mg/kg	0.0326	0.0313	130.	48.7-165	4.11	20	WG728250
Carbon tetrachloride	mg/kg	0.0240	0.0238	96.0	70-124	1.06	20	WG728250
Chlorobenzene	mg/kg	0.0266	0.0264	106.	79.1-119	0.570	20	WG728250
Chlorodibromomethane	mg/kg	0.0252	0.0255	101.	73.5-121	1.17	20	WG728250
Chloroethane	mg/kg	0.0262	0.0260	105.	66.2-132	0.830	20	WG728250
Chloroform	mg/kg	0.0248	0.0246	99.0	76.7-122	0.650	20	WG728250
Chloromethane	mg/kg	0.0210	0.0207	84.0	63.4-131	1.34	20	WG728250
cis-1,2-Dichloroethene	mg/kg	0.0260	0.0257	104.	78.2-119	1.10	20	WG728250
cis-1,3-Dichloropropene	mg/kg	0.0251	0.0248	100.	79.6-120	0.870	20	WG728250
Di-isopropyl ether	mg/kg	0.0242	0.0241	97.0	70.4-133	0.480	20	WG728250
Dibromomethane	mg/kg	0.0256	0.0257	102.	79.4-120	0.580	20	WG728250
Dichlorodifluoromethane	mg/kg	0.0218	0.0210	87.0	57.1-137	3.82	20	WG728250
Ethylbenzene	mg/kg	0.0251	0.0250	100.	79.7-122	0.440	20	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0222	0.0221	89.0	68.2-123	0.480	20	WG728250
Isopropylbenzene	mg/kg	0.0247	0.0244	99.0	80-135	1.18	20	WG728250
Methyl tert-butyl ether	mg/kg	0.0255	0.0252	102.	73-129	1.30	20	WG728250
Methylene Chloride	mg/kg	0.0258	0.0254	103.	72.6-120	1.62	20	WG728250
n-Butylbenzene	mg/kg	0.0236	0.0237	94.0	77.5-126	0.600	20	WG728250
n-Propylbenzene	mg/kg	0.0247	0.0241	99.0	77.9-123	2.12	20	WG728250
Naphthalene	mg/kg	0.0228	0.0227	91.0	69.8-128	0.480	20	WG728250
p-Isopropyltoluene	mg/kg	0.0236	0.0233	94.0	75.8-129	1.55	20	WG728250
sec-Butylbenzene	mg/kg	0.0241	0.0237	96.0	75.8-126	1.72	20	WG728250
Styrene	mg/kg	0.0257	0.0254	103.	82.4-126	0.980	20	WG728250
tert-Butylbenzene	mg/kg	0.0238	0.0231	95.0	76.4-126	2.90	20	WG728250
Tetrachloroethene	mg/kg	0.0262	0.0263	105.	73.9-125	0.390	20	WG728250
Toluene	mg/kg	0.0250	0.0248	100.	79.7-118	0.610	20	WG728250
trans-1,2-Dichloroethene	mg/kg	0.0240	0.0240	96.0	73.8-122	0.0500	20	WG728250
trans-1,3-Dichloropropene	mg/kg	0.0252	0.0245	101.	75.9-124	2.76	20	WG728250
Trichloroethene	mg/kg	0.0257	0.0258	103.	77.9-118	0.370	20	WG728250
Trichlorofluoromethane	mg/kg	0.0251	0.0242	100.	67.7-131	3.70	20	WG728250
Vinyl chloride	mg/kg	0.0217	0.0213	87.0	66.7-130	2.04	20	WG728250
Xylenes, Total	mg/kg	0.0753	0.0750	100.	78.8-121	0.480	20	WG728250
4-Bromofluorobenzene				94.10	71-126			WG728250

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Quality Assurance Report
Level II

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July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Dibromofluoromethane				95.70	78.3-121			
Toluene-d8				97.40	88.5-111			
TPH (GC/FID) Low Fraction	mg/kg	0.587	0.591	59.0	50-100	0.680	20	WG727346
a,a,a-Trifluorotoluene(FID)				99.70	50-150			WG727346
1,1,1,2-Tetrachloroethane	mg/kg	0.0288	0.0279	115.	72.9-124	3.26	20	WG727848
1,1,1-Trichloroethane	mg/kg	0.0233	0.0223	93.0	73.7-124	4.23	20	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.0265	0.0267	106.	69.4-122	0.560	20	WG727848
1,1,2-Trichloroethane	mg/kg	0.0273	0.0272	109.	79.1-118	0.310	20	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0238	0.0227	95.0	70-146	4.56	20	WG727848
1,1-Dichloroethane	mg/kg	0.0224	0.0218	89.0	75-124	2.57	20	WG727848
1,1-Dichloroethene	mg/kg	0.0208	0.0203	83.0	70.4-129	2.64	20	WG727848
1,1-Dichloropropene	mg/kg	0.0227	0.0219	91.0	74.9-124	3.20	20	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0289	0.0281	116.	69.3-131	2.94	20	WG727848
1,2,3-Trichloropropane	mg/kg	0.0271	0.0264	108.	71.4-123	2.79	20	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.0243	0.0233	97.0	73.6-113	4.17	20	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0280	0.0275	112.	71.9-137	1.83	20	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.0268	0.0259	107.	75.5-122	3.54	20	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.0269	0.0269	107.	62.8-133	0.130	20	WG727848
1,2-Dibromoethane	mg/kg	0.0284	0.0273	114.	78.6-120	4.20	20	WG727848
1,2-Dichlorobenzene	mg/kg	0.0268	0.0256	107.	78.3-118	4.61	20	WG727848
1,2-Dichloroethane	mg/kg	0.0212	0.0211	85.0	70.1-124	0.410	20	WG727848
1,2-Dichloropropane	mg/kg	0.0236	0.0235	94.0	77.9-119	0.570	20	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.0266	0.0259	106.	75.9-124	2.76	20	WG727848
1,3-Dichlorobenzene	mg/kg	0.0286	0.0281	114.	72-126	1.79	20	WG727848
1,3-Dichloropropane	mg/kg	0.0257	0.0254	103.	79.1-117	1.30	20	WG727848
1,4-Dichlorobenzene	mg/kg	0.0255	0.0244	102.	78.3-117	4.03	20	WG727848
2,2-Dichloropropane	mg/kg	0.0227	0.0211	91.0	61.3-136	7.35	20	WG727848
2-Butanone (MEK)	mg/kg	0.0980	0.0999	78.0	53.7-153	1.84	21.2	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.136	0.139	109.	37.7-157	2.41	20	WG727848
2-Chlorotoluene	mg/kg	0.0284	0.0275	113.	75.6-121	3.15	20	WG727848
4-Chlorotoluene	mg/kg	0.0256	0.0249	102.	77.3-120	2.45	20	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.107	0.111	86.0	70.4-137	3.27	20	WG727848
Acetone	mg/kg	0.0949	0.0981	76.0	35.1-175	3.40	26.1	WG727848
Acrylonitrile	mg/kg	0.111	0.111	89.0	56.4-128	0.0800	20	WG727848
Benzene	mg/kg	0.0232	0.0224	93.0	77.1-121	3.50	20	WG727848
Bromobenzene	mg/kg	0.0246	0.0238	98.0	78.2-115	3.16	20	WG727848
Bromodichloromethane	mg/kg	0.0238	0.0234	95.0	74.9-115	2.01	20	WG727848
Bromoform	mg/kg	0.0300	0.0300	120.	65.9-132	0.290	20	WG727848
Bromomethane	mg/kg	0.0232	0.0223	93.0	48.7-165	3.99	20	WG727848
Carbon tetrachloride	mg/kg	0.0242	0.0236	97.0	70-124	2.13	20	WG727848
Chlorobenzene	mg/kg	0.0283	0.0273	113.	79.1-119	3.41	20	WG727848
Chlorodibromomethane	mg/kg	0.0288	0.0285	115.	73.5-121	1.28	20	WG727848
Chloroethane	mg/kg	0.0191	0.0187	76.0	66.2-132	2.11	20	WG727848
Chloroform	mg/kg	0.0229	0.0220	92.0	76.7-122	3.93	20	WG727848
Chloromethane	mg/kg	0.0206	0.0203	82.0	63.4-131	1.33	20	WG727848
cis-1,2-Dichloroethene	mg/kg	0.0257	0.0252	103.	78.2-119	1.80	20	WG727848
cis-1,3-Dichloropropene	mg/kg	0.0248	0.0245	99.0	79.6-120	1.08	20	WG727848
Di-isopropyl ether	mg/kg	0.0206	0.0199	82.0	70.4-133	3.48	20	WG727848
Dibromomethane	mg/kg	0.0251	0.0253	100.	79.4-120	0.830	20	WG727848
Dichlorodifluoromethane	mg/kg	0.0231	0.0224	92.0	57.1-137	3.25	20	WG727848
Ethylbenzene	mg/kg	0.0281	0.0274	112.	79.7-122	2.49	20	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0269	0.0260	108.	68.2-123	3.40	20	WG727848
Isopropylbenzene	mg/kg	0.0269	0.0263	108.	80-135	2.25	20	WG727848
Methyl tert-butyl ether	mg/kg	0.0226	0.0222	90.0	73-129	1.52	20	WG727848
Methylene Chloride	mg/kg	0.0234	0.0227	93.0	72.6-120	2.98	20	WG727848
n-Butylbenzene	mg/kg	0.0246	0.0238	98.0	77.5-126	3.14	20	WG727848
n-Propylbenzene	mg/kg	0.0269	0.0258	108.	77.9-123	4.10	20	WG727848

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Naphthalene	mg/kg	0.0276	0.0275	110.	69.8-128	0.520	20	WG727848
p-Isopropyltoluene	mg/kg	0.0283	0.0276	113.	75.8-129	2.46	20	WG727848
sec-Butylbenzene	mg/kg	0.0275	0.0268	110.	75.8-126	2.57	20	WG727848
Styrene	mg/kg	0.0282	0.0276	113.	82.4-126	2.05	20	WG727848
tert-Butylbenzene	mg/kg	0.0278	0.0271	111.	76.4-126	2.58	20	WG727848
Tetrachloroethene	mg/kg	0.0299	0.0285	120.	73.9-125	4.79	20	WG727848
Toluene	mg/kg	0.0248	0.0242	99.0	79.7-118	2.35	20	WG727848
trans-1,2-Dichloroethene	mg/kg	0.0252	0.0242	101.	73.8-122	4.03	20	WG727848
trans-1,3-Dichloropropene	mg/kg	0.0281	0.0285	112.	75.9-124	1.54	20	WG727848
Trichloroethene	mg/kg	0.0259	0.0261	103.	77.9-118	0.890	20	WG727848
Trichlorofluoromethane	mg/kg	0.0224	0.0208	90.0	67.7-131	7.54	20	WG727848
Vinyl chloride	mg/kg	0.0202	0.0197	81.0	66.7-130	2.38	20	WG727848
Xylenes, Total	mg/kg	0.0830	0.0799	111.	78.8-121	3.74	20	WG727848
4-Bromofluorobenzene				98.00	71-126			WG727848
Dibromofluoromethane				91.30	78.3-121			WG727848
Toluene-d8				94.20	88.5-111			WG727848
Extractable Petroleum Hydrocarbon	mg/kg	54.0	51.2	90.0	50-100	5.39	20	WG728024
o-Terphenyl				85.80	50-150			WG728024
TPH (GC/FID) Low Fraction	mg/kg	0.568	0.661	57.0	50-100	15.1	20	WG727349
a,a,a-Trifluorotoluene(FID)				76.80	50-150			WG727349
PCB 1016	mg/kg	0.160	0.159	96.0	63.2-118	0.840	20	WG728030
PCB 1260	mg/kg	0.140	0.138	84.0	64.6-123	1.82	20.8	WG728030
Decachlorobiphenyl				71.80	10-145			WG728030
Tetrachloro-m-xylene				95.80	21.1-148			WG728030
Acenaphthene	mg/kg	0.406	0.387	102.	50.7-125	4.91	20	WG728071
Acenaphthylene	mg/kg	0.415	0.393	104.	51.3-126	5.30	20	WG728071
Anthracene	mg/kg	0.419	0.393	105.	50.5-130	6.33	20	WG728071
Benzo(a)anthracene	mg/kg	0.401	0.381	100.	54.1-127	5.14	20	WG728071
Benzo(a)pyrene	mg/kg	0.425	0.398	106.	54.8-127	6.54	20	WG728071
Benzo(b)fluoranthene	mg/kg	0.402	0.379	100.	56.1-125	5.96	20	WG728071
Benzo(g,h,i)perylene	mg/kg	0.438	0.417	109.	53.3-132	4.96	20	WG728071
Benzo(k)fluoranthene	mg/kg	0.404	0.379	101.	50.9-129	6.36	20	WG728071
Chrysene	mg/kg	0.412	0.390	103.	55.3-126	5.46	20	WG728071
Dibenz(a,h)anthracene	mg/kg	0.432	0.406	108.	52.3-133	6.23	20	WG728071
Fluoranthene	mg/kg	0.408	0.377	102.	50.1-135	7.99	20	WG728071
Fluorene	mg/kg	0.404	0.384	101.	52.3-125	5.08	20	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.442	0.410	110.	50.1-135	7.41	20	WG728071
Naphthalene	mg/kg	0.373	0.348	93.0	47.8-121	7.11	20	WG728071
Phenanthrene	mg/kg	0.401	0.380	100.	56-122	5.18	20	WG728071
Pyrene	mg/kg	0.467	0.448	117.	55.6-129	4.11	20	WG728071
2-Fluorobiphenyl				96.40	41.4-134			WG728071
Nitrobenzene-d5				89.90	28.3-148			WG728071
p-Terphenyl-d14				118.0	35.8-140			WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.600	0.630	60.0	50-100	4.83	20	WG728614
a,a,a-Trifluorotoluene(FID)				99.70	50-150			WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.588	0.578	59.0	50-100	1.60	20	WG728761
a,a,a-Trifluorotoluene(FID)				100.0	50-150			WG728761

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Extractable Petroleum Hydrocarbon	mg/kg	58.7	56.8	98.0	50-100	3.24	20	WG728630
o-Terphenyl				93.00	50-150			WG728630
Arsenic	mg/kg	248.	241.	104.	83.1-117	3.00	20	WG730928

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/kg	0.594	0.180	.5	83.0	80-120	L705224-01	WG727143
Mercury	mg/kg	0.398	0.0334	.5	73.0*	80-120	L705269-02	WG727205
1,1,1,2-Tetrachloroethane	mg/l	0.0294	0.0	.025	120.	64-128	L705328-01	WG727265
1,1,1-Trichloroethane	mg/l	0.0227	0.0	.025	91.0	58.7-134	L705328-01	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0262	0.0	.025	100.	56-132	L705328-01	WG727265
1,1,2-Trichloroethane	mg/l	0.0260	0.0	.025	100.	66.3-125	L705328-01	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0284	0.0	.025	110.	54.8-154	L705328-01	WG727265
1,1-Dichloroethane	mg/l	0.0229	0.0	.025	92.0	58.5-132	L705328-01	WG727265
1,1-Dichloroethene	mg/l	0.0298	0.0	.025	120.	51.1-140	L705328-01	WG727265
1,1-Dichloropropene	mg/l	0.0222	0.0	.025	89.0	57.3-136	L705328-01	WG727265
1,2,3-Trichlorobenzene	mg/l	0.0279	0.0	.025	110.	59.1-138	L705328-01	WG727265
1,2,3-Trichloropropane	mg/l	0.0269	0.0	.025	110.	61.4-128	L705328-01	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0205	0.000450	.025	80.0	61.3-122	L705328-01	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0279	0.0	.025	110.	63.6-143	L705328-01	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0268	0.0	.025	110.	57.4-137	L705328-01	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0280	0.0	.025	110.	57.3-136	L705328-01	WG727265
1,2-Dibromoethane	mg/l	0.0273	0.0	.025	110.	67.1-125	L705328-01	WG727265
1,2-Dichlorobenzene	mg/l	0.0251	0.0	.025	100.	68.2-123	L705328-01	WG727265
1,2-Dichloroethane	mg/l	0.0188	0.0	.025	75.0	60-126	L705328-01	WG727265
1,2-Dichloropropane	mg/l	0.0225	0.0	.025	90.0	64.2-123	L705328-01	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0276	0.0	.025	110.	63.6-132	L705328-01	WG727265
1,3-Dichlorobenzene	mg/l	0.0294	0.0	.025	120.	63.1-131	L705328-01	WG727265
1,3-Dichloropropane	mg/l	0.0244	0.0	.025	98.0	67.9-121	L705328-01	WG727265
1,4-Dichlorobenzene	mg/l	0.0245	0.0	.025	98.0	68.6-123	L705328-01	WG727265
2,2-Dichloropropane	mg/l	0.0241	0.0	.025	96.0	50.5-144	L705328-01	WG727265
2-Butanone (MEK)	mg/l	0.0940	0.0	.125	75.0	22.4-138	L705328-01	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0661	0.0	.125	53.0	10-155	L705328-01	WG727265
2-Chlorotoluene	mg/l	0.0294	0.0	.025	120.	63.6-128	L705328-01	WG727265
4-Chlorotoluene	mg/l	0.0250	0.0	.025	100.	65.7-127	L705328-01	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.126	0.0	.125	100.	60.8-140	L705328-01	WG727265
Acetone	mg/l	0.114	0.00284	.125	89.0	10-130	L705328-01	WG727265
Acrolein	mg/l	0.0870	0.0	.125	70.0	10-200	L705328-01	WG727265
Acrylonitrile	mg/l	0.114	0.0	.125	91.0	49.4-133	L705328-01	WG727265
Benzene	mg/l	0.0378	0.0199	.025	71.0	54.3-133	L705328-01	WG727265
Bromobenzene	mg/l	0.0238	0.0	.025	95.0	63.9-124	L705328-01	WG727265
Bromodichloromethane	mg/l	0.0223	0.0	.025	89.0	63.9-121	L705328-01	WG727265
Bromoform	mg/l	0.0318	0.0	.025	130.	59.5-134	L705328-01	WG727265
Bromomethane	mg/l	0.0305	0.0	.025	120.	41.7-155	L705328-01	WG727265
Carbon tetrachloride	mg/l	0.0232	0.0	.025	93.0	55.7-134	L705328-01	WG727265
Chlorobenzene	mg/l	0.0276	0.0	.025	110.	67-125	L705328-01	WG727265
Chlorodibromomethane	mg/l	0.0281	0.0	.025	110.	64.3-125	L705328-01	WG727265
Chloroethane	mg/l	0.0290	0.0	.025	120.	51.5-136	L705328-01	WG727265
Chloroform	mg/l	0.0201	0.0	.025	81.0	63-129	L705328-01	WG727265
Chloromethane	mg/l	0.0258	0.0	.025	100.	42.4-135	L705328-01	WG727265
cis-1,2-Dichloroethene	mg/l	0.0230	0.0	.025	92.0	59.2-129	L705328-01	WG727265
cis-1,3-Dichloropropene	mg/l	0.0254	0.0	.025	100.	66.4-125	L705328-01	WG727265

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Di-isopropyl ether	mg/l	0.0241	0.0	.025	96.0	56.9-136	L705328-01	WG727265
Dibromomethane	mg/l	0.0232	0.0	.025	93.0	68.2-124	L705328-01	WG727265
Dichlorodifluoromethane	mg/l	0.0236	0.0	.025	94.0	40.6-144	L705328-01	WG727265
Ethylbenzene	mg/l	0.0287	0.000428	.025	110.	61.4-133	L705328-01	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0276	0.0	.025	110.	55.1-136	L705328-01	WG727265
Isopropylbenzene	mg/l	0.0309	0.0	.025	120.	66.8-141	L705328-01	WG727265
Methyl tert-butyl ether	mg/l	0.0299	0.00735	.025	90.0	57.7-134	L705328-01	WG727265
Methylene Chloride	mg/l	0.0240	0.0	.025	96.0	58.1-122	L705328-01	WG727265
n-Butylbenzene	mg/l	0.0235	0.0	.025	94.0	62.7-140	L705328-01	WG727265
n-Propylbenzene	mg/l	0.0270	0.0	.025	110.	65.9-131	L705328-01	WG727265
Naphthalene	mg/l	0.0268	0.0	.025	110.	58-135	L705328-01	WG727265
p-Isopropyltoluene	mg/l	0.0303	0.0	.025	120.	63.2-139	L705328-01	WG727265
sec-Butylbenzene	mg/l	0.0290	0.0	.025	120.	62.2-136	L705328-01	WG727265
Styrene	mg/l	0.0285	0.0	.025	110.	66.8-133	L705328-01	WG727265
tert-Butylbenzene	mg/l	0.0286	0.0	.025	120.	63.3-134	L705328-01	WG727265
Tetrachloroethene	mg/l	0.0320	0.0	.025	130.	53-139	L705328-01	WG727265
Toluene	mg/l	0.0243	0.0	.025	97.0	61.4-130	L705328-01	WG727265
trans-1,2-Dichloroethene	mg/l	0.0254	0.0	.025	100.	56.5-129	L705328-01	WG727265
trans-1,3-Dichloropropene	mg/l	0.0273	0.0	.025	110.	64.1-128	L705328-01	WG727265
Trichloroethene	mg/l	0.0262	0.0	.025	100.	44.1-149	L705328-01	WG727265
Trichlorofluoromethane	mg/l	0.0308	0.0	.025	120.	49.6-145	L705328-01	WG727265
Vinyl chloride	mg/l	0.0270	0.0	.025	110.	47.8-137	L705328-01	WG727265
Xylenes, Total	mg/l	0.0837	0.000450	.075	110.	63.3-131	L705328-01	WG727265
4-Bromofluorobenzene					93.70	71-126		WG727265
Dibromofluoromethane					87.30	78.3-121		WG727265
Toluene-d8					96.60	88.5-111		WG727265
1,1,1,2-Tetrachloroethane	mg/kg	0.0227	0.0	.025	91.0	64-128	L705269-07	WG727286
1,1,1-Trichloroethane	mg/kg	0.0236	0.0	.025	94.0	58.7-134	L705269-07	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0351	0.0	.025	140.*	56-132	L705269-07	WG727286
1,1,2-Trichloroethane	mg/kg	0.0231	0.0	.025	92.0	66.3-125	L705269-07	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0246	0.0	.025	98.0	54.8-154	L705269-07	WG727286
1,1-Dichloroethane	mg/kg	0.0233	0.0	.025	93.0	58.5-132	L705269-07	WG727286
1,1-Dichloroethene	mg/kg	0.0225	0.0	.025	90.0	51.1-140	L705269-07	WG727286
1,1-Dichloropropene	mg/kg	0.0229	0.0	.025	92.0	57.3-136	L705269-07	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0222	0.0	.025	89.0	59.1-138	L705269-07	WG727286
1,2,3-Trichloropropane	mg/kg	0.0255	0.0	.025	100.	61.4-128	L705269-07	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0235	0.0	.025	94.0	61.3-122	L705269-07	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0212	0.0	.025	85.0	63.6-143	L705269-07	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0212	0.0	.025	85.0	57.4-137	L705269-07	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0218	0.0	.025	87.0	57.3-136	L705269-07	WG727286
1,2-Dibromoethane	mg/kg	0.0216	0.0	.025	86.0	67.1-125	L705269-07	WG727286
1,2-Dichlorobenzene	mg/kg	0.0231	0.0	.025	92.0	68.2-123	L705269-07	WG727286
1,2-Dichloroethane	mg/kg	0.0234	0.0	.025	94.0	60-126	L705269-07	WG727286
1,2-Dichloropropane	mg/kg	0.0230	0.0	.025	92.0	64.2-123	L705269-07	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0228	0.0	.025	91.0	63.6-132	L705269-07	WG727286
1,3-Dichlorobenzene	mg/kg	0.0216	0.0	.025	86.0	63.1-131	L705269-07	WG727286
1,3-Dichloropropane	mg/kg	0.0217	0.0	.025	87.0	67.9-121	L705269-07	WG727286
1,4-Dichlorobenzene	mg/kg	0.0216	0.0	.025	86.0	68.6-123	L705269-07	WG727286
2,2-Dichloropropane	mg/kg	0.0245	0.0	.025	98.0	50.5-144	L705269-07	WG727286
2-Butanone (MEK)	mg/kg	0.113	0.0	.125	90.0	22.4-138	L705269-07	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.115	0.0	.125	92.0	10-155	L705269-07	WG727286
2-Chlorotoluene	mg/kg	0.0232	0.0	.025	93.0	63.6-128	L705269-07	WG727286
4-Chlorotoluene	mg/kg	0.0215	0.0	.025	86.0	65.7-127	L705269-07	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.121	0.0	.125	97.0	60.8-140	L705269-07	WG727286
Acetone	mg/kg	0.110	0.00371	.125	85.0	10-130	L705269-07	WG727286
Acrylonitrile	mg/kg	0.123	0.0	.125	98.0	49.4-133	L705269-07	WG727286
Benzene	mg/kg	0.0217	0.0	.025	87.0	54.3-133	L705269-07	WG727286

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromobenzene	mg/kg	0.0208	0.0	.025	83.0	63.9-124	L705269-07	WG727286
Bromodichloromethane	mg/kg	0.0233	0.0	.025	93.0	63.9-121	L705269-07	WG727286
Bromoform	mg/kg	0.0222	0.0	.025	89.0	59.5-134	L705269-07	WG727286
Bromomethane	mg/kg	0.0216	0.0	.025	86.0	41.7-155	L705269-07	WG727286
Carbon tetrachloride	mg/kg	0.0242	0.0	.025	97.0	55.7-134	L705269-07	WG727286
Chlorobenzene	mg/kg	0.0221	0.0	.025	88.0	67-125	L705269-07	WG727286
Chlorodibromomethane	mg/kg	0.0231	0.0	.025	92.0	64.3-125	L705269-07	WG727286
Chloroethane	mg/kg	0.0217	0.0	.025	87.0	51.5-136	L705269-07	WG727286
Chloroform	mg/kg	0.0224	0.0	.025	90.0	63-129	L705269-07	WG727286
Chloromethane	mg/kg	0.0214	0.0	.025	86.0	42.4-135	L705269-07	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0258	0.00314	.025	91.0	59.2-129	L705269-07	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0237	0.0	.025	95.0	66.4-125	L705269-07	WG727286
Di-isopropyl ether	mg/kg	0.0236	0.0	.025	94.0	56.9-136	L705269-07	WG727286
Dibromomethane	mg/kg	0.0239	0.0	.025	96.0	68.2-124	L705269-07	WG727286
Dichlorodifluoromethane	mg/kg	0.0242	0.0	.025	97.0	40.6-144	L705269-07	WG727286
Ethylbenzene	mg/kg	0.0210	0.0	.025	84.0	61.4-133	L705269-07	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0235	0.0	.025	94.0	55.1-136	L705269-07	WG727286
Isopropylbenzene	mg/kg	0.0233	0.0	.025	93.0	66.8-141	L705269-07	WG727286
Methyl tert-butyl ether	mg/kg	0.0237	0.0	.025	95.0	57.7-134	L705269-07	WG727286
Methylene Chloride	mg/kg	0.0212	0.0	.025	85.0	58.1-122	L705269-07	WG727286
n-Butylbenzene	mg/kg	0.0246	0.0	.025	98.0	62.7-140	L705269-07	WG727286
n-Propylbenzene	mg/kg	0.0232	0.0	.025	93.0	10-176	L705269-07	WG727286
Naphthalene	mg/kg	0.0223	0.0	.025	89.0	58-135	L705269-07	WG727286
p-Isopropyltoluene	mg/kg	0.0226	0.0	.025	90.0	63.2-139	L705269-07	WG727286
sec-Butylbenzene	mg/kg	0.0243	0.0	.025	97.0	62.2-136	L705269-07	WG727286
Styrene	mg/kg	0.0221	0.0	.025	88.0	66.8-133	L705269-07	WG727286
tert-Butylbenzene	mg/kg	0.0245	0.000369	.025	97.0	63.3-134	L705269-07	WG727286
Tetrachloroethene	mg/kg	0.0365	0.0138	.025	91.0	53-139	L705269-07	WG727286
Toluene	mg/kg	0.0222	0.0	.025	89.0	61.4-130	L705269-07	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0225	0.0	.025	90.0	56.5-129	L705269-07	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0225	0.0	.025	90.0	64.1-128	L705269-07	WG727286
Trichloroethene	mg/kg	0.0259	0.00293	.025	92.0	44.1-149	L705269-07	WG727286
Trichlorofluoromethane	mg/kg	0.0238	0.0	.025	95.0	49.6-145	L705269-07	WG727286
Vinyl chloride	mg/kg	0.0219	0.0	.025	88.0	47.8-137	L705269-07	WG727286
Xylenes, Total	mg/kg	0.0643	0.0	.075	86.0	63.3-131	L705269-07	WG727286
4-Bromofluorobenzene					108.0	71-126		WG727286
Dibromofluoromethane					101.0	78.3-121		WG727286
Toluene-d8					102.0	88.5-111		WG727286
Acenaphthene	mg/kg	0.302	0.0	.4	76.0	48.3-126	L705269-07	WG727502
Acenaphthylene	mg/kg	0.287	0.0	.4	72.0	48.7-128	L705269-07	WG727502
Anthracene	mg/kg	0.326	0.0	.4	82.0	41-133	L705269-07	WG727502
Benzo(a)anthracene	mg/kg	0.308	0.0	.4	77.0	31.6-136	L705269-07	WG727502
Benzo(a)pyrene	mg/kg	0.311	0.0	.4	78.0	28-137	L705269-07	WG727502
Benzo(b)fluoranthene	mg/kg	0.301	0.0	.4	75.0	24-134	L705269-07	WG727502
Benzo(g,h,i)perylene	mg/kg	0.316	0.0	.4	79.0	19.1-139	L705269-07	WG727502
Benzo(k)fluoranthene	mg/kg	0.322	0.0	.4	80.0	30.4-134	L705269-07	WG727502
Chrysene	mg/kg	0.322	0.0	.4	80.0	32.4-137	L705269-07	WG727502
Dibenz(a,h)anthracene	mg/kg	0.334	0.0	.4	83.0	30.3-135	L705269-07	WG727502
Fluoranthene	mg/kg	0.285	0.0	.4	71.0	32.8-139	L705269-07	WG727502
Fluorene	mg/kg	0.284	0.0	.4	71.0	43-129	L705269-07	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.315	0.0	.4	79.0	22.3-139	L705269-07	WG727502
Naphthalene	mg/kg	0.315	0.00864	.4	76.0	38.1-135	L705269-07	WG727502
Phenanthrene	mg/kg	0.319	0.0	.4	80.0	36.2-134	L705269-07	WG727502
Pyrene	mg/kg	0.331	0.0	.4	83.0	30.3-144	L705269-07	WG727502
2-Fluorobiphenyl					73.80	41.4-134		WG727502
Nitrobenzene-d5					83.40	28.3-148		WG727502
p-Terphenyl-d14					87.50	35.8-140		WG727502

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Arsenic	mg/kg	42.7	4.94	50	75.0	75-125	L705269-07	WG727624
Barium	mg/kg	121.	83.4	50	75.0	75-125	L705269-07	WG727624
Cadmium	mg/kg	37.3	0.484	50	74.0*	75-125	L705269-07	WG727624
Chromium	mg/kg	59.4	21.9	50	75.0	75-125	L705269-07	WG727624
Lead	mg/kg	63.6	34.3	50	59.0*	75-125	L705269-07	WG727624
Selenium	mg/kg	44.0	6.78	50	74.0*	75-125	L705269-07	WG727624
Silver	mg/kg	37.7	-0.766	50	75.0	75-125	L705269-07	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.115	0.0	.025	92.0	64-128	L705745-04	WG727846
1,1,1-Trichloroethane	mg/kg	0.105	0.0	.025	84.0	58.7-134	L705745-04	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.139	0.0	.025	110.	56-132	L705745-04	WG727846
1,1,2-Trichloroethane	mg/kg	0.121	0.0	.025	96.0	66.3-125	L705745-04	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0976	0.0	.025	78.0	54.8-154	L705745-04	WG727846
1,1-Dichloroethane	mg/kg	0.106	0.0	.025	84.0	58.5-132	L705745-04	WG727846
1,1-Dichloroethene	mg/kg	0.0886	0.0	.025	71.0	51.1-140	L705745-04	WG727846
1,1-Dichloropropene	mg/kg	0.0994	0.0	.025	80.0	57.3-136	L705745-04	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.120	0.00154	.025	95.0	59.1-138	L705745-04	WG727846
1,2,3-Trichloropropane	mg/kg	0.138	0.0	.025	110.	61.4-128	L705745-04	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.112	0.000560	.025	89.0	61.3-122	L705745-04	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.111	0.00119	.025	87.0	63.6-143	L705745-04	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.114	0.000696	.025	90.0	57.4-137	L705745-04	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.144	0.0	.025	120.	57.3-136	L705745-04	WG727846
1,2-Dibromoethane	mg/kg	0.118	0.0	.025	94.0	67.1-125	L705745-04	WG727846
1,2-Dichlorobenzene	mg/kg	0.119	0.0	.025	95.0	68.2-123	L705745-04	WG727846
1,2-Dichloroethane	mg/kg	0.104	0.0	.025	83.0	60-126	L705745-04	WG727846
1,2-Dichloropropane	mg/kg	0.103	0.0	.025	82.0	64.2-123	L705745-04	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.113	0.000353	.025	90.0	63.6-132	L705745-04	WG727846
1,3-Dichlorobenzene	mg/kg	0.114	0.0	.025	91.0	63.1-131	L705745-04	WG727846
1,3-Dichloropropane	mg/kg	0.113	0.0	.025	90.0	67.9-121	L705745-04	WG727846
1,4-Dichlorobenzene	mg/kg	0.107	0.0	.025	86.0	68.6-123	L705745-04	WG727846
2,2-Dichloropropane	mg/kg	0.0931	0.0	.025	74.0	50.5-144	L705745-04	WG727846
2-Butanone (MEK)	mg/kg	0.552	0.0	.125	88.0	22.4-138	L705745-04	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.549	0.0	.125	88.0	10-155	L705745-04	WG727846
2-Chlorotoluene	mg/kg	0.0977	0.0	.025	78.0	63.6-128	L705745-04	WG727846
4-Chlorotoluene	mg/kg	0.111	0.0	.025	88.0	65.7-127	L705745-04	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.652	0.0	.125	100.	60.8-140	L705745-04	WG727846
Acetone	mg/kg	0.535	0.0132	.125	83.0	10-130	L705745-04	WG727846
Acrylonitrile	mg/kg	0.584	0.0	.125	94.0	49.4-133	L705745-04	WG727846
Benzene	mg/kg	0.103	0.0	.025	82.0	54.3-133	L705745-04	WG727846
Bromobenzene	mg/kg	0.110	0.0	.025	88.0	63.9-124	L705745-04	WG727846
Bromodichloromethane	mg/kg	0.111	0.0	.025	89.0	63.9-121	L705745-04	WG727846
Bromoform	mg/kg	0.130	0.0	.025	100.	59.5-134	L705745-04	WG727846
Bromomethane	mg/kg	0.0935	0.0	.025	75.0	41.7-155	L705745-04	WG727846
Carbon tetrachloride	mg/kg	0.111	0.0	.025	89.0	55.7-134	L705745-04	WG727846
Chlorobenzene	mg/kg	0.111	0.0	.025	89.0	67-125	L705745-04	WG727846
Chlorodibromomethane	mg/kg	0.120	0.0	.025	96.0	64.3-125	L705745-04	WG727846
Chloroethane	mg/kg	0.0879	0.0	.025	70.0	51.5-136	L705745-04	WG727846
Chloroform	mg/kg	0.110	0.0	.025	88.0	63-129	L705745-04	WG727846
Chloromethane	mg/kg	0.0816	0.0	.025	65.0	42.4-135	L705745-04	WG727846
cis-1,2-Dichloroethene	mg/kg	0.109	0.0	.025	88.0	59.2-129	L705745-04	WG727846
cis-1,3-Dichloropropene	mg/kg	0.113	0.0	.025	90.0	66.4-125	L705745-04	WG727846
Di-isopropyl ether	mg/kg	0.101	0.0	.025	81.0	56.9-136	L705745-04	WG727846
Dibromomethane	mg/kg	0.117	0.0	.025	93.0	68.2-124	L705745-04	WG727846
Dichlorodifluoromethane	mg/kg	0.0919	0.0	.025	74.0	40.6-144	L705745-04	WG727846
Ethylbenzene	mg/kg	0.111	0.0	.025	89.0	61.4-133	L705745-04	WG727846
Hexachloro-1,3-butadiene	mg/kg	0.0985	0.0	.025	79.0	55.1-136	L705745-04	WG727846
Isopropylbenzene	mg/kg	0.112	0.0	.025	90.0	66.8-141	L705745-04	WG727846
Methyl tert-butyl ether	mg/kg	0.109	0.0	.025	88.0	57.7-134	L705745-04	WG727846

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July 15, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Methylene Chloride	mg/kg	0.106	0.000521	.025	84.0	58.1-122	L705745-04	WG727846
n-Butylbenzene	mg/kg	0.104	0.000367	.025	83.0	62.7-140	L705745-04	WG727846
n-Propylbenzene	mg/kg	0.108	0.0	.025	86.0	10-176	L705745-04	WG727846
Naphthalene	mg/kg	0.130	0.00291	.025	100.	58-135	L705745-04	WG727846
p-Isopropyltoluene	mg/kg	0.111	0.000342	.025	88.0	63.2-139	L705745-04	WG727846
sec-Butylbenzene	mg/kg	0.114	0.000356	.025	91.0	62.2-136	L705745-04	WG727846
Styrene	mg/kg	0.111	0.0	.025	89.0	66.8-133	L705745-04	WG727846
tert-Butylbenzene	mg/kg	0.116	0.0	.025	93.0	63.3-134	L705745-04	WG727846
Tetrachloroethene	mg/kg	0.0965	0.0	.025	77.0	53-139	L705745-04	WG727846
Toluene	mg/kg	0.103	0.000321	.025	82.0	61.4-130	L705745-04	WG727846
trans-1,2-Dichloroethene	mg/kg	0.101	0.0	.025	81.0	56.5-129	L705745-04	WG727846
trans-1,3-Dichloropropene	mg/kg	0.116	0.0	.025	93.0	64.1-128	L705745-04	WG727846
Trichloroethene	mg/kg	0.104	0.0	.025	83.0	44.1-149	L705745-04	WG727846
Trichlorofluoromethane	mg/kg	0.101	0.0	.025	81.0	49.6-145	L705745-04	WG727846
Vinyl chloride	mg/kg	0.0830	0.0	.025	66.0	47.8-137	L705745-04	WG727846
Xylenes, Total	mg/kg	0.326	0.000670	.075	87.0	63.3-131	L705745-04	WG727846
4-Bromofluorobenzene					97.10	71-126		WG727846
Dibromofluoromethane					100.0	78.3-121		WG727846
Toluene-d8					98.40	88.5-111		WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0870	0.0	.025	70.0	64-128	L705715-03	WG727960
1,1,1-Trichloroethane	mg/kg	0.121	0.0	.025	97.0	58.7-134	L705715-03	WG727960
1,1,2,2-Tetrachloroethane	mg/kg	0.101	0.0	.025	81.0	56-132	L705715-03	WG727960
1,1,2-Trichloroethane	mg/kg	0.110	0.0	.025	88.0	66.3-125	L705715-03	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.101	0.0	.025	81.0	54.8-154	L705715-03	WG727960
1,1-Dichloroethane	mg/kg	0.141	0.0	.025	110.	58.5-132	L705715-03	WG727960
1,1-Dichloroethene	mg/kg	0.138	0.0	.025	110.	51.1-140	L705715-03	WG727960
1,1-Dichloropropene	mg/kg	0.102	0.0	.025	82.0	57.3-136	L705715-03	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0403	0.0	.025	32.0*	59.1-138	L705715-03	WG727960
1,2,3-Trichloropropane	mg/kg	0.0991	0.0	.025	79.0	61.4-128	L705715-03	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0531	0.000312	.025	42.0*	61.3-122	L705715-03	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0396	0.0	.025	32.0*	63.6-143	L705715-03	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0446	0.0	.025	36.0*	57.4-137	L705715-03	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0973	0.0	.025	78.0	57.3-136	L705715-03	WG727960
1,2-Dibromoethane	mg/kg	0.0982	0.0	.025	79.0	67.1-125	L705715-03	WG727960
1,2-Dichlorobenzene	mg/kg	0.0601	0.0	.025	48.0*	68.2-123	L705715-03	WG727960
1,2-Dichloroethane	mg/kg	0.129	0.0	.025	100.	60-126	L705715-03	WG727960
1,2-Dichloropropane	mg/kg	0.124	0.0	.025	99.0	64.2-123	L705715-03	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0476	0.0	.025	38.0*	63.6-132	L705715-03	WG727960
1,3-Dichlorobenzene	mg/kg	0.0517	0.0	.025	41.0*	63.1-131	L705715-03	WG727960
1,3-Dichloropropane	mg/kg	0.100	0.0	.025	80.0	67.9-121	L705715-03	WG727960
1,4-Dichlorobenzene	mg/kg	0.0532	0.0	.025	43.0*	68.6-123	L705715-03	WG727960
2,2-Dichloropropane	mg/kg	0.140	0.0	.025	110.	50.5-144	L705715-03	WG727960
2-Butanone (MEK)	mg/kg	0.568	0.0	.125	91.0	22.4-138	L705715-03	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.549	0.0	.125	88.0	10-155	L705715-03	WG727960
2-Chlorotoluene	mg/kg	0.0625	0.0	.025	50.0*	63.6-128	L705715-03	WG727960
4-Chlorotoluene	mg/kg	0.0572	0.0	.025	46.0*	65.7-127	L705715-03	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.557	0.0	.125	89.0	60.8-140	L705715-03	WG727960
Acetone	mg/kg	0.587	0.00652	.125	93.0	10-130	L705715-03	WG727960
Acrylonitrile	mg/kg	0.669	0.0	.125	110.	49.4-133	L705715-03	WG727960
Benzene	mg/kg	0.118	0.0	.025	95.0	54.3-133	L705715-03	WG727960
Bromobenzene	mg/kg	0.0649	0.0	.025	52.0*	63.9-124	L705715-03	WG727960
Bromodichloromethane	mg/kg	0.112	0.0	.025	90.0	63.9-121	L705715-03	WG727960
Bromoform	mg/kg	0.0905	0.0	.025	72.0	59.5-134	L705715-03	WG727960
Bromomethane	mg/kg	0.125	0.0	.025	100.	41.7-155	L705715-03	WG727960
Carbon tetrachloride	mg/kg	0.110	0.0	.025	88.0	55.7-134	L705715-03	WG727960
Chlorobenzene	mg/kg	0.0793	0.0	.025	64.0*	67-125	L705715-03	WG727960
Chlorodibromomethane	mg/kg	0.100	0.0	.025	80.0	64.3-125	L705715-03	WG727960

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloroethane	mg/kg	0.129	0.0	.025	100.	51.5-136	L705715-03	WG727960
Chloroform	mg/kg	0.127	0.0	.025	100.	63-129	L705715-03	WG727960
Chloromethane	mg/kg	0.138	0.0	.025	110.	42.4-135	L705715-03	WG727960
cis-1,2-Dichloroethene	mg/kg	0.126	0.0	.025	100.	59.2-129	L705715-03	WG727960
cis-1,3-Dichloropropene	mg/kg	0.108	0.0	.025	86.0	66.4-125	L705715-03	WG727960
Di-isopropyl ether	mg/kg	0.138	0.0	.025	110.	56.9-136	L705715-03	WG727960
Dibromomethane	mg/kg	0.120	0.0	.025	96.0	68.2-124	L705715-03	WG727960
Dichlorodifluoromethane	mg/kg	0.144	0.0	.025	120.	40.6-144	L705715-03	WG727960
Ethylbenzene	mg/kg	0.0629	0.0	.025	50.0*	61.4-133	L705715-03	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0229	0.0	.025	18.0*	55.1-136	L705715-03	WG727960
Isopropylbenzene	mg/kg	0.0541	0.0	.025	43.0*	66.8-141	L705715-03	WG727960
Methyl tert-butyl ether	mg/kg	0.129	0.0	.025	100.	57.7-134	L705715-03	WG727960
Methylene Chloride	mg/kg	0.127	0.00101	.025	100.	58.1-122	L705715-03	WG727960
n-Butylbenzene	mg/kg	0.0406	0.0	.025	32.0*	62.7-140	L705715-03	WG727960
n-Propylbenzene	mg/kg	0.0496	0.0	.025	40.0	10-176	L705715-03	WG727960
Naphthalene	mg/kg	0.0515	0.00187	.025	40.0*	58-135	L705715-03	WG727960
p-Isopropyltoluene	mg/kg	0.0395	0.0	.025	32.0*	63.2-139	L705715-03	WG727960
sec-Butylbenzene	mg/kg	0.0394	0.0	.025	32.0*	62.2-136	L705715-03	WG727960
Styrene	mg/kg	0.0719	0.0	.025	58.0*	66.8-133	L705715-03	WG727960
tert-Butylbenzene	mg/kg	0.0455	0.0	.025	36.0*	63.3-134	L705715-03	WG727960
Tetrachloroethene	mg/kg	0.0676	0.0	.025	54.0	53-139	L705715-03	WG727960
Toluene	mg/kg	0.0911	0.0	.025	73.0	61.4-130	L705715-03	WG727960
trans-1,2-Dichloroethene	mg/kg	0.129	0.0	.025	100.	56.5-129	L705715-03	WG727960
trans-1,3-Dichloropropene	mg/kg	0.100	0.0	.025	80.0	64.1-128	L705715-03	WG727960
Trichloroethene	mg/kg	0.0996	0.0	.025	80.0	44.1-149	L705715-03	WG727960
Trichlorofluoromethane	mg/kg	0.121	0.0	.025	97.0	49.6-145	L705715-03	WG727960
Vinyl chloride	mg/kg	0.136	0.0	.025	110.	47.8-137	L705715-03	WG727960
Xylenes, Total	mg/kg	0.191	0.0	.075	51.0*	63.3-131	L705715-03	WG727960
4-Bromofluorobenzene					93.00	71-126		WG727960
Dibromofluoromethane					103.0	78.3-121		WG727960
Toluene-d8					100.0	88.5-111		WG727960
1,1,1,2-Tetrachloroethane	mg/kg	0.121	0.0	.025	96.0	64-128	L705309-01	WG727287
1,1,1-Trichloroethane	mg/kg	0.118	0.0	.025	95.0	58.7-134	L705309-01	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.129	0.0	.025	100.	56-132	L705309-01	WG727287
1,1,2-Trichloroethane	mg/kg	0.119	0.0	.025	95.0	66.3-125	L705309-01	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.113	0.0	.025	90.0	54.8-154	L705309-01	WG727287
1,1-Dichloroethane	mg/kg	0.114	0.0	.025	91.0	58.5-132	L705309-01	WG727287
1,1-Dichloroethene	mg/kg	0.127	0.0	.025	100.	51.1-140	L705309-01	WG727287
1,1-Dichloropropene	mg/kg	0.110	0.0	.025	88.0	57.3-136	L705309-01	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0666	0.0	.025	53.0*	59.1-138	L705309-01	WG727287
1,2,3-Trichloropropane	mg/kg	0.132	0.0	.025	100.	61.4-128	L705309-01	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0980	0.0	.025	78.0	61.3-122	L705309-01	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0665	0.0	.025	53.0*	63.6-143	L705309-01	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.106	0.0	.025	85.0	57.4-137	L705309-01	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.109	0.0	.025	87.0	57.3-136	L705309-01	WG727287
1,2-Dibromoethane	mg/kg	0.129	0.0	.025	100.	67.1-125	L705309-01	WG727287
1,2-Dichlorobenzene	mg/kg	0.0934	0.0	.025	75.0	68.2-123	L705309-01	WG727287
1,2-Dichloroethane	mg/kg	0.117	0.0	.025	94.0	60-126	L705309-01	WG727287
1,2-Dichloropropane	mg/kg	0.122	0.0	.025	98.0	64.2-123	L705309-01	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.107	0.0	.025	86.0	63.6-132	L705309-01	WG727287
1,3-Dichlorobenzene	mg/kg	0.103	0.0	.025	83.0	63.1-131	L705309-01	WG727287
1,3-Dichloropropane	mg/kg	0.120	0.0	.025	96.0	67.9-121	L705309-01	WG727287
1,4-Dichlorobenzene	mg/kg	0.0960	0.0	.025	77.0	68.6-123	L705309-01	WG727287
2,2-Dichloropropane	mg/kg	0.117	0.0	.025	94.0	50.5-144	L705309-01	WG727287
2-Butanone (MEK)	mg/kg	0.650	0.0	.125	100.	22.4-138	L705309-01	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.635	0.0	.125	100.	10-155	L705309-01	WG727287
2-Chlorotoluene	mg/kg	0.109	0.0	.025	87.0	63.6-128	L705309-01	WG727287

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Est. 1970

S&ME Inc. - Knoxville
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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Chlorotoluene	mg/kg	0.105	0.0	.025	84.0	65.7-127	L705309-01	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.729	0.0	.125	120.	60.8-140	L705309-01	WG727287
Acetone	mg/kg	0.581	0.0586	.125	84.0	10-130	L705309-01	WG727287
Acrylonitrile	mg/kg	0.563	0.0	.125	90.0	49.4-133	L705309-01	WG727287
Benzene	mg/kg	0.107	0.0	.025	86.0	54.3-133	L705309-01	WG727287
Bromobenzene	mg/kg	0.109	0.0	.025	87.0	63.9-124	L705309-01	WG727287
Bromodichloromethane	mg/kg	0.116	0.0	.025	93.0	63.9-121	L705309-01	WG727287
Bromoform	mg/kg	0.132	0.0	.025	110.	59.5-134	L705309-01	WG727287
Bromomethane	mg/kg	0.143	0.0	.025	110.	41.7-155	L705309-01	WG727287
Carbon tetrachloride	mg/kg	0.114	0.0	.025	91.0	55.7-134	L705309-01	WG727287
Chlorobenzene	mg/kg	0.119	0.0	.025	95.0	67-125	L705309-01	WG727287
Chlorodibromomethane	mg/kg	0.124	0.0	.025	99.0	64.3-125	L705309-01	WG727287
Chloroethane	mg/kg	0.134	0.0	.025	110.	51.5-136	L705309-01	WG727287
Chloroform	mg/kg	0.111	0.0	.025	89.0	63-129	L705309-01	WG727287
Chloromethane	mg/kg	0.0955	0.0	.025	76.0	42.4-135	L705309-01	WG727287
cis-1,2-Dichloroethene	mg/kg	0.109	0.0	.025	87.0	59.2-129	L705309-01	WG727287
cis-1,3-Dichloropropene	mg/kg	0.120	0.0	.025	96.0	66.4-125	L705309-01	WG727287
Di-isopropyl ether	mg/kg	0.116	0.0	.025	93.0	56.9-136	L705309-01	WG727287
Dibromomethane	mg/kg	0.121	0.0	.025	97.0	68.2-124	L705309-01	WG727287
Dichlorodifluoromethane	mg/kg	0.109	0.0	.025	87.0	40.6-144	L705309-01	WG727287
Ethylbenzene	mg/kg	0.120	0.0	.025	96.0	61.4-133	L705309-01	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0530	0.0	.025	42.0*	55.1-136	L705309-01	WG727287
Isopropylbenzene	mg/kg	0.114	0.0	.025	91.0	66.8-141	L705309-01	WG727287
Methyl tert-butyl ether	mg/kg	0.118	0.0	.025	94.0	57.7-134	L705309-01	WG727287
Methylene Chloride	mg/kg	0.102	0.00102	.025	81.0	58.1-122	L705309-01	WG727287
n-Butylbenzene	mg/kg	0.0753	0.0	.025	60.0*	62.7-140	L705309-01	WG727287
n-Propylbenzene	mg/kg	0.104	0.0	.025	83.0	10-176	L705309-01	WG727287
Naphthalene	mg/kg	0.0794	0.000545	.025	63.0	58-135	L705309-01	WG727287
p-Isopropyltoluene	mg/kg	0.0995	0.0	.025	80.0	63.2-139	L705309-01	WG727287
sec-Butylbenzene	mg/kg	0.0984	0.0	.025	79.0	62.2-136	L705309-01	WG727287
Styrene	mg/kg	0.121	0.0	.025	96.0	66.8-133	L705309-01	WG727287
tert-Butylbenzene	mg/kg	0.109	0.0	.025	87.0	63.3-134	L705309-01	WG727287
Tetrachloroethene	mg/kg	0.114	0.0	.025	92.0	53-139	L705309-01	WG727287
Toluene	mg/kg	0.115	0.0	.025	92.0	61.4-130	L705309-01	WG727287
trans-1,2-Dichloroethene	mg/kg	0.108	0.0	.025	86.0	56.5-129	L705309-01	WG727287
trans-1,3-Dichloropropene	mg/kg	0.131	0.0	.025	100.	64.1-128	L705309-01	WG727287
Trichloroethene	mg/kg	0.115	0.0	.025	92.0	44.1-149	L705309-01	WG727287
Trichlorofluoromethane	mg/kg	0.138	0.0	.025	110.	49.6-145	L705309-01	WG727287
Vinyl chloride	mg/kg	0.100	0.0	.025	80.0	47.8-137	L705309-01	WG727287
Xylenes, Total	mg/kg	0.353	0.0	.075	94.0	63.3-131	L705309-01	WG727287
4-Bromofluorobenzene					97.80	71-126		WG727287
Dibromofluoromethane					95.40	78.3-121		WG727287
Toluene-d8					101.0	88.5-111		WG727287
Arsenic	mg/kg	54.2	9.29	50	90.0	75-125	L705269-16	WG727715
Barium	mg/kg	140.	101.	50	78.0	75-125	L705269-16	WG727715
Cadmium	mg/kg	50.0	0.609	50	99.0	75-125	L705269-16	WG727715
Chromium	mg/kg	66.2	19.8	50	93.0	75-125	L705269-16	WG727715
Lead	mg/kg	151.	71.9	50	160.*	75-125	L705269-16	WG727715
Selenium	mg/kg	37.7	-1.90	50	75.0	75-125	L705269-16	WG727715
Silver	mg/kg	45.9	0.666	50	91.0	75-125	L705269-16	WG727715
PCB 1016	mg/kg	0.130	0.0	.167	78.0	23.5-134	L705269-07	WG727931
PCB 1260	mg/kg	0.124	0.0	.167	74.0	16.1-139	L705269-07	WG727931
Decachlorobiphenyl					87.60	10-145		WG727931
Tetrachloro-m-xylene					109.0	21.1-148		WG727931

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Lead	mg/kg	57.2	7.35	10	100.	75-125	L705269-04	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	44.1	0.0	60	74.0	50-100	L705269-07	WG727821
o-Terphenyl					71.70	50-150		WG727821
1,1,1,2-Tetrachloroethane	mg/kg	0.119	0.0	.025	95.0	64-128	L706124-09	WG728250
1,1,1-Trichloroethane	mg/kg	0.117	0.0	.025	94.0	58.7-134	L706124-09	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.115	0.0	.025	92.0	56-132	L706124-09	WG728250
1,1,2-Trichloroethane	mg/kg	0.123	0.0	.025	98.0	66.3-125	L706124-09	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.108	0.0	.025	86.0	54.8-154	L706124-09	WG728250
1,1-Dichloroethane	mg/kg	0.119	0.0	.025	95.0	58.5-132	L706124-09	WG728250
1,1-Dichloroethene	mg/kg	0.115	0.0	.025	92.0	51.1-140	L706124-09	WG728250
1,1-Dichloropropene	mg/kg	0.109	0.0	.025	87.0	57.3-136	L706124-09	WG728250
1,2,3-Trichlorobenzene	mg/kg	0.0933	0.0	.025	75.0	59.1-138	L706124-09	WG728250
1,2,3-Trichloropropane	mg/kg	0.126	0.0	.025	100.	61.4-128	L706124-09	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.3-122	L706124-09	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0959	0.0	.025	77.0	63.6-143	L706124-09	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.106	0.0	.025	84.0	57.4-137	L706124-09	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.103	0.0	.025	82.0	57.3-136	L706124-09	WG728250
1,2-Dibromoethane	mg/kg	0.121	0.0	.025	97.0	67.1-125	L706124-09	WG728250
1,2-Dichlorobenzene	mg/kg	0.115	0.0	.025	92.0	68.2-123	L706124-09	WG728250
1,2-Dichloroethane	mg/kg	0.120	0.0	.025	96.0	60-126	L706124-09	WG728250
1,2-Dichloropropane	mg/kg	0.116	0.00501	.025	89.0	64.2-123	L706124-09	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.108	0.0	.025	86.0	63.6-132	L706124-09	WG728250
1,3-Dichlorobenzene	mg/kg	0.110	0.0	.025	88.0	63.1-131	L706124-09	WG728250
1,3-Dichloropropane	mg/kg	0.118	0.0	.025	95.0	67.9-121	L706124-09	WG728250
1,4-Dichlorobenzene	mg/kg	0.112	0.0	.025	89.0	68.6-123	L706124-09	WG728250
2,2-Dichloropropane	mg/kg	0.114	0.0	.025	91.0	50.5-144	L706124-09	WG728250
2-Butanone (MEK)	mg/kg	0.541	0.00139	.125	86.0	22.4-138	L706124-09	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.635	0.0	.125	100.	10-155	L706124-09	WG728250
2-Chlorotoluene	mg/kg	0.111	0.0	.025	89.0	63.6-128	L706124-09	WG728250
4-Chlorotoluene	mg/kg	0.108	0.0	.025	86.0	65.7-127	L706124-09	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.600	0.0	.125	96.0	60.8-140	L706124-09	WG728250
Acetone	mg/kg	0.531	0.00907	.125	84.0	10-130	L706124-09	WG728250
Acrylonitrile	mg/kg	0.537	0.0	.125	86.0	49.4-133	L706124-09	WG728250
Benzene	mg/kg	0.116	0.0	.025	93.0	54.3-133	L706124-09	WG728250
Bromobenzene	mg/kg	0.110	0.0	.025	88.0	63.9-124	L706124-09	WG728250
Bromodichloromethane	mg/kg	0.117	0.0	.025	94.0	63.9-121	L706124-09	WG728250
Bromoform	mg/kg	0.117	0.0	.025	94.0	59.5-134	L706124-09	WG728250
Bromomethane	mg/kg	0.163	0.0	.025	130.	41.7-155	L706124-09	WG728250
Carbon tetrachloride	mg/kg	0.114	0.0	.025	91.0	55.7-134	L706124-09	WG728250
Chlorobenzene	mg/kg	0.121	0.0	.025	97.0	67-125	L706124-09	WG728250
Chlorodibromomethane	mg/kg	0.120	0.0	.025	96.0	64.3-125	L706124-09	WG728250
Chloroethane	mg/kg	0.135	0.0	.025	110.	51.5-136	L706124-09	WG728250
Chloroform	mg/kg	0.117	0.0	.025	94.0	63-129	L706124-09	WG728250
Chloromethane	mg/kg	0.110	0.0	.025	88.0	42.4-135	L706124-09	WG728250
cis-1,2-Dichloroethene	mg/kg	0.126	0.0	.025	100.	59.2-129	L706124-09	WG728250
cis-1,3-Dichloropropene	mg/kg	0.118	0.0	.025	94.0	66.4-125	L706124-09	WG728250
Di-isopropyl ether	mg/kg	0.115	0.0	.025	92.0	56.9-136	L706124-09	WG728250
Dibromomethane	mg/kg	0.125	0.0	.025	100.	68.2-124	L706124-09	WG728250
Dichlorodifluoromethane	mg/kg	0.117	0.0	.025	94.0	40.6-144	L706124-09	WG728250
Ethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.4-133	L706124-09	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0685	0.0	.025	55.0*	55.1-136	L706124-09	WG728250
Isopropylbenzene	mg/kg	0.108	0.0	.025	87.0	66.8-141	L706124-09	WG728250
Methyl tert-butyl ether	mg/kg	0.124	0.0	.025	99.0	57.7-134	L706124-09	WG728250
Methylene Chloride	mg/kg	0.124	0.000449	.025	99.0	58.1-122	L706124-09	WG728250

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July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
n-Butylbenzene	mg/kg	0.0865	0.0	.025	69.0	62.7-140	L706124-09	WG728250
n-Propylbenzene	mg/kg	0.103	0.0	.025	82.0	10-176	L706124-09	WG728250
Naphthalene	mg/kg	0.102	0.000304	.025	82.0	58-135	L706124-09	WG728250
p-Isopropyltoluene	mg/kg	0.0960	0.0	.025	77.0	63.2-139	L706124-09	WG728250
sec-Butylbenzene	mg/kg	0.0989	0.0	.025	79.0	62.2-136	L706124-09	WG728250
Styrene	mg/kg	0.117	0.0	.025	94.0	66.8-133	L706124-09	WG728250
tert-Butylbenzene	mg/kg	0.102	0.0	.025	82.0	63.3-134	L706124-09	WG728250
Tetrachloroethene	mg/kg	0.115	0.0	.025	92.0	53-139	L706124-09	WG728250
Toluene	mg/kg	0.115	0.000541	.025	92.0	61.4-130	L706124-09	WG728250
trans-1,2-Dichloroethene	mg/kg	0.118	0.0	.025	94.0	56.5-129	L706124-09	WG728250
trans-1,3-Dichloropropene	mg/kg	0.119	0.00184	.025	94.0	64.1-128	L706124-09	WG728250
Trichloroethene	mg/kg	0.121	0.0	.025	97.0	44.1-149	L706124-09	WG728250
Trichlorofluoromethane	mg/kg	0.123	0.0	.025	99.0	49.6-145	L706124-09	WG728250
Vinyl chloride	mg/kg	0.112	0.0	.025	90.0	47.8-137	L706124-09	WG728250
Xylenes, Total	mg/kg	0.338	0.000445	.075	90.0	63.3-131	L706124-09	WG728250
4-Bromofluorobenzene					92.10	71-126		WG728250
Dibromofluoromethane					96.00	78.3-121		WG728250
Toluene-d8					96.80	88.5-111		WG728250
TPH (GC/FID) Low Fraction	mg/kg	0.546	0.0263	1	52.0	50-100	L705269-07	WG727346
a,a,a-Trifluorotoluene(FID)					78.30	50-150		WG727346
Acenaphthene	mg/kg	0.317	0.0	.4	79.0	48.3-126	L705938-01	WG728031
Acenaphthylene	mg/kg	0.324	0.0	.4	81.0	48.7-128	L705938-01	WG728031
Anthracene	mg/kg	0.313	0.0	.4	78.0	41-133	L705938-01	WG728031
Benzo(a)anthracene	mg/kg	0.299	0.0	.4	75.0	31.6-136	L705938-01	WG728031
Benzo(a)pyrene	mg/kg	0.301	0.0	.4	75.0	28-137	L705938-01	WG728031
Benzo(b)fluoranthene	mg/kg	0.313	0.0	.4	78.0	24-134	L705938-01	WG728031
Benzo(g,h,i)perylene	mg/kg	0.278	0.0	.4	69.0	19.1-139	L705938-01	WG728031
Benzo(k)fluoranthene	mg/kg	0.289	0.0	.4	72.0	30.4-134	L705938-01	WG728031
Chrysene	mg/kg	0.300	0.0	.4	75.0	32.4-137	L705938-01	WG728031
Dibenz(a,h)anthracene	mg/kg	0.301	0.0	.4	75.0	30.3-135	L705938-01	WG728031
Fluoranthene	mg/kg	0.326	0.0	.4	82.0	32.8-139	L705938-01	WG728031
Fluorene	mg/kg	0.312	0.0	.4	78.0	43-129	L705938-01	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.283	0.0	.4	71.0	22.3-139	L705938-01	WG728031
Naphthalene	mg/kg	0.292	0.0	.4	73.0	38.1-135	L705938-01	WG728031
Phenanthrene	mg/kg	0.311	0.0	.4	78.0	36.2-134	L705938-01	WG728031
Pyrene	mg/kg	0.343	0.0	.4	86.0	30.3-144	L705938-01	WG728031
2-Fluorobiphenyl					80.80	41.4-134		WG728031
Nitrobenzene-d5					75.90	28.3-148		WG728031
p-Terphenyl-d14					84.60	35.8-140		WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.130	0.0	.025	100.	64-128	L705784-02	WG727848
1,1,1-Trichloroethane	mg/kg	0.110	0.0	.025	88.0	58.7-134	L705784-02	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.126	0.0	.025	100.	56-132	L705784-02	WG727848
1,1,2-Trichloroethane	mg/kg	0.129	0.0	.025	100.	66.3-125	L705784-02	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.107	0.0	.025	85.0	54.8-154	L705784-02	WG727848
1,1-Dichloroethane	mg/kg	0.106	0.0	.025	84.0	58.5-132	L705784-02	WG727848
1,1-Dichloroethene	mg/kg	0.0987	0.0	.025	79.0	51.1-140	L705784-02	WG727848
1,1-Dichloropropene	mg/kg	0.104	0.0	.025	83.0	57.3-136	L705784-02	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0976	0.0	.025	78.0	59.1-138	L705784-02	WG727848
1,2,3-Trichloropropane	mg/kg	0.127	0.0	.025	100.	61.4-128	L705784-02	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.103	0.0	.025	83.0	61.3-122	L705784-02	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0964	0.0	.025	77.0	63.6-143	L705784-02	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.112	0.0	.025	90.0	57.4-137	L705784-02	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.124	0.0	.025	100.	57.3-136	L705784-02	WG727848

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dibromoethane	mg/kg	0.130	0.0	.025	100.	67.1-125	L705784-02	WG727848
1,2-Dichlorobenzene	mg/kg	0.110	0.0	.025	88.0	68.2-123	L705784-02	WG727848
1,2-Dichloroethane	mg/kg	0.0993	0.0	.025	79.0	60-126	L705784-02	WG727848
1,2-Dichloropropane	mg/kg	0.109	0.0	.025	87.0	64.2-123	L705784-02	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.114	0.0	.025	91.0	63.6-132	L705784-02	WG727848
1,3-Dichlorobenzene	mg/kg	0.118	0.0	.025	94.0	63.1-131	L705784-02	WG727848
1,3-Dichloropropane	mg/kg	0.118	0.0	.025	95.0	67.9-121	L705784-02	WG727848
1,4-Dichlorobenzene	mg/kg	0.103	0.0	.025	82.0	68.6-123	L705784-02	WG727848
2,2-Dichloropropane	mg/kg	0.107	0.0	.025	85.0	50.5-144	L705784-02	WG727848
2-Butanone (MEK)	mg/kg	0.496	0.00763	.125	78.0	22.4-138	L705784-02	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.655	0.0	.125	100.	10-155	L705784-02	WG727848
2-Chlorotoluene	mg/kg	0.120	0.0	.025	96.0	63.6-128	L705784-02	WG727848
4-Chlorotoluene	mg/kg	0.108	0.0	.025	86.0	65.7-127	L705784-02	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.526	0.0	.125	84.0	60.8-140	L705784-02	WG727848
Acetone	mg/kg	0.568	0.0669	.125	80.0	10-130	L705784-02	WG727848
Acrylonitrile	mg/kg	0.520	0.0	.125	83.0	49.4-133	L705784-02	WG727848
Benzene	mg/kg	0.108	0.0	.025	87.0	54.3-133	L705784-02	WG727848
Bromobenzene	mg/kg	0.106	0.0	.025	85.0	63.9-124	L705784-02	WG727848
Bromodichloromethane	mg/kg	0.111	0.0	.025	88.0	63.9-121	L705784-02	WG727848
Bromoform	mg/kg	0.138	0.0	.025	110.	59.5-134	L705784-02	WG727848
Bromomethane	mg/kg	0.113	0.0	.025	90.0	41.7-155	L705784-02	WG727848
Carbon tetrachloride	mg/kg	0.112	0.0	.025	90.0	55.7-134	L705784-02	WG727848
Chlorobenzene	mg/kg	0.125	0.0	.025	100.	67-125	L705784-02	WG727848
Chlorodibromomethane	mg/kg	0.132	0.0	.025	100.	64.3-125	L705784-02	WG727848
Chloroethane	mg/kg	0.0938	0.0	.025	75.0	51.5-136	L705784-02	WG727848
Chloroform	mg/kg	0.108	0.0	.025	86.0	63-129	L705784-02	WG727848
Chloromethane	mg/kg	0.102	0.0	.025	82.0	42.4-135	L705784-02	WG727848
cis-1,2-Dichloroethene	mg/kg	0.120	0.00171	.025	95.0	59.2-129	L705784-02	WG727848
cis-1,3-Dichloropropene	mg/kg	0.115	0.0	.025	92.0	66.4-125	L705784-02	WG727848
Di-isopropyl ether	mg/kg	0.0982	0.0	.025	78.0	56.9-136	L705784-02	WG727848
Dibromomethane	mg/kg	0.116	0.0	.025	93.0	68.2-124	L705784-02	WG727848
Dichlorodifluoromethane	mg/kg	0.109	0.0	.025	87.0	40.6-144	L705784-02	WG727848
Ethylbenzene	mg/kg	0.127	0.0	.025	100.	61.4-133	L705784-02	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0819	0.0	.025	66.0	55.1-136	L705784-02	WG727848
Isopropylbenzene	mg/kg	0.118	0.0	.025	94.0	66.8-141	L705784-02	WG727848
Methyl tert-butyl ether	mg/kg	0.110	0.0	.025	88.0	57.7-134	L705784-02	WG727848
Methylene Chloride	mg/kg	0.110	0.0	.025	88.0	58.1-122	L705784-02	WG727848
n-Butylbenzene	mg/kg	0.0909	0.0	.025	73.0	62.7-140	L705784-02	WG727848
n-Propylbenzene	mg/kg	0.113	0.0	.025	90.0	10-176	L705784-02	WG727848
Naphthalene	mg/kg	0.103	0.0	.025	82.0	58-135	L705784-02	WG727848
p-Isopropyltoluene	mg/kg	0.113	0.0	.025	91.0	63.2-139	L705784-02	WG727848
sec-Butylbenzene	mg/kg	0.110	0.0	.025	88.0	62.2-136	L705784-02	WG727848
Styrene	mg/kg	0.124	0.0	.025	99.0	66.8-133	L705784-02	WG727848
tert-Butylbenzene	mg/kg	0.118	0.0	.025	94.0	63.3-134	L705784-02	WG727848
Tetrachloroethene	mg/kg	0.128	0.0	.025	100.	53-139	L705784-02	WG727848
Toluene	mg/kg	0.112	0.000301	.025	89.0	61.4-130	L705784-02	WG727848
trans-1,2-Dichloroethene	mg/kg	0.117	0.0	.025	94.0	56.5-129	L705784-02	WG727848
trans-1,3-Dichloropropene	mg/kg	0.130	0.0	.025	100.	64.1-128	L705784-02	WG727848
Trichloroethene	mg/kg	0.120	0.0	.025	96.0	44.1-149	L705784-02	WG727848
Trichlorofluoromethane	mg/kg	0.105	0.0	.025	84.0	49.6-145	L705784-02	WG727848
Vinyl chloride	mg/kg	0.0993	0.0	.025	79.0	47.8-137	L705784-02	WG727848
Xylenes, Total	mg/kg	0.364	0.0	.075	97.0	63.3-131	L705784-02	WG727848
4-Bromofluorobenzene					96.90	71-126		WG727848
Dibromofluoromethane					92.20	78.3-121		WG727848
Toluene-d8					94.40	88.5-111		WG727848
Extractable Petroleum Hydrocarbon	mg/kg	51.5	0.0	60	86.0	50-100	L705269-26	WG728024
o-Terphenyl					81.20	50-150		WG728024

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	0.573	0.0146	1	56.0	50-100	L705269-23	WG727349
a,a,a-Trifluorotoluene(FID)					113.0	50-150		WG727349
PCB 1016	mg/kg	0.122	0.0	.167	73.0	23.5-134	L705269-13	WG728030
PCB 1260	mg/kg	0.116	0.0	.167	69.0	16.1-139	L705269-13	WG728030
Decachlorobiphenyl					65.40	10-145		WG728030
Tetrachloro-m-xylene					88.10	21.1-148		WG728030
Acenaphthene	mg/kg	0.398	0.0	.4	100.	48.3-126	L705269-21	WG728071
Acenaphthylene	mg/kg	0.423	0.0	.4	110.	48.7-128	L705269-21	WG728071
Anthracene	mg/kg	0.386	0.0	.4	97.0	41-133	L705269-21	WG728071
Benzo(a)anthracene	mg/kg	0.360	0.0	.4	90.0	31.6-136	L705269-21	WG728071
Benzo(a)pyrene	mg/kg	0.383	0.0	.4	96.0	28-137	L705269-21	WG728071
Benzo(b)fluoranthene	mg/kg	0.355	0.0	.4	89.0	24-134	L705269-21	WG728071
Benzo(g,h,i)perylene	mg/kg	0.380	0.0	.4	95.0	19.1-139	L705269-21	WG728071
Benzo(k)fluoranthene	mg/kg	0.350	0.0	.4	87.0	30.4-134	L705269-21	WG728071
Chrysene	mg/kg	0.383	0.0	.4	96.0	32.4-137	L705269-21	WG728071
Dibenz(a,h)anthracene	mg/kg	0.385	0.0	.4	96.0	30.3-135	L705269-21	WG728071
Fluoranthene	mg/kg	0.348	0.0	.4	87.0	32.8-139	L705269-21	WG728071
Fluorene	mg/kg	0.384	0.0	.4	96.0	43-129	L705269-21	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.376	0.0	.4	94.0	22.3-139	L705269-21	WG728071
Naphthalene	mg/kg	0.375	0.0	.4	94.0	38.1-135	L705269-21	WG728071
Phenanthrene	mg/kg	0.377	0.0	.4	94.0	36.2-134	L705269-21	WG728071
Pyrene	mg/kg	0.381	0.0	.4	95.0	30.3-144	L705269-21	WG728071
2-Fluorobiphenyl					103.0	41.4-134		WG728071
Nitrobenzene-d5					90.10	28.3-148		WG728071
p-Terphenyl-d14					116.0	35.8-140		WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.480	0.00853	1	47.0*	50-100	L706639-02	WG728614
a,a,a-Trifluorotoluene(FID)					90.60	50-150		WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.465	0.0186	1	45.0*	50-100	L705269-22	WG728761
a,a,a-Trifluorotoluene(FID)					78.20	50-150		WG728761
Extractable Petroleum Hydrocarbon	mg/kg	63.0	3.76	60	99.0	50-100	L706006-02	WG728630
o-Terphenyl					68.50	50-150		WG728630

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/kg	0.612	0.594	86.3	80-120	3.00	20	L705224-01	WG727143
Mercury	mg/kg	0.557	0.398	105.	80-120	33.0*	20	L705269-02	WG727205
1,1,1,2-Tetrachloroethane	mg/l	0.0272	0.0294	109.	64-128	7.52	20	L705328-01	WG727265
1,1,1-Trichloroethane	mg/l	0.0217	0.0227	86.6	58.7-134	4.57	20	L705328-01	WG727265
1,1,2,2-Tetrachloroethane	mg/l	0.0245	0.0262	97.9	56-132	6.69	22.2	L705328-01	WG727265
1,1,2-Trichloroethane	mg/l	0.0252	0.0260	101.	66.3-125	2.97	20	L705328-01	WG727265
1,1,2-Trichlorotrifluoroethane	mg/l	0.0264	0.0284	106.	54.8-154	7.21	22.5	L705328-01	WG727265
1,1-Dichloroethane	mg/l	0.0193	0.0229	77.3	58.5-132	17.1	20	L705328-01	WG727265
1,1-Dichloroethene	mg/l	0.0263	0.0298	105.	51.1-140	12.4	20.2	L705328-01	WG727265
1,1-Dichloropropene	mg/l	0.0210	0.0222	84.0	57.3-136	5.67	20	L705328-01	WG727265

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Quality Assurance Report
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L705269

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Analyte	Units	Matrix Spike MSD	Ref	%Rec	Limit	Duplicate RPD	Limit	Ref Samp	Batch
1,2,3-Trichlorobenzene	mg/l	0.0278	0.0279	111.	59.1-138	0.310	23.7	L705328-01	WG727265
1,2,3-Trichloropropane	mg/l	0.0261	0.0269	104.	61.4-128	3.13	22.4	L705328-01	WG727265
1,2,3-Trimethylbenzene	mg/l	0.0199	0.0205	77.7	61.3-122	2.90	20	L705328-01	WG727265
1,2,4-Trichlorobenzene	mg/l	0.0261	0.0279	104.	63.6-143	6.79	21.9	L705328-01	WG727265
1,2,4-Trimethylbenzene	mg/l	0.0251	0.0268	100.	57.4-137	6.67	20	L705328-01	WG727265
1,2-Dibromo-3-Chloropropane	mg/l	0.0289	0.0280	116.	57.3-136	3.06	27	L705328-01	WG727265
1,2-Dibromoethane	mg/l	0.0267	0.0273	107.	67.1-125	2.03	20	L705328-01	WG727265
1,2-Dichlorobenzene	mg/l	0.0251	0.0251	100.	68.2-123	0.0300	20	L705328-01	WG727265
1,2-Dichloroethane	mg/l	0.0178	0.0188	71.1	60-126	5.72	20	L705328-01	WG727265
1,2-Dichloropropane	mg/l	0.0213	0.0225	85.2	64.2-123	5.39	20	L705328-01	WG727265
1,3,5-Trimethylbenzene	mg/l	0.0255	0.0276	102.	63.6-132	7.67	20.5	L705328-01	WG727265
1,3-Dichlorobenzene	mg/l	0.0272	0.0294	109.	63.1-131	7.57	20	L705328-01	WG727265
1,3-Dichloropropane	mg/l	0.0234	0.0244	93.6	67.9-121	4.21	20	L705328-01	WG727265
1,4-Dichlorobenzene	mg/l	0.0243	0.0245	97.2	68.6-123	0.850	20	L705328-01	WG727265
2,2-Dichloropropane	mg/l	0.0227	0.0241	90.6	50.5-144	6.03	21.9	L705328-01	WG727265
2-Butanone (MEK)	mg/l	0.0892	0.0940	71.4	22.4-138	5.18	27	L705328-01	WG727265
2-Chloroethyl vinyl ether	mg/l	0.0453	0.0661	36.2	10-155	37.3*	20	L705328-01	WG727265
2-Chlorotoluene	mg/l	0.0269	0.0294	107.	63.6-128	9.05	20	L705328-01	WG727265
4-Chlorotoluene	mg/l	0.0233	0.0250	93.2	65.7-127	7.03	20	L705328-01	WG727265
4-Methyl-2-pentanone (MIBK)	mg/l	0.121	0.126	96.8	60.8-140	4.11	25.1	L705328-01	WG727265
Acetone	mg/l	0.0883	0.114	68.3	10-130	25.4	27.9	L705328-01	WG727265
Acrolein	mg/l	0.0715	0.0870	57.2	10-200	19.5	27.7	L705328-01	WG727265
Acrylonitrile	mg/l	0.0946	0.114	75.6	49.4-133	18.5	25.3	L705328-01	WG727265
Benzene	mg/l	0.0362	0.0378	65.1	54.3-133	4.29	20	L705328-01	WG727265
Bromobenzene	mg/l	0.0224	0.0238	89.6	63.9-124	6.10	20	L705328-01	WG727265
Bromodichloromethane	mg/l	0.0219	0.0223	87.5	63.9-121	1.92	20	L705328-01	WG727265
Bromoform	mg/l	0.0308	0.0318	123.	59.5-134	3.30	20.5	L705328-01	WG727265
Bromomethane	mg/l	0.0268	0.0305	107.	41.7-155	12.9	21.9	L705328-01	WG727265
Carbon tetrachloride	mg/l	0.0222	0.0232	88.7	55.7-134	4.69	20	L705328-01	WG727265
Chlorobenzene	mg/l	0.0259	0.0276	104.	67-125	6.24	20	L705328-01	WG727265
Chlorodibromomethane	mg/l	0.0271	0.0281	108.	64.3-125	3.67	20.8	L705328-01	WG727265
Chloroethane	mg/l	0.0257	0.0290	103.	51.5-136	11.8	40	L705328-01	WG727265
Chloroform	mg/l	0.0191	0.0201	76.2	63-129	5.53	20	L705328-01	WG727265
Chloromethane	mg/l	0.0217	0.0258	86.8	42.4-135	17.2	20	L705328-01	WG727265
cis-1,2-Dichloroethene	mg/l	0.0213	0.0230	85.4	59.2-129	7.48	20	L705328-01	WG727265
cis-1,3-Dichloropropene	mg/l	0.0245	0.0254	97.9	66.4-125	3.89	20	L705328-01	WG727265
Di-isopropyl ether	mg/l	0.0187	0.0241	74.8	56.9-136	25.4*	20	L705328-01	WG727265
Dibromomethane	mg/l	0.0221	0.0232	88.6	68.2-124	4.63	20	L705328-01	WG727265
Dichlorodifluoromethane	mg/l	0.0209	0.0236	83.8	40.6-144	12.0	20.2	L705328-01	WG727265
Ethylbenzene	mg/l	0.0270	0.0287	106.	61.4-133	6.27	20	L705328-01	WG727265
Hexachloro-1,3-butadiene	mg/l	0.0254	0.0276	102.	55.1-136	8.34	23.6	L705328-01	WG727265
Isopropylbenzene	mg/l	0.0291	0.0309	116.	66.8-141	6.01	20	L705328-01	WG727265
Methyl tert-butyl ether	mg/l	0.0247	0.0299	69.3	57.7-134	19.0	20	L705328-01	WG727265
Methylene Chloride	mg/l	0.0206	0.0240	82.4	58.1-122	15.0	20	L705328-01	WG727265
n-Butylbenzene	mg/l	0.0234	0.0235	93.5	62.7-140	0.720	20.3	L705328-01	WG727265
n-Propylbenzene	mg/l	0.0251	0.0270	100.	65.9-131	7.10	20	L705328-01	WG727265
Naphthalene	mg/l	0.0271	0.0268	108.	58-135	0.950	25.5	L705328-01	WG727265
p-Isopropyltoluene	mg/l	0.0280	0.0303	112.	63.2-139	7.84	20.4	L705328-01	WG727265
sec-Butylbenzene	mg/l	0.0267	0.0290	107.	62.2-136	8.52	20.3	L705328-01	WG727265
Styrene	mg/l	0.0270	0.0285	108.	66.8-133	5.74	20	L705328-01	WG727265
tert-Butylbenzene	mg/l	0.0265	0.0286	106.	63.3-134	7.91	21	L705328-01	WG727265
Tetrachloroethene	mg/l	0.0307	0.0320	123.	53-139	4.04	20	L705328-01	WG727265
Toluene	mg/l	0.0233	0.0243	93.1	61.4-130	4.29	20	L705328-01	WG727265
trans-1,2-Dichloroethene	mg/l	0.0222	0.0254	88.7	56.5-129	13.6	20	L705328-01	WG727265
trans-1,3-Dichloropropene	mg/l	0.0258	0.0273	103.	64.1-128	5.84	20	L705328-01	WG727265
Trichloroethene	mg/l	0.0255	0.0262	102.	44.1-149	2.81	20	L705328-01	WG727265
Trichlorofluoromethane	mg/l	0.0286	0.0308	114.	49.6-145	7.15	21.2	L705328-01	WG727265
Vinyl chloride	mg/l	0.0242	0.0270	96.7	47.8-137	10.9	20	L705328-01	WG727265
Xylenes, Total	mg/l	0.0789	0.0837	104.	63.3-131	5.91	20	L705328-01	WG727265

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
4-Bromofluorobenzene				91.60	71-126				
Dibromofluoromethane				86.50	78.3-121				
Toluene-d8				97.30	88.5-111				
1,1,1,2-Tetrachloroethane	mg/kg	0.0194	0.0227	77.8	64-128	15.3	20	L705269-07	WG727286
1,1,1-Trichloroethane	mg/kg	0.0212	0.0236	84.9	58.7-134	10.6	20	L705269-07	WG727286
1,1,2,2-Tetrachloroethane	mg/kg	0.0213	0.0351	85.2	56-132	49.0*	22.2	L705269-07	WG727286
1,1,2-Trichloroethane	mg/kg	0.0203	0.0231	81.3	66.3-125	12.8	20	L705269-07	WG727286
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0220	0.0246	88.0	54.8-154	11.3	22.5	L705269-07	WG727286
1,1-Dichloroethane	mg/kg	0.0205	0.0233	81.8	58.5-132	13.1	20	L705269-07	WG727286
1,1-Dichloroethene	mg/kg	0.0203	0.0225	81.4	51.1-140	10.1	20.2	L705269-07	WG727286
1,1-Dichloropropene	mg/kg	0.0206	0.0229	82.2	57.3-136	10.7	20	L705269-07	WG727286
1,2,3-Trichlorobenzene	mg/kg	0.0141	0.0222	56.3*	59.1-138	44.8*	23.7	L705269-07	WG727286
1,2,3-Trichloropropane	mg/kg	0.0188	0.0255	75.1	61.4-128	30.5*	22.4	L705269-07	WG727286
1,2,3-Trimethylbenzene	mg/kg	0.0193	0.0235	77.4	61.3-122	19.3	20	L705269-07	WG727286
1,2,4-Trichlorobenzene	mg/kg	0.0148	0.0212	59.2*	63.6-143	35.8*	21.9	L705269-07	WG727286
1,2,4-Trimethylbenzene	mg/kg	0.0182	0.0212	72.8	57.4-137	15.1	20	L705269-07	WG727286
1,2-Dibromo-3-Chloropropane	mg/kg	0.0184	0.0218	73.8	57.3-136	16.9	27	L705269-07	WG727286
1,2-Dibromoethane	mg/kg	0.0187	0.0216	74.7	67.1-125	14.7	20	L705269-07	WG727286
1,2-Dichlorobenzene	mg/kg	0.0182	0.0231	73.0	68.2-123	23.5*	20	L705269-07	WG727286
1,2-Dichloroethane	mg/kg	0.0204	0.0234	81.7	60-126	13.6	20	L705269-07	WG727286
1,2-Dichloropropane	mg/kg	0.0206	0.0230	82.4	64.2-123	11.1	20	L705269-07	WG727286
1,3,5-Trimethylbenzene	mg/kg	0.0195	0.0228	78.1	63.6-132	15.3	20.5	L705269-07	WG727286
1,3-Dichlorobenzene	mg/kg	0.0167	0.0216	66.9	63.1-131	25.6*	20	L705269-07	WG727286
1,3-Dichloropropane	mg/kg	0.0175	0.0217	69.8	67.9-121	21.7*	20	L705269-07	WG727286
1,4-Dichlorobenzene	mg/kg	0.0162	0.0216	65.0*	68.6-123	28.3*	20	L705269-07	WG727286
2,2-Dichloropropane	mg/kg	0.0218	0.0245	87.4	50.5-144	11.4	21.9	L705269-07	WG727286
2-Butanone (MEK)	mg/kg	0.112	0.113	89.6	22.4-138	0.820	27	L705269-07	WG727286
2-Chloroethyl vinyl ether	mg/kg	0.0970	0.115	77.6	10-155	17.0	40	L705269-07	WG727286
2-Chlorotoluene	mg/kg	0.0195	0.0232	78.1	63.6-128	17.2	20	L705269-07	WG727286
4-Chlorotoluene	mg/kg	0.0180	0.0215	72.2	65.7-127	17.5	20	L705269-07	WG727286
4-Methyl-2-pentanone (MIBK)	mg/kg	0.103	0.121	82.5	60.8-140	16.1	25.1	L705269-07	WG727286
Acetone	mg/kg	0.0942	0.110	72.4	10-130	15.1	27.9	L705269-07	WG727286
Acrylonitrile	mg/kg	0.102	0.123	81.2	49.4-133	19.0	25.3	L705269-07	WG727286
Benzene	mg/kg	0.0196	0.0217	78.4	54.3-133	10.4	20	L705269-07	WG727286
Bromobenzene	mg/kg	0.0173	0.0208	69.4	63.9-124	18.0	20	L705269-07	WG727286
Bromodichloromethane	mg/kg	0.0199	0.0233	79.5	63.9-121	16.0	20	L705269-07	WG727286
Bromoform	mg/kg	0.0182	0.0222	72.7	59.5-134	20.1	20.8	L705269-07	WG727286
Bromomethane	mg/kg	0.0193	0.0216	77.3	41.7-155	11.1	20.5	L705269-07	WG727286
Carbon tetrachloride	mg/kg	0.0221	0.0242	88.2	55.7-134	9.38	20.3	L705269-07	WG727286
Chlorobenzene	mg/kg	0.0186	0.0221	74.4	67-125	17.3	20	L705269-07	WG727286
Chlorodibromomethane	mg/kg	0.0192	0.0231	76.7	64.3-125	18.6	20	L705269-07	WG727286
Chloroethane	mg/kg	0.0213	0.0217	85.4	51.5-136	1.57	20.8	L705269-07	WG727286
Chloroform	mg/kg	0.0200	0.0224	79.9	63-129	11.3	20	L705269-07	WG727286
Chloromethane	mg/kg	0.0192	0.0214	77.0	42.4-135	10.7	20	L705269-07	WG727286
cis-1,2-Dichloroethene	mg/kg	0.0229	0.0258	79.2	59.2-129	11.8	20	L705269-07	WG727286
cis-1,3-Dichloropropene	mg/kg	0.0194	0.0237	77.7	66.4-125	19.6	20	L705269-07	WG727286
Di-isopropyl ether	mg/kg	0.0207	0.0236	82.9	56.9-136	12.8	20	L705269-07	WG727286
Dibromomethane	mg/kg	0.0201	0.0239	80.5	68.2-124	17.0	20	L705269-07	WG727286
Dichlorodifluoromethane	mg/kg	0.0215	0.0242	85.9	40.6-144	12.1	20.2	L705269-07	WG727286
Ethylbenzene	mg/kg	0.0185	0.0210	73.9	61.4-133	12.8	20	L705269-07	WG727286
Hexachloro-1,3-butadiene	mg/kg	0.0175	0.0235	70.0	55.1-136	29.5*	23.6	L705269-07	WG727286
Isopropylbenzene	mg/kg	0.0197	0.0233	79.0	66.8-141	16.3	20	L705269-07	WG727286
Methyl tert-butyl ether	mg/kg	0.0202	0.0237	80.8	57.7-134	16.1	20	L705269-07	WG727286
Methylene Chloride	mg/kg	0.0182	0.0212	72.8	58.1-122	15.4	20	L705269-07	WG727286
n-Butylbenzene	mg/kg	0.0189	0.0246	75.6	62.7-140	26.3*	20	L705269-07	WG727286
n-Propylbenzene	mg/kg	0.0193	0.0232	77.2	10-176	18.2	26.6	L705269-07	WG727286
Naphthalene	mg/kg	0.0161	0.0223	64.2	58-135	32.4*	25.5	L705269-07	WG727286
p-Isopropyltoluene	mg/kg	0.0189	0.0226	75.7	63.2-139	17.6	20.4	L705269-07	WG727286
sec-Butylbenzene	mg/kg	0.0196	0.0243	78.4	62.2-136	21.5*	20.3	L705269-07	WG727286

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Styrene	mg/kg	0.0186	0.0221	74.3	66.8-133	17.5	20	L705269-07	WG727286
tert-Butylbenzene	mg/kg	0.0206	0.0245	81.1	63.3-134	17.2	20.3	L705269-07	WG727286
Tetrachloroethene	mg/kg	0.0318	0.0365	72.1	53-139	13.7	20	L705269-07	WG727286
Toluene	mg/kg	0.0189	0.0222	75.6	61.4-130	16.1	20	L705269-07	WG727286
trans-1,2-Dichloroethene	mg/kg	0.0194	0.0225	77.4	56.5-129	14.9	20	L705269-07	WG727286
trans-1,3-Dichloropropene	mg/kg	0.0180	0.0225	72.1	64.1-128	22.1*	20	L705269-07	WG727286
Trichloroethene	mg/kg	0.0225	0.0259	78.3	44.1-149	14.0	20	L705269-07	WG727286
Trichlorofluoromethane	mg/kg	0.0219	0.0238	87.7	49.6-145	8.13	21.2	L705269-07	WG727286
Vinyl chloride	mg/kg	0.0195	0.0219	77.8	47.8-137	12.0	20	L705269-07	WG727286
Xylenes, Total	mg/kg	0.0545	0.0643	72.7	63.3-131	16.5	20	L705269-07	WG727286
4-Bromofluorobenzene				99.00	71-126				WG727286
Dibromofluoromethane				102.0	78.3-121				WG727286
Toluene-d8				102.0	88.5-111				WG727286
Acenaphthene	mg/kg	0.319	0.302	79.8	48.3-126	5.42	20	L705269-07	WG727502
Acenaphthylene	mg/kg	0.314	0.287	78.4	48.7-128	8.84	20	L705269-07	WG727502
Anthracene	mg/kg	0.328	0.326	82.0	41-133	0.530	20	L705269-07	WG727502
Benzo(a)anthracene	mg/kg	0.263	0.308	65.8	31.6-136	15.8	20	L705269-07	WG727502
Benzo(a)pyrene	mg/kg	0.298	0.311	74.4	28-137	4.21	20.5	L705269-07	WG727502
Benzo(b)fluoranthene	mg/kg	0.286	0.301	71.5	24-134	4.92	24.3	L705269-07	WG727502
Benzo(g,h,i)perylene	mg/kg	0.293	0.316	73.3	19.1-139	7.45	23.4	L705269-07	WG727502
Benzo(k)fluoranthene	mg/kg	0.314	0.322	78.6	30.4-134	2.35	24.7	L705269-07	WG727502
Chrysene	mg/kg	0.276	0.322	69.0	32.4-137	15.3	20	L705269-07	WG727502
Dibenz(a,h)anthracene	mg/kg	0.315	0.334	78.8	30.3-135	5.71	22.5	L705269-07	WG727502
Fluoranthene	mg/kg	0.287	0.285	71.8	32.8-139	0.820	20	L705269-07	WG727502
Fluorene	mg/kg	0.295	0.284	73.7	43-129	3.59	20	L705269-07	WG727502
Indeno(1,2,3-cd)pyrene	mg/kg	0.286	0.315	71.5	22.3-139	9.73	23.6	L705269-07	WG727502
Naphthalene	mg/kg	0.300	0.315	72.8	38.1-135	4.84	20	L705269-07	WG727502
Phenanthrene	mg/kg	0.321	0.319	80.2	36.2-134	0.710	20	L705269-07	WG727502
Pyrene	mg/kg	0.281	0.331	70.4	30.3-144	16.3	21.7	L705269-07	WG727502
2-Fluorobiphenyl				77.20	41.4-134				WG727502
Nitrobenzene-d5				73.30	28.3-148				WG727502
p-Terphenyl-d14				74.30	35.8-140				WG727502
Arsenic	mg/kg	41.4	42.7	72.9*	75-125	3.00	20	L705269-07	WG727624
Barium	mg/kg	118.	121.	69.3*	75-125	2.00	20	L705269-07	WG727624
Cadmium	mg/kg	35.9	37.3	70.8*	75-125	4.00	20	L705269-07	WG727624
Chromium	mg/kg	57.6	59.4	71.6*	75-125	3.00	20	L705269-07	WG727624
Lead	mg/kg	64.9	63.6	61.4*	75-125	2.00	20	L705269-07	WG727624
Selenium	mg/kg	42.6	44.0	71.7*	75-125	3.00	20	L705269-07	WG727624
Silver	mg/kg	36.4	37.7	74.3*	75-125	4.00	20	L705269-07	WG727624
1,1,1,2-Tetrachloroethane	mg/kg	0.116	0.115	93.0	64-128	1.34	20	L705745-04	WG727846
1,1,1-Trichloroethane	mg/kg	0.112	0.105	89.3	58.7-134	5.68	20	L705745-04	WG727846
1,1,2,2-Tetrachloroethane	mg/kg	0.138	0.139	110.	56-132	1.26	22.2	L705745-04	WG727846
1,1,2-Trichloroethane	mg/kg	0.127	0.121	102.	66.3-125	5.56	20	L705745-04	WG727846
1,1,2-Trichlorotrifluoroethane	mg/kg	0.105	0.0976	84.2	54.8-154	7.49	22.5	L705745-04	WG727846
1,1-Dichloroethane	mg/kg	0.111	0.106	88.5	58.5-132	4.68	20	L705745-04	WG727846
1,1-Dichloroethene	mg/kg	0.0936	0.0886	74.9	51.1-140	5.55	20.2	L705745-04	WG727846
1,1-Dichloropropene	mg/kg	0.105	0.0994	84.2	57.3-136	5.80	20	L705745-04	WG727846
1,2,3-Trichlorobenzene	mg/kg	0.123	0.120	97.3	59.1-138	2.79	23.7	L705745-04	WG727846
1,2,3-Trichloropropane	mg/kg	0.136	0.138	109.	61.4-128	1.29	22.4	L705745-04	WG727846
1,2,3-Trimethylbenzene	mg/kg	0.114	0.112	90.7	61.3-122	1.70	20	L705745-04	WG727846
1,2,4-Trichlorobenzene	mg/kg	0.114	0.111	89.8	63.6-143	2.69	21.9	L705745-04	WG727846
1,2,4-Trimethylbenzene	mg/kg	0.114	0.114	90.9	57.4-137	0.560	20	L705745-04	WG727846
1,2-Dibromo-3-Chloropropane	mg/kg	0.148	0.144	118.	57.3-136	2.69	27	L705745-04	WG727846

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dibromoethane	mg/kg	0.127	0.118	101.	67.1-125	7.38	20	L705745-04	WG727846
1,2-Dichlorobenzene	mg/kg	0.120	0.119	96.2	68.2-123	1.17	20	L705745-04	WG727846
1,2-Dichloroethane	mg/kg	0.109	0.104	87.2	60-126	4.99	20	L705745-04	WG727846
1,2-Dichloropropane	mg/kg	0.113	0.103	90.3	64.2-123	9.36	20	L705745-04	WG727846
1,3,5-Trimethylbenzene	mg/kg	0.113	0.113	90.1	63.6-132	0.0900	20.5	L705745-04	WG727846
1,3-Dichlorobenzene	mg/kg	0.115	0.114	92.2	63.1-131	1.47	20	L705745-04	WG727846
1,3-Dichloropropane	mg/kg	0.118	0.113	94.4	67.9-121	4.76	20	L705745-04	WG727846
1,4-Dichlorobenzene	mg/kg	0.112	0.107	89.2	68.6-123	4.03	20	L705745-04	WG727846
2,2-Dichloropropane	mg/kg	0.0998	0.0931	79.9	50.5-144	6.98	21.9	L705745-04	WG727846
2-Butanone (MEK)	mg/kg	0.565	0.552	90.4	22.4-138	2.38	27	L705745-04	WG727846
2-Chloroethyl vinyl ether	mg/kg	0.584	0.549	93.4	10-155	6.15	40	L705745-04	WG727846
2-Chlorotoluene	mg/kg	0.0957	0.0977	76.5	63.6-128	2.12	20	L705745-04	WG727846
4-Chlorotoluene	mg/kg	0.114	0.111	91.0	65.7-127	2.84	20	L705745-04	WG727846
4-Methyl-2-pentanone (MIBK)	mg/kg	0.657	0.652	105.	60.8-140	0.860	25.1	L705745-04	WG727846
Acetone	mg/kg	0.541	0.535	84.5	10-130	1.27	27.9	L705745-04	WG727846
Acrylonitrile	mg/kg	0.610	0.584	97.6	49.4-133	4.30	25.3	L705745-04	WG727846
Benzene	mg/kg	0.111	0.103	88.4	54.3-133	7.13	20	L705745-04	WG727846
Bromobenzene	mg/kg	0.112	0.110	89.8	63.9-124	1.81	20	L705745-04	WG727846
Bromodichloromethane	mg/kg	0.114	0.111	91.4	63.9-121	2.98	20	L705745-04	WG727846
Bromoform	mg/kg	0.130	0.130	104.	59.5-134	0.200	20.8	L705745-04	WG727846
Bromomethane	mg/kg	0.0978	0.0935	78.2	41.7-155	4.51	20.5	L705745-04	WG727846
Carbon tetrachloride	mg/kg	0.117	0.111	93.4	55.7-134	5.12	20.3	L705745-04	WG727846
Chlorobenzene	mg/kg	0.118	0.111	94.0	67-125	5.89	20	L705745-04	WG727846
Chlorodibromomethane	mg/kg	0.128	0.120	102.	64.3-125	6.29	20	L705745-04	WG727846
Chloroethane	mg/kg	0.0917	0.0879	73.4	51.5-136	4.30	20.8	L705745-04	WG727846
Chloroform	mg/kg	0.116	0.110	92.7	63-129	5.33	20	L705745-04	WG727846
Chloromethane	mg/kg	0.0851	0.0816	68.1	42.4-135	4.21	20	L705745-04	WG727846
cis-1,2-Dichloroethene	mg/kg	0.115	0.109	92.0	59.2-129	4.98	20	L705745-04	WG727846
cis-1,3-Dichloropropene	mg/kg	0.117	0.113	93.6	66.4-125	3.83	20	L705745-04	WG727846
Di-isopropyl ether	mg/kg	0.104	0.101	83.0	56.9-136	2.28	20	L705745-04	WG727846
Dibromomethane	mg/kg	0.121	0.117	96.6	68.2-124	3.32	20	L705745-04	WG727846
Dichlorodifluoromethane	mg/kg	0.0970	0.0919	77.6	40.6-144	5.39	20.2	L705745-04	WG727846
Ethylbenzene	mg/kg	0.116	0.111	92.6	61.4-133	4.13	20	L705745-04	WG727846
Hexachloro-1,3-butadiene	mg/kg	0.102	0.0985	81.7	55.1-136	3.59	23.6	L705745-04	WG727846
Isopropylbenzene	mg/kg	0.114	0.112	91.1	66.8-141	1.78	20	L705745-04	WG727846
Methyl tert-butyl ether	mg/kg	0.111	0.109	88.8	57.7-134	1.38	20	L705745-04	WG727846
Methylene Chloride	mg/kg	0.109	0.106	87.0	58.1-122	3.44	20	L705745-04	WG727846
n-Butylbenzene	mg/kg	0.108	0.104	85.8	62.7-140	3.01	20	L705745-04	WG727846
n-Propylbenzene	mg/kg	0.112	0.108	89.3	10-176	3.13	26.6	L705745-04	WG727846
Naphthalene	mg/kg	0.133	0.130	104.	58-135	2.67	25.5	L705745-04	WG727846
p-Isopropyltoluene	mg/kg	0.112	0.111	89.5	63.2-139	1.41	20.4	L705745-04	WG727846
sec-Butylbenzene	mg/kg	0.114	0.114	90.5	62.2-136	0.660	20.3	L705745-04	WG727846
Styrene	mg/kg	0.114	0.111	90.8	66.8-133	2.36	20	L705745-04	WG727846
tert-Butylbenzene	mg/kg	0.116	0.116	92.4	63.3-134	0.410	20.3	L705745-04	WG727846
Tetrachloroethene	mg/kg	0.104	0.0965	83.6	53-139	7.90	20	L705745-04	WG727846
Toluene	mg/kg	0.110	0.103	87.4	61.4-130	5.94	20	L705745-04	WG727846
trans-1,2-Dichloroethene	mg/kg	0.106	0.101	84.5	56.5-129	4.07	20	L705745-04	WG727846
trans-1,3-Dichloropropene	mg/kg	0.121	0.116	97.0	64.1-128	4.66	20	L705745-04	WG727846
Trichloroethene	mg/kg	0.109	0.104	87.4	44.1-149	4.85	20	L705745-04	WG727846
Trichlorofluoromethane	mg/kg	0.108	0.101	86.3	49.6-145	6.73	21.2	L705745-04	WG727846
Vinyl chloride	mg/kg	0.0887	0.0830	71.0	47.8-137	6.62	20	L705745-04	WG727846
Xylenes, Total	mg/kg	0.341	0.326	90.7	63.3-131	4.28	20	L705745-04	WG727846
4-Bromofluorobenzene				95.30	71-126				WG727846
Dibromofluoromethane				99.00	78.3-121				WG727846
Toluene-d8				98.00	88.5-111				WG727846
1,1,1,2-Tetrachloroethane	mg/kg	0.0860	0.0870	68.8	64-128	1.24	20	L705715-03	WG727960
1,1,1-Trichloroethane	mg/kg	0.101	0.121	80.8	58.7-134	18.2	20	L705715-03	WG727960

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Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/kg	0.0995	0.101	79.6	56-132	1.80	22.2	L705715-03	WG727960
1,1,2-Trichloroethane	mg/kg	0.110	0.110	87.6	66.3-125	0.0300	20	L705715-03	WG727960
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0879	0.101	70.3	54.8-154	13.9	22.5	L705715-03	WG727960
1,1-Dichloroethane	mg/kg	0.121	0.141	97.0	58.5-132	14.8	20	L705715-03	WG727960
1,1-Dichloroethene	mg/kg	0.117	0.138	93.4	51.1-140	16.8	20.2	L705715-03	WG727960
1,1-Dichloropropene	mg/kg	0.0898	0.102	71.8	57.3-136	12.8	20	L705715-03	WG727960
1,2,3-Trichlorobenzene	mg/kg	0.0235	0.0403	18.8*	59.1-138	52.8*	23.7	L705715-03	WG727960
1,2,3-Trichloropropane	mg/kg	0.102	0.0991	81.4	61.4-128	2.67	22.4	L705715-03	WG727960
1,2,3-Trimethylbenzene	mg/kg	0.0433	0.0531	34.4*	61.3-122	20.2*	20	L705715-03	WG727960
1,2,4-Trichlorobenzene	mg/kg	0.0239	0.0396	19.2*	63.6-143	49.3*	21.9	L705715-03	WG727960
1,2,4-Trimethylbenzene	mg/kg	0.0367	0.0446	29.4*	57.4-137	19.3	20	L705715-03	WG727960
1,2-Dibromo-3-Chloropropane	mg/kg	0.0926	0.0973	74.0	57.3-136	5.00	27	L705715-03	WG727960
1,2-Dibromoethane	mg/kg	0.102	0.0982	81.4	67.1-125	3.50	20	L705715-03	WG727960
1,2-Dichlorobenzene	mg/kg	0.0506	0.0601	40.5*	68.2-123	17.3	20	L705715-03	WG727960
1,2-Dichloroethane	mg/kg	0.117	0.129	93.3	60-126	10.4	20	L705715-03	WG727960
1,2-Dichloropropane	mg/kg	0.118	0.124	94.1	64.2-123	5.31	20	L705715-03	WG727960
1,3,5-Trimethylbenzene	mg/kg	0.0397	0.0476	31.7*	63.6-132	18.3	20.5	L705715-03	WG727960
1,3-Dichlorobenzene	mg/kg	0.0445	0.0517	35.6*	63.1-131	14.9	20	L705715-03	WG727960
1,3-Dichloropropane	mg/kg	0.102	0.100	81.6	67.9-121	1.70	20	L705715-03	WG727960
1,4-Dichlorobenzene	mg/kg	0.0475	0.0532	38.0*	68.6-123	11.5	20	L705715-03	WG727960
2,2-Dichloropropane	mg/kg	0.117	0.140	93.9	50.5-144	17.7	21.9	L705715-03	WG727960
2-Butanone (MEK)	mg/kg	0.622	0.568	99.4	22.4-138	8.98	27	L705715-03	WG727960
2-Chloroethyl vinyl ether	mg/kg	0.551	0.549	88.2	10-155	0.400	40	L705715-03	WG727960
2-Chlorotoluene	mg/kg	0.0506	0.0625	40.5*	63.6-128	21.0*	20	L705715-03	WG727960
4-Chlorotoluene	mg/kg	0.0514	0.0572	41.1*	65.7-127	10.7	20	L705715-03	WG727960
4-Methyl-2-pentanone (MIBK)	mg/kg	0.535	0.557	85.6	60.8-140	4.00	25.1	L705715-03	WG727960
Acetone	mg/kg	0.537	0.587	84.9	10-130	8.82	27.9	L705715-03	WG727960
Acrylonitrile	mg/kg	0.594	0.669	95.0	49.4-133	12.0	25.3	L705715-03	WG727960
Benzene	mg/kg	0.105	0.118	83.6	54.3-133	12.5	20	L705715-03	WG727960
Bromobenzene	mg/kg	0.0609	0.0649	48.7*	63.9-124	6.36	20	L705715-03	WG727960
Bromodichloromethane	mg/kg	0.104	0.112	83.0	63.9-121	7.60	20	L705715-03	WG727960
Bromoform	mg/kg	0.0875	0.0905	70.0	59.5-134	3.36	20.8	L705715-03	WG727960
Bromomethane	mg/kg	0.110	0.125	88.3	41.7-155	12.5	20.5	L705715-03	WG727960
Carbon tetrachloride	mg/kg	0.0950	0.110	76.0	55.7-134	14.8	20.3	L705715-03	WG727960
Chlorobenzene	mg/kg	0.0766	0.0793	61.3*	67-125	3.42	20	L705715-03	WG727960
Chlorodibromomethane	mg/kg	0.101	0.100	80.6	64.3-125	0.620	20	L705715-03	WG727960
Chloroethane	mg/kg	0.112	0.129	89.2	51.5-136	14.7	20.8	L705715-03	WG727960
Chloroform	mg/kg	0.111	0.127	88.5	63-129	13.4	20	L705715-03	WG727960
Chloromethane	mg/kg	0.119	0.138	95.4	42.4-135	14.5	20	L705715-03	WG727960
cis-1,2-Dichloroethene	mg/kg	0.111	0.126	89.2	59.2-129	12.2	20	L705715-03	WG727960
cis-1,3-Dichloropropene	mg/kg	0.105	0.108	84.3	66.4-125	2.21	20	L705715-03	WG727960
Di-isopropyl ether	mg/kg	0.120	0.138	96.0	56.9-136	14.2	20	L705715-03	WG727960
Dibromomethane	mg/kg	0.116	0.120	93.1	68.2-124	2.82	20	L705715-03	WG727960
Dichlorodifluoromethane	mg/kg	0.123	0.144	98.5	40.6-144	15.5	20.2	L705715-03	WG727960
Ethylbenzene	mg/kg	0.0595	0.0629	47.6*	61.4-133	5.59	20	L705715-03	WG727960
Hexachloro-1,3-butadiene	mg/kg	0.0137	0.0229	11.0*	55.1-136	50.0*	23.6	L705715-03	WG727960
Isopropylbenzene	mg/kg	0.0467	0.0541	37.3*	66.8-141	14.8	20	L705715-03	WG727960
Methyl tert-butyl ether	mg/kg	0.117	0.129	93.5	57.7-134	10.1	20	L705715-03	WG727960
Methylene Chloride	mg/kg	0.110	0.127	87.4	58.1-122	14.2	20	L705715-03	WG727960
n-Butylbenzene	mg/kg	0.0304	0.0406	24.3*	62.7-140	28.8*	20	L705715-03	WG727960
n-Propylbenzene	mg/kg	0.0424	0.0496	33.9	10-176	15.5	26.6	L705715-03	WG727960
Naphthalene	mg/kg	0.0397	0.0515	30.2*	58-135	25.8*	25.5	L705715-03	WG727960
p-Isopropyltoluene	mg/kg	0.0305	0.0395	24.4*	63.2-139	25.8*	20.4	L705715-03	WG727960
sec-Butylbenzene	mg/kg	0.0314	0.0394	25.1*	62.2-136	22.6*	20.3	L705715-03	WG727960
Styrene	mg/kg	0.0666	0.0719	53.3*	66.8-133	7.67	20	L705715-03	WG727960
tert-Butylbenzene	mg/kg	0.0377	0.0455	30.1*	63.3-134	18.9	20.3	L705715-03	WG727960
Tetrachloroethene	mg/kg	0.0616	0.0676	49.3*	53-139	9.28	20	L705715-03	WG727960
Toluene	mg/kg	0.0861	0.0911	68.9	61.4-130	5.68	20	L705715-03	WG727960
trans-1,2-Dichloroethene	mg/kg	0.113	0.129	90.1	56.5-129	13.2	20	L705715-03	WG727960

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,3-Dichloropropene	mg/kg	0.0990	0.100	79.2	64.1-128	1.13	20	L705715-03	WG727960
Trichloroethene	mg/kg	0.0948	0.0996	75.8	44.1-149	5.01	20	L705715-03	WG727960
Trichlorofluoromethane	mg/kg	0.105	0.121	83.8	49.6-145	14.7	21.2	L705715-03	WG727960
Vinyl chloride	mg/kg	0.116	0.136	92.8	47.8-137	16.1	20	L705715-03	WG727960
Xylenes, Total	mg/kg	0.180	0.191	47.9*	63.3-131	6.11	20	L705715-03	WG727960
4-Bromofluorobenzene				98.60	71-126				WG727960
Dibromofluoromethane				98.20	78.3-121				WG727960
Toluene-d8				102.0	88.5-111				WG727960
1,1,1,2-Tetrachloroethane	mg/kg	0.123	0.121	98.4	64-128	2.06	20	L705309-01	WG727287
1,1,1-Trichloroethane	mg/kg	0.115	0.118	91.9	58.7-134	2.90	20	L705309-01	WG727287
1,1,2,2-Tetrachloroethane	mg/kg	0.129	0.129	103.	56-132	0.310	22.2	L705309-01	WG727287
1,1,2-Trichloroethane	mg/kg	0.117	0.119	93.9	66.3-125	1.28	20	L705309-01	WG727287
1,1,2-Trichlorotrifluoroethane	mg/kg	0.108	0.113	86.2	54.8-154	4.73	22.5	L705309-01	WG727287
1,1-Dichloroethane	mg/kg	0.111	0.114	88.8	58.5-132	2.89	20	L705309-01	WG727287
1,1-Dichloroethene	mg/kg	0.119	0.127	95.4	51.1-140	6.13	20.2	L705309-01	WG727287
1,1-Dichloropropene	mg/kg	0.108	0.110	86.1	57.3-136	2.25	20	L705309-01	WG727287
1,2,3-Trichlorobenzene	mg/kg	0.0614	0.0666	49.1*	59.1-138	8.10	23.7	L705309-01	WG727287
1,2,3-Trichloropropane	mg/kg	0.136	0.132	109.	61.4-128	3.63	22.4	L705309-01	WG727287
1,2,3-Trimethylbenzene	mg/kg	0.0945	0.0980	75.6	61.3-122	3.62	20	L705309-01	WG727287
1,2,4-Trichlorobenzene	mg/kg	0.0608	0.0665	48.6*	63.6-143	9.07	21.9	L705309-01	WG727287
1,2,4-Trimethylbenzene	mg/kg	0.102	0.106	81.3	57.4-137	4.06	20	L705309-01	WG727287
1,2-Dibromo-3-Chloropropane	mg/kg	0.113	0.109	90.3	57.3-136	3.85	27	L705309-01	WG727287
1,2-Dibromoethane	mg/kg	0.125	0.129	100.	67.1-125	3.07	20	L705309-01	WG727287
1,2-Dichlorobenzene	mg/kg	0.0898	0.0934	71.8	68.2-123	3.94	20	L705309-01	WG727287
1,2-Dichloroethane	mg/kg	0.119	0.117	95.2	60-126	1.81	20	L705309-01	WG727287
1,2-Dichloropropane	mg/kg	0.120	0.122	95.9	64.2-123	1.64	20	L705309-01	WG727287
1,3,5-Trimethylbenzene	mg/kg	0.103	0.107	82.2	63.6-132	4.52	20.5	L705309-01	WG727287
1,3-Dichlorobenzene	mg/kg	0.0952	0.103	76.2	63.1-131	8.23	20	L705309-01	WG727287
1,3-Dichloropropane	mg/kg	0.116	0.120	92.8	67.9-121	3.01	20	L705309-01	WG727287
1,4-Dichlorobenzene	mg/kg	0.0901	0.0960	72.1	68.6-123	6.37	20	L705309-01	WG727287
2,2-Dichloropropane	mg/kg	0.116	0.117	93.0	50.5-144	0.550	21.9	L705309-01	WG727287
2-Butanone (MEK)	mg/kg	0.650	0.650	104.	22.4-138	0.0700	27	L705309-01	WG727287
2-Chloroethyl vinyl ether	mg/kg	0.596	0.635	95.3	10-155	6.33	40	L705309-01	WG727287
2-Chlorotoluene	mg/kg	0.105	0.109	84.1	63.6-128	3.71	20	L705309-01	WG727287
4-Chlorotoluene	mg/kg	0.0997	0.105	79.8	65.7-127	5.15	20	L705309-01	WG727287
4-Methyl-2-pentanone (MIBK)	mg/kg	0.757	0.729	121.	60.8-140	3.83	25.1	L705309-01	WG727287
Acetone	mg/kg	0.597	0.581	86.1	10-130	2.66	27.9	L705309-01	WG727287
Acrylonitrile	mg/kg	0.574	0.563	91.8	49.4-133	2.02	25.3	L705309-01	WG727287
Benzene	mg/kg	0.103	0.107	82.6	54.3-133	3.75	20	L705309-01	WG727287
Bromobenzene	mg/kg	0.105	0.109	83.8	63.9-124	3.95	20	L705309-01	WG727287
Bromodichloromethane	mg/kg	0.114	0.116	91.0	63.9-121	2.12	20	L705309-01	WG727287
Bromoform	mg/kg	0.132	0.132	106.	59.5-134	0.0	20.8	L705309-01	WG727287
Bromomethane	mg/kg	0.154	0.143	123.	41.7-155	7.38	20.5	L705309-01	WG727287
Carbon tetrachloride	mg/kg	0.110	0.114	87.8	55.7-134	3.96	20.3	L705309-01	WG727287
Chlorobenzene	mg/kg	0.113	0.119	90.1	67-125	5.60	20	L705309-01	WG727287
Chlorodibromomethane	mg/kg	0.121	0.124	96.6	64.3-125	2.70	20	L705309-01	WG727287
Chloroethane	mg/kg	0.136	0.134	109.	51.5-136	1.80	20.8	L705309-01	WG727287
Chloroform	mg/kg	0.107	0.111	85.9	63-129	3.28	20	L705309-01	WG727287
Chloromethane	mg/kg	0.0921	0.0955	73.6	42.4-135	3.67	20	L705309-01	WG727287
cis-1,2-Dichloroethene	mg/kg	0.106	0.109	84.7	59.2-129	2.77	20	L705309-01	WG727287
cis-1,3-Dichloropropene	mg/kg	0.114	0.120	91.5	66.4-125	4.85	20	L705309-01	WG727287
Di-isopropyl ether	mg/kg	0.116	0.116	92.9	56.9-136	0.170	20	L705309-01	WG727287
Dibromomethane	mg/kg	0.123	0.121	98.8	68.2-124	1.77	20	L705309-01	WG727287
Dichlorodifluoromethane	mg/kg	0.100	0.109	80.1	40.6-144	8.10	20.2	L705309-01	WG727287
Ethylbenzene	mg/kg	0.111	0.120	88.8	61.4-133	7.47	20	L705309-01	WG727287
Hexachloro-1,3-butadiene	mg/kg	0.0456	0.0530	36.5*	55.1-136	15.0	23.6	L705309-01	WG727287
Isopropylbenzene	mg/kg	0.108	0.114	86.5	66.8-141	5.23	20	L705309-01	WG727287

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Methyl tert-butyl ether	mg/kg	0.120	0.118	96.2	57.7-134	1.79	20	L705309-01	WG727287
Methylene Chloride	mg/kg	0.101	0.102	79.7	58.1-122	1.09	20	L705309-01	WG727287
n-Butylbenzene	mg/kg	0.0687	0.0753	55.0*	62.7-140	9.09	20	L705309-01	WG727287
n-Propylbenzene	mg/kg	0.0970	0.104	77.6	10-176	7.18	26.6	L705309-01	WG727287
Naphthalene	mg/kg	0.0767	0.0794	60.9	58-135	3.46	25.5	L705309-01	WG727287
p-Isopropyltoluene	mg/kg	0.0931	0.0995	74.5	63.2-139	6.61	20.4	L705309-01	WG727287
sec-Butylbenzene	mg/kg	0.0931	0.0984	74.4	62.2-136	5.57	**20.3**	L705309-01	WG727287
Styrene	mg/kg	0.112	0.121	89.6	66.8-133	7.35	20	L705309-01	WG727287
tert-Butylbenzene	mg/kg	0.103	0.109	82.2	63.3-134	6.09	20.3	L705309-01	WG727287
Tetrachloroethene	mg/kg	0.108	0.114	86.2	53-139	5.97	20	L705309-01	WG727287
Toluene	mg/kg	0.107	0.115	85.8	61.4-130	6.53	20	L705309-01	WG727287
trans-1,2-Dichloroethene	mg/kg	0.105	0.108	83.7	56.5-129	2.92	20	L705309-01	WG727287
trans-1,3-Dichloropropene	mg/kg	0.120	0.131	95.6	64.1-128	9.50	20	L705309-01	WG727287
Trichloroethene	mg/kg	0.116	0.115	92.7	44.1-149	0.540	20	L705309-01	WG727287
Trichlorofluoromethane	mg/kg	0.132	0.138	106.	49.6-145	4.20	21.2	L705309-01	WG727287
Vinyl chloride	mg/kg	0.105	0.100	84.2	47.8-137	4.86	20	L705309-01	WG727287
Xylenes, Total	mg/kg	0.331	0.353	88.2	63.3-131	6.42	20	L705309-01	WG727287
4-Bromofluorobenzene				98.60	71-126				WG727287
Dibromofluoromethane				94.30	78.3-121				WG727287
Toluene-d8				99.30	88.5-111				WG727287
Arsenic	mg/kg	56.4	54.2	94.3	75-125	4.00	20	L705269-16	WG727715
Barium	mg/kg	149.	140.	96.3	75-125	6.00	20	L705269-16	WG727715
Cadmium	mg/kg	49.4	50.0	97.6	75-125	1.00	20	L705269-16	WG727715
Chromium	mg/kg	67.1	66.2	94.5	75-125	1.00	20	L705269-16	WG727715
Lead	mg/kg	121.	151.	97.9	75-125	22.0*	20	L705269-16	WG727715
Selenium	mg/kg	39.4	37.7	82.6	75-125	4.00	20	L705269-16	WG727715
Silver	mg/kg	47.8	45.9	94.3	75-125	4.00	20	L705269-16	WG727715
PCB 1016	mg/kg	0.129	0.130	77.2	23.5-134	0.790	25.8	L705269-07	WG727931
PCB 1260	mg/kg	0.119	0.124	71.0	16.1-139	4.52	25.9	L705269-07	WG727931
Decachlorobiphenyl				81.40	10-145				WG727931
Tetrachloro-m-xylene				101.0	21.1-148				WG727931
Lead	mg/kg	54.9	57.2	95.1	75-125	4.00	20	L705269-04	WG727984
Extractable Petroleum Hydrocarbon	mg/kg	44.0	44.1	73.3	50-100	0.290	20	L705269-07	WG727821
o-Terphenyl				72.50	50-150				WG727821
1,1,1,2-Tetrachloroethane	mg/kg	0.111	0.119	88.8	64-128	6.89	20	L706124-09	WG728250
1,1,1-Trichloroethane	mg/kg	0.107	0.117	85.6	58.7-134	9.31	20	L706124-09	WG728250
1,1,2,2-Tetrachloroethane	mg/kg	0.107	0.115	86.0	56-132	7.03	22.2	L706124-09	WG728250
1,1,2-Trichloroethane	mg/kg	0.115	0.123	91.9	66.3-125	6.72	20	L706124-09	WG728250
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0993	0.108	79.4	54.8-154	8.18	22.5	L706124-09	WG728250
1,1-Dichloroethane	mg/kg	0.108	0.119	86.6	58.5-132	9.07	20	L706124-09	WG728250
1,1-Dichloroethene	mg/kg	0.108	0.115	86.1	51.1-140	6.43	20.2	L706124-09	WG728250
1,1-Dichloropropene	mg/kg	0.102	0.109	81.8	57.3-136	5.91	20	L706124-09	WG728250
1,2,3-Trichlorobenzene	mg/kg	0.0877	0.0933	70.1	59.1-138	6.19	23.7	L706124-09	WG728250
1,2,3-Trichloropropane	mg/kg	0.116	0.126	92.9	61.4-128	8.35	22.4	L706124-09	WG728250
1,2,3-Trimethylbenzene	mg/kg	0.103	0.113	82.8	61.3-122	8.44	20	L706124-09	WG728250
1,2,4-Trichlorobenzene	mg/kg	0.0869	0.0959	69.5	63.6-143	9.79	21.9	L706124-09	WG728250
1,2,4-Trimethylbenzene	mg/kg	0.100	0.106	80.3	57.4-137	5.01	20	L706124-09	WG728250
1,2-Dibromo-3-Chloropropane	mg/kg	0.0970	0.103	77.6	57.3-136	6.07	27	L706124-09	WG728250
1,2-Dibromoethane	mg/kg	0.116	0.121	93.0	67.1-125	3.93	20	L706124-09	WG728250

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Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dichlorobenzene	mg/kg	0.104	0.115	83.5	68.2-123	9.55	20	L706124-09	WG728250
1,2-Dichloroethane	mg/kg	0.110	0.120	88.0	60-126	8.97	20	L706124-09	WG728250
1,2-Dichloropropane	mg/kg	0.104	0.116	79.2	64.2-123	11.1	20	L706124-09	WG728250
1,3,5-Trimethylbenzene	mg/kg	0.103	0.108	82.3	63.6-132	4.91	20.5	L706124-09	WG728250
1,3-Dichlorobenzene	mg/kg	0.105	0.110	84.2	63.1-131	4.63	20	L706124-09	WG728250
1,3-Dichloropropane	mg/kg	0.112	0.118	89.2	67.9-121	5.92	20	L706124-09	WG728250
1,4-Dichlorobenzene	mg/kg	0.103	0.112	82.6	68.6-123	7.75	20	L706124-09	WG728250
2,2-Dichloropropane	mg/kg	0.106	0.114	84.5	50.5-144	7.93	21.9	L706124-09	WG728250
2-Butanone (MEK)	mg/kg	0.514	0.541	82.0	22.4-138	5.21	27	L706124-09	WG728250
2-Chloroethyl vinyl ether	mg/kg	0.590	0.635	94.3	10-155	7.46	40	L706124-09	WG728250
2-Chlorotoluene	mg/kg	0.105	0.111	83.8	63.6-128	5.97	20	L706124-09	WG728250
4-Chlorotoluene	mg/kg	0.101	0.108	81.0	65.7-127	6.20	20	L706124-09	WG728250
4-Methyl-2-pentanone (MIBK)	mg/kg	0.563	0.600	90.1	60.8-140	6.31	25.1	L706124-09	WG728250
Acetone	mg/kg	0.503	0.531	79.0	10-130	5.39	27.9	L706124-09	WG728250
Acrylonitrile	mg/kg	0.517	0.537	82.7	49.4-133	3.78	25.3	L706124-09	WG728250
Benzene	mg/kg	0.108	0.116	86.1	54.3-133	7.52	20	L706124-09	WG728250
Bromobenzene	mg/kg	0.104	0.110	82.8	63.9-124	6.48	20	L706124-09	WG728250
Bromodichloromethane	mg/kg	0.108	0.117	86.2	63.9-121	8.35	20	L706124-09	WG728250
Bromoform	mg/kg	0.112	0.117	89.5	59.5-134	4.46	20.8	L706124-09	WG728250
Bromomethane	mg/kg	0.161	0.163	128.	41.7-155	1.68	20.5	L706124-09	WG728250
Carbon tetrachloride	mg/kg	0.106	0.114	84.6	55.7-134	7.52	20.3	L706124-09	WG728250
Chlorobenzene	mg/kg	0.115	0.121	92.2	67-125	5.25	20	L706124-09	WG728250
Chlorodibromomethane	mg/kg	0.112	0.120	89.4	64.3-125	7.52	20	L706124-09	WG728250
Chloroethane	mg/kg	0.127	0.135	102.	51.5-136	6.28	20.8	L706124-09	WG728250
Chloroform	mg/kg	0.108	0.117	86.3	63-129	8.18	20	L706124-09	WG728250
Chloromethane	mg/kg	0.108	0.110	86.6	42.4-135	1.38	20	L706124-09	WG728250
cis-1,2-Dichloroethene	mg/kg	0.114	0.126	91.1	59.2-129	10.4	20	L706124-09	WG728250
cis-1,3-Dichloropropene	mg/kg	0.108	0.118	86.5	66.4-125	8.36	20	L706124-09	WG728250
Di-isopropyl ether	mg/kg	0.106	0.115	84.8	56.9-136	8.45	20	L706124-09	WG728250
Dibromomethane	mg/kg	0.114	0.125	91.6	68.2-124	9.03	20	L706124-09	WG728250
Dichlorodifluoromethane	mg/kg	0.108	0.117	86.2	40.6-144	8.14	20.2	L706124-09	WG728250
Ethylbenzene	mg/kg	0.107	0.113	85.8	61.4-133	5.37	20	L706124-09	WG728250
Hexachloro-1,3-butadiene	mg/kg	0.0669	0.0685	53.6*	55.1-136	2.31	23.6	L706124-09	WG728250
Isopropylbenzene	mg/kg	0.104	0.108	83.4	66.8-141	3.90	20	L706124-09	WG728250
Methyl tert-butyl ether	mg/kg	0.114	0.124	91.3	57.7-134	7.88	20	L706124-09	WG728250
Methylene Chloride	mg/kg	0.115	0.124	92.0	58.1-122	7.37	20	L706124-09	WG728250
n-Butylbenzene	mg/kg	0.0806	0.0865	64.5	62.7-140	7.04	20	L706124-09	WG728250
n-Propylbenzene	mg/kg	0.0992	0.103	79.4	10-176	3.40	26.6	L706124-09	WG728250
Naphthalene	mg/kg	0.0958	0.102	76.4	58-135	6.38	25.5	L706124-09	WG728250
p-Isopropyltoluene	mg/kg	0.0924	0.0960	73.9	63.2-139	3.79	20.4	L706124-09	WG728250
sec-Butylbenzene	mg/kg	0.0949	0.0989	75.9	62.2-136	4.16	20.3	L706124-09	WG728250
Styrene	mg/kg	0.111	0.117	88.6	66.8-133	5.73	20	L706124-09	WG728250
tert-Butylbenzene	mg/kg	0.0975	0.102	78.0	63.3-134	4.87	20.3	L706124-09	WG728250
Tetrachloroethene	mg/kg	0.108	0.115	86.2	53-139	6.18	20	L706124-09	WG728250
Toluene	mg/kg	0.106	0.115	84.5	61.4-130	8.04	20	L706124-09	WG728250
trans-1,2-Dichloroethene	mg/kg	0.110	0.118	87.8	56.5-129	7.33	20	L706124-09	WG728250
trans-1,3-Dichloropropene	mg/kg	0.112	0.119	88.2	64.1-128	5.77	20	L706124-09	WG728250
Trichloroethene	mg/kg	0.110	0.121	88.1	44.1-149	9.72	20	L706124-09	WG728250
Trichlorofluoromethane	mg/kg	0.114	0.123	91.2	49.6-145	8.02	21.2	L706124-09	WG728250
Vinyl chloride	mg/kg	0.107	0.112	85.9	47.8-137	4.32	20	L706124-09	WG728250
Xylenes, Total	mg/kg	0.323	0.338	86.0	63.3-131	4.69	20	L706124-09	WG728250
4-Bromofluorobenzene				94.80	71-126				WG728250
Dibromofluoromethane				96.80	78.3-121				WG728250
Toluene-d8				96.60	88.5-111				WG728250
TPH (GC/FID) Low Fraction	mg/kg	0.469	0.546	44.3*	50-100	15.2	20	L705269-07	WG727346
a,a,a-Trifluorotoluene(FID)				106.0	50-150				WG727346

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Quality Assurance Report
Level II

L705269

July 15, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Acenaphthene	mg/kg	0.310	0.317	77.5	48.3-126	2.22	20	L705938-01	WG728031
Acenaphthylene	mg/kg	0.323	0.324	80.8	48.7-128	0.320	20	L705938-01	WG728031
Anthracene	mg/kg	0.327	0.313	81.7	41-133	4.36	20	L705938-01	WG728031
Benzo(a)anthracene	mg/kg	0.314	0.299	78.6	31.6-136	4.86	20	L705938-01	WG728031
Benzo(a)pyrene	mg/kg	0.305	0.301	76.1	28-137	1.30	20.5	L705938-01	WG728031
Benzo(b)fluoranthene	mg/kg	0.301	0.313	75.2	24-134	4.10	24.3	L705938-01	WG728031
Benzo(g,h,i)perylene	mg/kg	0.258	0.278	64.6	19.1-139	7.23	23.4	L705938-01	WG728031
Benzo(k)fluoranthene	mg/kg	0.323	0.289	80.6	30.4-134	10.9	24.7	L705938-01	WG728031
Chrysene	mg/kg	0.297	0.300	74.3	32.4-137	0.870	20	L705938-01	WG728031
Dibenz(a,h)anthracene	mg/kg	0.284	0.301	71.1	30.3-135	5.56	22.5	L705938-01	WG728031
Fluoranthene	mg/kg	0.337	0.326	84.3	32.8-139	3.45	20	L705938-01	WG728031
Fluorene	mg/kg	0.305	0.312	76.3	43-129	2.37	20	L705938-01	WG728031
Indeno(1,2,3-cd)pyrene	mg/kg	0.283	0.283	70.8	22.3-139	0.100	23.6	L705938-01	WG728031
Naphthalene	mg/kg	0.297	0.292	74.2	38.1-135	1.57	20	L705938-01	WG728031
Phenanthrene	mg/kg	0.327	0.311	81.7	36.2-134	5.00	20	L705938-01	WG728031
Pyrene	mg/kg	0.347	0.343	86.8	30.3-144	1.12	21.7	L705938-01	WG728031
2-Fluorobiphenyl				76.40	41.4-134				WG728031
Nitrobenzene-d5				77.90	28.3-148				WG728031
p-Terphenyl-d14				88.10	35.8-140				WG728031
1,1,1,2-Tetrachloroethane	mg/kg	0.129	0.130	103.	64-128	1.09	20	L705784-02	WG727848
1,1,1-Trichloroethane	mg/kg	0.108	0.110	86.6	58.7-134	1.26	20	L705784-02	WG727848
1,1,2,2-Tetrachloroethane	mg/kg	0.123	0.126	98.4	56-132	2.81	22.2	L705784-02	WG727848
1,1,2-Trichloroethane	mg/kg	0.129	0.129	103.	66.3-125	0.170	20	L705784-02	WG727848
1,1,2-Trichlorotrifluoroethane	mg/kg	0.101	0.107	81.0	54.8-154	5.10	22.5	L705784-02	WG727848
1,1-Dichloroethane	mg/kg	0.105	0.106	83.7	58.5-132	0.910	20	L705784-02	WG727848
1,1-Dichloroethene	mg/kg	0.0962	0.0987	76.9	51.1-140	2.56	20.2	L705784-02	WG727848
1,1-Dichloropropene	mg/kg	0.0998	0.104	79.8	57.3-136	4.29	20	L705784-02	WG727848
1,2,3-Trichlorobenzene	mg/kg	0.0881	0.0976	70.5	59.1-138	10.2	23.7	L705784-02	WG727848
1,2,3-Trichloropropane	mg/kg	0.125	0.127	100.	61.4-128	1.48	22.4	L705784-02	WG727848
1,2,3-Trimethylbenzene	mg/kg	0.0957	0.103	76.6	61.3-122	7.60	20	L705784-02	WG727848
1,2,4-Trichlorobenzene	mg/kg	0.0866	0.0964	69.3	63.6-143	10.7	21.9	L705784-02	WG727848
1,2,4-Trimethylbenzene	mg/kg	0.103	0.112	82.6	57.4-137	8.27	20	L705784-02	WG727848
1,2-Dibromo-3-Chloropropane	mg/kg	0.117	0.124	93.3	57.3-136	6.42	27	L705784-02	WG727848
1,2-Dibromoethane	mg/kg	0.129	0.130	103.	67.1-125	0.920	20	L705784-02	WG727848
1,2-Dichlorobenzene	mg/kg	0.102	0.110	81.5	68.2-123	7.54	20	L705784-02	WG727848
1,2-Dichloroethane	mg/kg	0.101	0.0993	80.7	60-126	1.62	20	L705784-02	WG727848
1,2-Dichloropropane	mg/kg	0.110	0.109	87.9	64.2-123	0.860	20	L705784-02	WG727848
1,3,5-Trimethylbenzene	mg/kg	0.105	0.114	83.7	63.6-132	8.17	20.5	L705784-02	WG727848
1,3-Dichlorobenzene	mg/kg	0.109	0.118	86.8	63.1-131	8.13	20	L705784-02	WG727848
1,3-Dichloropropane	mg/kg	0.119	0.118	95.1	67.9-121	0.320	20	L705784-02	WG727848
1,4-Dichlorobenzene	mg/kg	0.0935	0.103	74.8	68.6-123	9.75	20	L705784-02	WG727848
2,2-Dichloropropane	mg/kg	0.108	0.107	86.1	50.5-144	0.880	21.9	L705784-02	WG727848
2-Butanone (MEK)	mg/kg	0.487	0.496	76.8	22.4-138	1.74	27	L705784-02	WG727848
2-Chloroethyl vinyl ether	mg/kg	0.649	0.655	104.	10-155	0.960	40	L705784-02	WG727848
2-Chlorotoluene	mg/kg	0.113	0.120	90.1	63.6-128	6.65	20	L705784-02	WG727848
4-Chlorotoluene	mg/kg	0.101	0.108	80.5	65.7-127	7.18	20	L705784-02	WG727848
4-Methyl-2-pentanone (MIBK)	mg/kg	0.521	0.526	83.3	60.8-140	0.960	25.1	L705784-02	WG727848
Acetone	mg/kg	0.560	0.568	78.9	10-130	1.51	27.9	L705784-02	WG727848
Acrylonitrile	mg/kg	0.534	0.520	85.5	49.4-133	2.62	25.3	L705784-02	WG727848
Benzene	mg/kg	0.107	0.108	86.0	54.3-133	0.760	20	L705784-02	WG727848
Bromobenzene	mg/kg	0.101	0.106	80.7	63.9-124	5.00	20	L705784-02	WG727848
Bromodichloromethane	mg/kg	0.113	0.111	90.2	63.9-121	1.88	20	L705784-02	WG727848
Bromoform	mg/kg	0.136	0.138	109.	59.5-134	1.72	20.8	L705784-02	WG727848
Bromomethane	mg/kg	0.109	0.113	87.3	41.7-155	3.54	20.5	L705784-02	WG727848
Carbon tetrachloride	mg/kg	0.109	0.112	87.5	55.7-134	2.47	20.3	L705784-02	WG727848
Chlorobenzene	mg/kg	0.121	0.125	96.7	67-125	3.63	20	L705784-02	WG727848

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Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Chlorodibromomethane	mg/kg	0.132	0.132	105.	64.3-125	0.240	20	L705784-02	WG727848
Chloroethane	mg/kg	0.0947	0.0938	75.8	51.5-136	0.990	20.8	L705784-02	WG727848
Chloroform	mg/kg	0.106	0.108	84.5	63-129	1.80	20	L705784-02	WG727848
Chloromethane	mg/kg	0.0993	0.102	79.5	42.4-135	2.66	20	L705784-02	WG727848
cis-1,2-Dichloroethene	mg/kg	0.118	0.120	93.2	59.2-129	1.45	20	L705784-02	WG727848
cis-1,3-Dichloropropene	mg/kg	0.114	0.115	91.2	66.4-125	0.560	20	L705784-02	WG727848
Di-isopropyl ether	mg/kg	0.0966	0.0982	77.3	56.9-136	1.62	20	L705784-02	WG727848
Dibromomethane	mg/kg	0.120	0.116	95.8	68.2-124	3.31	20	L705784-02	WG727848
Dichlorodifluoromethane	mg/kg	0.106	0.109	84.6	40.6-144	3.32	20.2	L705784-02	WG727848
Ethylbenzene	mg/kg	0.120	0.127	96.0	61.4-133	5.29	20	L705784-02	WG727848
Hexachloro-1,3-butadiene	mg/kg	0.0641	0.0819	51.3*	55.1-136	24.3*	23.6	L705784-02	WG727848
Isopropylbenzene	mg/kg	0.110	0.118	88.2	66.8-141	6.56	20	L705784-02	WG727848
Methyl tert-butyl ether	mg/kg	0.109	0.110	87.0	57.7-134	0.880	20	L705784-02	WG727848
Methylene Chloride	mg/kg	0.109	0.110	87.1	58.1-122	1.08	20	L705784-02	WG727848
n-Butylbenzene	mg/kg	0.0802	0.0909	64.2	62.7-140	12.5	20	L705784-02	WG727848
n-Propylbenzene	mg/kg	0.103	0.113	82.6	10-176	8.82	26.6	L705784-02	WG727848
Naphthalene	mg/kg	0.0970	0.103	77.6	58-135	5.81	25.5	L705784-02	WG727848
p-Isopropyltoluene	mg/kg	0.102	0.113	81.3	63.2-139	10.9	20.4	L705784-02	WG727848
sec-Butylbenzene	mg/kg	0.0993	0.110	79.5	62.2-136	10.2	20.3	L705784-02	WG727848
Styrene	mg/kg	0.117	0.124	93.7	66.8-133	5.43	20	L705784-02	WG727848
tert-Butylbenzene	mg/kg	0.108	0.118	86.2	63.3-134	8.74	20.3	L705784-02	WG727848
Tetrachloroethene	mg/kg	0.120	0.128	95.8	53-139	6.39	20	L705784-02	WG727848
Toluene	mg/kg	0.111	0.112	88.9	61.4-130	0.290	20	L705784-02	WG727848
trans-1,2-Dichloroethene	mg/kg	0.115	0.117	92.3	56.5-129	1.42	20	L705784-02	WG727848
trans-1,3-Dichloropropene	mg/kg	0.132	0.130	105.	64.1-128	1.17	20	L705784-02	WG727848
Trichloroethene	mg/kg	0.117	0.120	93.8	44.1-149	2.73	20	L705784-02	WG727848
Trichlorofluoromethane	mg/kg	0.0985	0.105	78.8	49.6-145	6.56	21.2	L705784-02	WG727848
Vinyl chloride	mg/kg	0.0964	0.0993	77.1	47.8-137	2.94	20	L705784-02	WG727848
Xylenes, Total	mg/kg	0.352	0.364	93.7	63.3-131	3.49	20	L705784-02	WG727848
4-Bromofluorobenzene				97.20	71-126				WG727848
Dibromofluoromethane				90.30	78.3-121				WG727848
Toluene-d8				95.30	88.5-111				WG727848
Extractable Petroleum Hydrocarbon	mg/kg	48.7	51.5	81.1	50-100	5.64	20	L705269-26	WG728024
o-Terphenyl				82.70	50-150				WG728024
TPH (GC/FID) Low Fraction	mg/kg	0.503	0.573	48.8*	50-100	13.1	20	L705269-23	WG727349
a,a,a-Trifluorotoluene(FID)				88.20	50-150				WG727349
PCB 1016	mg/kg	0.134	0.122	80.4	23.5-134	9.66	25.8	L705269-13	WG728030
PCB 1260	mg/kg	0.121	0.116	72.4	16.1-139	4.55	25.9	L705269-13	WG728030
Decachlorobiphenyl				66.70	10-145				WG728030
Tetrachloro-m-xylene				86.60	21.1-148				WG728030
Acenaphthene	mg/kg	0.396	0.398	98.9	48.3-126	0.680	20	L705269-21	WG728071
Acenaphthylene	mg/kg	0.417	0.423	104.	48.7-128	1.59	20	L705269-21	WG728071
Anthracene	mg/kg	0.391	0.386	97.7	41-133	1.16	20	L705269-21	WG728071
Benzo(a)anthracene	mg/kg	0.368	0.360	92.1	31.6-136	2.22	20	L705269-21	WG728071
Benzo(a)pyrene	mg/kg	0.383	0.383	95.7	28-137	0.0300	20.5	L705269-21	WG728071
Benzo(b)fluoranthene	mg/kg	0.339	0.355	84.7	24-134	4.60	24.3	L705269-21	WG728071
Benzo(g,h,i)perylene	mg/kg	0.386	0.380	96.5	19.1-139	1.67	23.4	L705269-21	WG728071
Benzo(k)fluoranthene	mg/kg	0.372	0.350	93.0	30.4-134	6.24	24.7	L705269-21	WG728071
Chrysene	mg/kg	0.386	0.383	96.6	32.4-137	0.820	20	L705269-21	WG728071
Dibenz(a,h)anthracene	mg/kg	0.391	0.385	97.8	30.3-135	1.75	22.5	L705269-21	WG728071
Fluoranthene	mg/kg	0.361	0.348	90.4	32.8-139	3.88	20	L705269-21	WG728071

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Fluorene	mg/kg	0.387	0.384	96.7	43-129	0.770	20	L705269-21	WG728071
Indeno(1,2,3-cd)pyrene	mg/kg	0.381	0.376	95.4	22.3-139	1.35	23.6	L705269-21	WG728071
Naphthalene	mg/kg	0.378	0.375	94.5	38.1-135	0.930	20	L705269-21	WG728071
Phenanthrene	mg/kg	0.385	0.377	96.2	36.2-134	1.94	20	L705269-21	WG728071
Pyrene	mg/kg	0.390	0.381	97.6	30.3-144	2.41	21.7	L705269-21	WG728071
2-Fluorobiphenyl				101.0	41.4-134				WG728071
Nitrobenzene-d5				92.30	28.3-148				WG728071
p-Terphenyl-d14				112.0	35.8-140				WG728071
TPH (GC/FID) Low Fraction	mg/kg	0.321	0.480	31.3*	50-100	39.6*	20	L706639-02	WG728614
a,a,a-Trifluorotoluene(FID)				106.0	50-150				WG728614
TPH (GC/FID) Low Fraction	mg/kg	0.414	0.465	39.6*	50-100	11.4	20	L705269-22	WG728761
a,a,a-Trifluorotoluene(FID)				99.40	50-150				WG728761
Extractable Petroleum Hydrocarbon	mg/kg	57.8	63.0	90.0	50-100	8.56	20	L706006-02	WG728630
o-Terphenyl				70.60	50-150				WG728630

Post Spike

Serial Dilution

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

Serial Dilution

Batch number /Run number / Sample number cross reference

WG727143: R2944872: L705269-01 03 04 05 06 07 08 09 10 11 12 13
WG727205: R2944873: L705269-02 14 15 16 17 18 19 20 21 22 23 24 25
WG727265: R2945330: L705269-27
WG727286: R2945490: L705269-07 08 09 10 11 12 14 15 16 17
WG727502: R2946166 R2947389: L705269-01 02 03 04 05 06 07 08 09 10 11 12
WG727624: R2946167: L705269-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
WG727846: R2946248: L705269-01 02 19 20 21
WG727960: R2946607: L705269-13 18
WG727937: R2946828: L705269-13
WG727931: R2946866 R2947593: L705269-01 02 03 04 05 06 07 08 09 10 11
WG727287: R2946945: L705269-22 23 24 25
WG727715: R2947105: L705269-16 17 18 19 20 21 22 23 24 25
WG727984: R2947413 R2947488: L705269-04
WG727821: R2947586: L705269-01 02 03 04 05 06 07 08 09
WG728031: R2947909 R2948309: L705269-14 15 16 17 18 19 20
WG728250: R2947950: L705269-03 04 06 16 25
WG727346: R2948246: L705269-07 08 09 10 11 14 15 20
WG727848: R2948567: L705269-05 24
WG728024: R2948952: L705269-10 11 12 13 14 15 16 17 18 19 20 21 22 23
WG727349: R2949317: L705269-01 03 06 12 13 16 17 18 19 21 23 24 25
WG728030: R2949629: L705269-12 13 14 15 16 17 18 19 20 21 22 23 24 25
WG728071: R2949630: L705269-21 22 23 24 25
WG728614: R2949729: L705269-02 04
WG728761: R2950187: L705269-22
WG728630: R2951726 R2952710: L705269-24 25
WG730928: R2959558: L705269-24

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L705269

July 15, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #

P.O. #

Collected by (signature): Ralph L. Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of ~~3~~ 4

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YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L705269

Ta A165

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14 bm
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4ozClr-NoPres	GROTN,VOC Scan 2ozClr-NoPres	RCRA8 Metals 2ozClr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40mlAmb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-1 (2'-4')	G	SS	2'-4'	6/16/14	1130	6	X	X	X	X								-01
GP-1 (4'-7')		SS	4'-7'		1140	6	X	X	X	X								03
GP-2 (10'-15')		SS	10'-15'		1155	6	X	X	X	X							1687 ppm	03
GP-5 (5'-7')		SS	5'-7'		1223	6	X	X	X	X								04
GP-6 (7.5-10')		SS	7.5-10'		1350	6	X	X	X	X								05
GP-6 (12.5'-15.0')		SS	12.5-15'		1405	6	X	X	X	X								06
GP-7 (7.5'-10.0')		SS	7.5-10'		1237	6	X	X	X	X								07
GP-7 (15-17.5')		SS	15'-17.5'		1320	6	X	X	X	X								08
GP-8 (2.5'-5.0')		SS	2.5-5'		1420	6	X	X	X	X								09
GP-9 (7.5-10')		SS	7.5-10		1437	6	X	X	X	X							1123 ppm	10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please Indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Ralph L. Russell	6-17-14	16:50			AK m3
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: ~~16~~ 169	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by: (Signature)	Date: 6-17-14	Time: 17:00	Received for lab by: (Signature)	Date: 6/18/14 Time: 0700	pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: SANITARY Laundry

City/State Collected: KNOXVILLE, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph C. Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L705269

Table #

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4oz Clr-NoPres	GROTN,VOC Scan 2oz Clr-NoPres	RCRA8 Metals 2oz Clr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40ml Amb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-9 (15'-18')	G	SS	15'-18'	6/12/18	1440	6	X	X	X	X							1379 ppm	11
GP-10 (5'-10')	↓	SS	5'-10'	↓	1510	6	X	X	X	X								12
GP-10 (10'-13')		SS	10'-13'		1500	6	X	X	X	X							1025 ppm	13
GP-11 (5'-7.5')		SS	5'-7.5'		1532	6	X	X	X	X								14
GP-11 (11-12')		SS	11'-12'		1543	6	X	X	X	X							2158 ppm	15
GP-12 (5'-10')		SS	5'-10'		1600	6	X	X	X	X								16
GP-12 (10'-13.5')		SS	10'-13.5'		1608	5	X	X	X	X								17
GP-13 (0.6-5.0')		SS	0.6-5'		1623	5	X	X	X	X								18
GP-13 (10'-11')		SS	10'-11'		1631	6	X	X	X	X								19
GP-14 (5'-9')		SS	5'-9'	↓	1700	6	X	X	X	X								20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks: Please indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
[signature]	6-17-14	16:50	[signature]
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
[signature]	6-17-14	17:00	[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 31 °C Bottles Received: 169

Date: 6/18/14 Time: 0700

Hold #

Condition: (lab use only)

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph L Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3 4

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L703269

Table #

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14 Gm
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4ozClr-NoPres	GROTN,VOC Scan 2ozClr-NoPres	RCRA8 Metals 2ozClr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40mlAmb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-3 (4'-6')	G	SS	4'-6'	6-17-14	914	6	X	X	X	X								21
GP-4 (0'-5')	|	SS	0'-5'	|	952	6	X	X	X	X								22
GP-4 (12.5'-15')	|	SS	12.5'-15'	|	1008	6	X	X	X	X								23
GP-15 (1'-2')	|	SS	1'-2'	|	751	6	X	X	X	X								24
GP-15 (5'-7.5')	|	SS	5'-7.5'	|	759	6	X	X	X	X								25
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Ralph L Russell	6-17-14	16:50			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 7.1 °C Bottles Received: 144	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date: 6-17-14	Time: 17:00	Received for lab by: (Signature)	Date: 6/18/14 Time: 07:00	pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 4 of 4

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L# 1705269
Table #
Acctnum: SME
Template: T80982
Prelogin: P872533
TSR: 690 - Tom Mullette
PB: 6-16-14 6m
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4oz Clr-NoPres	GROTN,VOC Scan 2oz Clr-NoPres	RCRA8 Metals 2oz Clr-NoPres	VB260 40ml/NaBiS/Syr/MeOH	VB260 40ml Amb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
		SS				6	X	X	X	X								
FIELD DUP	G	SS	—	6-16-14	—	6	X	X	X	X								26
MATRIX SPIKE GP-7	G	SS	7.5'-10'	6-16-14	1250	6	X	X	X	X								-07
MATRIX SPIKE DUP GP-7	G	SS	7.5'-10'	6-16-14	1250	6	X	X	X	X								-07
TRIP BLANK	—	GW	—	—	—	2					X							27
						2												

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please Indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Ralph L Russell	6-17-14	16:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
	6-17-14	17:00	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 15

Date: 6/18/14 Time: 9:00

Hold #

Condition: (lab use only) ok

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

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Est. 1970

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Tuesday July 01, 2014

Report Number: L706111
Samples Received: 06/21/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-01

Sample ID : PZ-4

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0052	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.39	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.048	0.010	mg/l	6010B	06/26/14	1
Lead	0.050	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	79.5		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	0.0016	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-01 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-01

Sample ID : PZ-4

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	0.0013	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.068	0.0010	mg/l	8260B	06/25/14	1
trans-1,2-Dichloroethene	0.037	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.0010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.010	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.0050	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/25/14	1
Naphthalene	BDL	0.0010	mg/l	8260B	06/25/14	1
n-Propylbenzene	BDL	0.0050	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	0.0030	0.0010	mg/l	8260B	06/25/14	1
Toluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichlorofluoromethane	0.024	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	0.0028	0.0010	mg/l	8260B	06/25/14	1
Surrogate Recovery	BDL	0.0030	mg/l	8260B	06/25/14	1
Toluene-d8	99.4		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	97.2		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-01 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-4

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

ESC Sample # : L706111-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.57	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	88.5		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthene	0.000092	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Naphthalene	0.0012	0.00025	mg/l	8270C-SIM	06/27/14	1
Phenanthrene	0.00012	0.000050	mg/l	8270C-SIM	06/27/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Surrogate Recovery						
Nitrobenzene-d5	113.		% Rec.	8270C-SIM	06/27/14	1
2-Fluorobiphenyl	111.		% Rec.	8270C-SIM	06/27/14	1
p-Terphenyl-d14	103.		% Rec.	8270C-SIM	06/27/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	101.		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-01 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0037	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.36	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.064	0.010	mg/l	6010B	06/26/14	1
Lead	0.038	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	1.3	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	89.7		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	0.0030	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	0.022	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-02 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	0.0010	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.56	0.10	mg/l	8260B	06/26/14	100
trans-1,2-Dichloroethene	0.0038	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	4.7	0.10	mg/l	8260B	06/26/14	100
Toluene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	0.47	0.10	mg/l	8260B	06/26/14	100
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	0.020	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/25/14	1
Surrogate Recovery						
Toluene-d8	93.9		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	92.3		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	88.4		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-02 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.93	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	88.9		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Naphthalene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Phenanthrene	BDL	0.00025	mg/l	8270C-SIM	06/27/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.7		% Rec.	8270C-SIM	06/27/14	1
2-Fluorobiphenyl	99.3		% Rec.	8270C-SIM	06/27/14	1
p-Terphenyl-d14	76.4		% Rec.	8270C-SIM	06/27/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	97.2		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	95.5		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-02 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-03

Sample ID : PZ-9

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.11	0.050	mg/l	6020	06/27/14	50
Mercury	0.0011	0.00020	mg/l	7470A	06/23/14	1
Barium	2.8	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.63	0.010	mg/l	6010B	06/26/14	1
Lead	0.40	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.10	mg/l	6010B	06/26/14	5
Silver	BDL	0.050	mg/l	6010B	06/26/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.87	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	66.6		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	0.50	mg/l	8260B	06/27/14	10
Acrolein	BDL	0.50	mg/l	8260B	06/27/14	10
Acrylonitrile	BDL	0.10	mg/l	8260B	06/27/14	10
Benzene	BDL	0.0033	mg/l	8260B	06/27/14	10
Bromobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	06/27/14	10
Bromoform	BDL	0.010	mg/l	8260B	06/27/14	10
Bromomethane	BDL	0.050	mg/l	8260B	06/27/14	10
n-Butylbenzene	0.025	0.010	mg/l	8260B	06/27/14	10
sec-Butylbenzene	0.047	0.010	mg/l	8260B	06/27/14	10
tert-Butylbenzene	0.031	0.010	mg/l	8260B	06/27/14	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	06/27/14	10
Chlorobenzene	0.081	0.010	mg/l	8260B	06/27/14	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	06/27/14	10
Chloroethane	BDL	0.050	mg/l	8260B	06/27/14	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	06/27/14	10
Chloroform	BDL	0.050	mg/l	8260B	06/27/14	10
Chloromethane	BDL	0.025	mg/l	8260B	06/27/14	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	06/27/14	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	06/27/14	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	06/27/14	10
Dibromomethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	06/27/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-03

Sample ID : PZ-9

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	06/27/14	10
Ethylbenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8260B	06/27/14	10
Isopropylbenzene	0.033	0.010	mg/l	8260B	06/27/14	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	06/27/14	10
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/27/14	10
Methylene Chloride	BDL	0.050	mg/l	8260B	06/27/14	10
4-Methyl-2-pentanone (MIBK)	BDL	0.10	mg/l	8260B	06/27/14	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/27/14	10
Naphthalene	BDL	0.050	mg/l	8260B	06/27/14	10
n-Propylbenzene	0.075	0.010	mg/l	8260B	06/27/14	10
Styrene	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2-Trichlorotrifluoroethane	BDL	0.010	mg/l	8260B	06/27/14	10
Tetrachloroethene	0.0050	0.0037	mg/l	8260B	06/27/14	10
Toluene	BDL	0.050	mg/l	8260B	06/27/14	10
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
Trichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	06/27/14	10
1,2,3-Trichloropropane	BDL	0.025	mg/l	8260B	06/27/14	10
1,2,4-Trimethylbenzene	0.10	0.010	mg/l	8260B	06/27/14	10
1,2,3-Trimethylbenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3,5-Trimethylbenzene	0.025	0.010	mg/l	8260B	06/27/14	10
Vinyl chloride	BDL	0.010	mg/l	8260B	06/27/14	10
Xylenes, Total	BDL	0.030	mg/l	8260B	06/27/14	10
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/27/14	10
Dibromofluoromethane	98.7		% Rec.	8260B	06/27/14	10
4-Bromofluorobenzene	101.		% Rec.	8260B	06/27/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-9

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

ESC Sample # : L706111-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	2.4	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	79.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.000090	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.000076	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.024	0.0050	mg/l	8270C-SIM	06/26/14	20
Phenanthrene	0.000096	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	118.		% Rec.	8270C-SIM	06/26/14	20
2-Fluorobiphenyl	101.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	96.7		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	107.		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	80.3		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-04

Sample ID : PZ-12

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.017	0.0050	mg/l	6020	06/27/14	5
Mercury	0.00098	0.00020	mg/l	7470A	06/23/14	1
Barium	1.2	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.096	0.010	mg/l	6010B	06/26/14	1
Lead	0.52	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.7	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.9		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	0.50	mg/l	8260B	06/25/14	10
Acrolein	BDL	0.50	mg/l	8260B	06/25/14	10
Acrylonitrile	BDL	0.10	mg/l	8260B	06/25/14	10
Benzene	0.054	0.010	mg/l	8260B	06/25/14	10
Bromobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	06/25/14	10
Bromoform	BDL	0.010	mg/l	8260B	06/25/14	10
Bromomethane	BDL	0.050	mg/l	8260B	06/25/14	10
n-Butylbenzene	0.029	0.010	mg/l	8260B	06/25/14	10
sec-Butylbenzene	0.014	0.010	mg/l	8260B	06/25/14	10
tert-Butylbenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	06/25/14	10
Chlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	06/25/14	10
Chloroethane	BDL	0.050	mg/l	8260B	06/25/14	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	06/25/14	10
Chloroform	BDL	0.050	mg/l	8260B	06/25/14	10
Chloromethane	BDL	0.025	mg/l	8260B	06/25/14	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	06/25/14	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	06/25/14	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	06/25/14	10
Dibromomethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	06/25/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-04 (EPHTN) - Dilution due to sample volume

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-04

Sample ID : PZ-12

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	06/25/14	10
Ethylbenzene	0.18	0.010	mg/l	8260B	06/25/14	10
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8260B	06/25/14	10
Isopropylbenzene	0.060	0.010	mg/l	8260B	06/25/14	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	06/25/14	10
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/25/14	10
Methylene Chloride	BDL	0.050	mg/l	8260B	06/25/14	10
4-Methyl-2-pentanone (MIBK)	BDL	0.10	mg/l	8260B	06/25/14	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/25/14	10
Naphthalene	0.25	0.050	mg/l	8260B	06/25/14	10
n-Propylbenzene	0.16	0.010	mg/l	8260B	06/25/14	10
Styrene	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2-Trichlorotrifluoroethane	BDL	0.010	mg/l	8260B	06/25/14	10
Tetrachloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
Toluene	BDL	0.050	mg/l	8260B	06/25/14	10
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
Trichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	06/25/14	10
1,2,3-Trichloropropane	BDL	0.025	mg/l	8260B	06/25/14	10
1,2,4-Trimethylbenzene	0.19	0.010	mg/l	8260B	06/25/14	10
1,2,3-Trimethylbenzene	0.070	0.010	mg/l	8260B	06/25/14	10
1,3,5-Trimethylbenzene	0.053	0.010	mg/l	8260B	06/25/14	10
Vinyl chloride	BDL	0.010	mg/l	8260B	06/25/14	10
Xylenes, Total	0.14	0.030	mg/l	8260B	06/25/14	10
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/25/14	10
Dibromofluoromethane	95.5		% Rec.	8260B	06/25/14	10
4-Bromofluorobenzene	91.2		% Rec.	8260B	06/25/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-04 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-12

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

ESC Sample # : L706111-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	4.7	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	86.1		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.00028	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.0012	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	0.00033	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	0.000096	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	0.000061	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	0.000081	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	0.000053	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	0.000094	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	0.00029	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.0011	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.26	0.0050	mg/l	8270C-SIM	06/26/14	20
Phenanthrene	0.0011	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	0.00033	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	129.		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	101.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	94.9		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	87.9		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	76.4		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-04 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0034	0.0010	mg/l	6020	06/27/14	1
Mercury	0.00022	0.00020	mg/l	7470A	06/23/14	1
Barium	0.42	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.038	0.010	mg/l	6010B	06/26/14	1
Lead	0.14	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.7	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.3		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	5.0	mg/l	8260B	06/25/14	100
Acrolein	BDL	5.0	mg/l	8260B	06/25/14	100
Acrylonitrile	BDL	1.0	mg/l	8260B	06/25/14	100
Benzene	BDL	0.10	mg/l	8260B	06/25/14	100
Bromobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Bromodichloromethane	BDL	0.10	mg/l	8260B	06/25/14	100
Bromoform	BDL	0.10	mg/l	8260B	06/25/14	100
Bromomethane	BDL	0.50	mg/l	8260B	06/25/14	100
n-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
sec-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
tert-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Carbon tetrachloride	BDL	0.10	mg/l	8260B	06/25/14	100
Chlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Chlorodibromomethane	BDL	0.10	mg/l	8260B	06/25/14	100
Chloroethane	BDL	0.50	mg/l	8260B	06/25/14	100
2-Chloroethyl vinyl ether	BDL	5.0	mg/l	8260B	06/25/14	100
Chloroform	BDL	0.50	mg/l	8260B	06/25/14	100
Chloromethane	BDL	0.25	mg/l	8260B	06/25/14	100
2-Chlorotoluene	BDL	0.10	mg/l	8260B	06/25/14	100
4-Chlorotoluene	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dibromo-3-Chloropropane	BDL	0.50	mg/l	8260B	06/25/14	100
1,2-Dibromoethane	BDL	0.10	mg/l	8260B	06/25/14	100
Dibromomethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichlorobenzene	0.16	0.10	mg/l	8260B	06/25/14	100
1,3-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,4-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Dichlorodifluoromethane	BDL	0.50	mg/l	8260B	06/25/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1-Dichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
cis-1,2-Dichloroethene	8.9	0.10	mg/l	8260B	06/25/14	100
trans-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
1,3-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
cis-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
trans-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
2,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
Di-isopropyl ether	BDL	0.10	mg/l	8260B	06/25/14	100
Ethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	8260B	06/25/14	100
Isopropylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
p-Isopropyltoluene	BDL	0.10	mg/l	8260B	06/25/14	100
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/25/14	100
Methylene Chloride	BDL	1.0	mg/l	8260B	06/25/14	100
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	06/25/14	100
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	06/25/14	100
Naphthalene	BDL	0.10	mg/l	8260B	06/25/14	100
n-Propylbenzene	BDL	0.50	mg/l	8260B	06/25/14	100
Styrene	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,1,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2-Trichlorotrifluoroethane	BDL	0.10	mg/l	8260B	06/25/14	100
Tetrachloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
Toluene	1.7	0.10	mg/l	8260B	06/25/14	100
1,2,3-Trichlorobenzene	BDL	0.50	mg/l	8260B	06/25/14	100
1,2,4-Trichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,1-Trichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2-Trichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
Trichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
Trichlorofluoromethane	4.0	0.10	mg/l	8260B	06/25/14	100
1,2,3-Trichloropropane	BDL	0.50	mg/l	8260B	06/25/14	100
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/25/14	100
1,2,3-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,3,5-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Vinyl chloride	BDL	0.10	mg/l	8260B	06/25/14	100
Xylenes, Total	BDL	0.10	mg/l	8260B	06/25/14	100
	BDL	0.30	mg/l	8260B	06/25/14	100
Surrogate Recovery						
Toluene-d8	98.7		% Rec.	8260B	06/25/14	100
Dibromofluoromethane	102.		% Rec.	8260B	06/25/14	100
4-Bromofluorobenzene	94.0		% Rec.	8260B	06/25/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.71	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	82.9		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Acenaphthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Acenaphthylene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(a)anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(a)pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(b)fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(g,h,i)perylene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(k)fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Chrysene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Dibenz(a,h)anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Fluorene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Indeno(1,2,3-cd)pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Naphthalene	0.00078	0.00050	mg/l	8270C-SIM	06/26/14	2
Phenanthrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Surrogate Recovery						
Nitrobenzene-d5	79.5		% Rec.	8270C-SIM	06/26/14	2
2-Fluorobiphenyl	105.		% Rec.	8270C-SIM	06/26/14	2
p-Terphenyl-d14	87.3		% Rec.	8270C-SIM	06/26/14	2
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	80.1		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	91.9		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : MW-2

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

ESC Sample # : L706111-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0059	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.17	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	BDL	0.010	mg/l	6010B	06/26/14	1
Lead	0.024	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.98	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	109.		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	0.013	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	0.0044	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	0.0056	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-06

Sample ID : MW-2

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.0011	0.0010	mg/l	8260B	06/25/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	0.0018	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	0.028	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Naphthalene	0.012	0.0050	mg/l	8260B	06/25/14	1
n-Propylbenzene	0.062	0.0010	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	0.0057	0.0010	mg/l	8260B	06/25/14	1
Toluene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	0.0024	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	0.0077	0.0030	mg/l	8260B	06/25/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	97.0		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	84.0		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-06

Sample ID : MW-2

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.68	0.10	mg/l	EPH	06/26/14	1
Surrogate Recovery						
o-Terphenyl	88.5		% Rec.	EPH	06/26/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.00019	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.00014	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.017	0.00025	mg/l	8270C-SIM	06/26/14	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	102.		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	100.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	86.5		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	88.9		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	91.6		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-07

Sample ID : TRIP BLANK

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/24/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/24/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/24/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/24/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/24/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/24/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/24/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/24/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/24/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/24/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/24/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/24/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-07

Sample ID : TRIP BLANK

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/24/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/24/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/24/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/24/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
Toluene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
Trichlorofluoromethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2,3-Trichloropropane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2,4-Trimethylbenzene	BDL	0.0025	mg/l	8260B	06/24/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/24/14	1
Xylenes, Total	BDL	0.0010	mg/l	8260B	06/24/14	1
	BDL	0.0030	mg/l	8260B	06/24/14	1
Surrogate Recovery						
Toluene-d8	99.7		% Rec.	8260B	06/24/14	1
Dibromofluoromethane	97.0		% Rec.	8260B	06/24/14	1
4-Bromofluorobenzene	94.0		% Rec.	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0047	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.41	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.038	0.010	mg/l	6010B	06/26/14	1
Lead	0.12	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.6	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	86.6		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	5.0	mg/l	8260B	06/30/14	100
Acrolein	BDL	5.0	mg/l	8260B	06/30/14	100
Acrylonitrile	BDL	1.0	mg/l	8260B	06/30/14	100
Benzene	BDL	0.10	mg/l	8260B	06/30/14	100
Bromobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Bromodichloromethane	BDL	0.10	mg/l	8260B	06/30/14	100
Bromoform	BDL	0.10	mg/l	8260B	06/30/14	100
Bromomethane	BDL	0.50	mg/l	8260B	06/30/14	100
n-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
sec-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
tert-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Carbon tetrachloride	BDL	0.10	mg/l	8260B	06/30/14	100
Chlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Chlorodibromomethane	BDL	0.10	mg/l	8260B	06/30/14	100
Chloroethane	BDL	0.50	mg/l	8260B	06/30/14	100
2-Chloroethyl vinyl ether	BDL	5.0	mg/l	8260B	06/30/14	100
Chloroform	BDL	0.50	mg/l	8260B	06/30/14	100
Chloromethane	BDL	0.25	mg/l	8260B	06/30/14	100
2-Chlorotoluene	BDL	0.10	mg/l	8260B	06/30/14	100
4-Chlorotoluene	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dibromo-3-Chloropropane	BDL	0.50	mg/l	8260B	06/30/14	100
1,2-Dibromoethane	BDL	0.10	mg/l	8260B	06/30/14	100
Dibromomethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichlorobenzene	0.12	0.10	mg/l	8260B	06/30/14	100
1,3-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,4-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Dichlorodifluoromethane	BDL	0.50	mg/l	8260B	06/30/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1-Dichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
cis-1,2-Dichloroethene	8.1	0.10	mg/l	8260B	06/30/14	100
trans-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
1,3-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
cis-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
trans-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
2,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
Di-isopropyl ether	BDL	0.10	mg/l	8260B	06/30/14	100
Ethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	8260B	06/30/14	100
Isopropylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
p-Isopropyltoluene	BDL	0.10	mg/l	8260B	06/30/14	100
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/30/14	100
Methylene Chloride	BDL	1.0	mg/l	8260B	06/30/14	100
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	06/30/14	100
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	06/30/14	100
Naphthalene	BDL	0.10	mg/l	8260B	06/30/14	100
n-Propylbenzene	BDL	0.50	mg/l	8260B	06/30/14	100
Styrene	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,1,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2-Trichlorotrifluoroethane	BDL	0.10	mg/l	8260B	06/30/14	100
Tetrachloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
Toluene	2.0	0.10	mg/l	8260B	06/30/14	100
1,2,3-Trichlorobenzene	BDL	0.50	mg/l	8260B	06/30/14	100
1,2,4-Trichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,1-Trichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2-Trichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
Trichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
Trichlorofluoromethane	4.2	0.10	mg/l	8260B	06/30/14	100
1,2,3-Trichloropropane	BDL	0.50	mg/l	8260B	06/30/14	100
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/30/14	100
1,2,3-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,3,5-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Vinyl chloride	BDL	0.10	mg/l	8260B	06/30/14	100
Xylenes, Total	BDL	0.10	mg/l	8260B	06/30/14	100
	BDL	0.30	mg/l	8260B	06/30/14	100
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	06/30/14	100
Dibromofluoromethane	93.8		% Rec.	8260B	06/30/14	100
4-Bromofluorobenzene	98.4		% Rec.	8260B	06/30/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.81	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	89.4		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.00084	0.00025	mg/l	8270C-SIM	06/26/14	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	65.7		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	107.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	84.3		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	80.5		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	90.3		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L706111-01	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-02	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-03	WG728445	SAMP	Nitrobenzene-d5	R2949929	J7
	WG728924	SAMP	Benzene	R2950749	U
	WG728924	SAMP	Tetrachloroethene	R2950749	J
	WG728454	SAMP	Selenium	R2950254	O
	WG728454	SAMP	Silver	R2950254	O
L706111-04	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-05	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-06	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-07	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-08	WG729570	SAMP	1,3-Dichloropropane	R2953407	J4
	WG729570	SAMP	trans-1,3-Dichloropropene	R2953407	J4
	WG729570	SAMP	4-Methyl-2-pentanone (MIBK)	R2953407	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J4	The associated batch QC was outside the established quality control range for accuracy.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
U	BDL (EPA) - Below Detectable Limits: Indicates that the compound was analyzed but not detected.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/01/14 at 14:27:57

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L706111-01 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-02 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-03 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-04 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-05 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-06 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-07 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-08 Account: SME Received: 06/21/14 07:00 Due Date: 07/01/14 00:00 RPT Date: 06/29/14 23:00

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Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG727902	06/23/14 09:15
TPH (GC/FID) Low Fraction	< .1	mg/l			WG727090	06/23/14 23:05
a,a,a-Trifluorotoluene(FID)		% Rec.	87.80	50-150	WG727090	06/23/14 23:05
Extractable Petroleum Hydrocarbon	< .1	mg/l			WG727771	06/23/14 17:44
o-Terphenyl		% Rec.	88.30	50-150	WG727771	06/23/14 17:44
Extractable Petroleum Hydrocarbon	< .1	mg/l			WG728409	06/25/14 11:09
o-Terphenyl		% Rec.	84.40	50-150	WG728409	06/25/14 11:09
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,1-Trichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2-Trichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,4-Trichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,4-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG727917	06/24/14 19:31
1,2-Dibromoethane	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,3,5-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,3-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,3-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,4-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
2,2-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
2-Butanone (MEK)	< .01	mg/l			WG727917	06/24/14 19:31
2-Chloroethyl vinyl ether	< .05	mg/l			WG727917	06/24/14 19:31
2-Chlorotoluene	< .001	mg/l			WG727917	06/24/14 19:31
4-Chlorotoluene	< .001	mg/l			WG727917	06/24/14 19:31
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG727917	06/24/14 19:31
Acetone	< .05	mg/l			WG727917	06/24/14 19:31
Acrolein	< .025	mg/l			WG727917	06/24/14 19:31
Acrylonitrile	< .01	mg/l			WG727917	06/24/14 19:31
Benzene	< .001	mg/l			WG727917	06/24/14 19:31
Bromobenzene	< .001	mg/l			WG727917	06/24/14 19:31
Bromodichloromethane	< .001	mg/l			WG727917	06/24/14 19:31
Bromoform	< .001	mg/l			WG727917	06/24/14 19:31
Bromomethane	< .005	mg/l			WG727917	06/24/14 19:31
Carbon tetrachloride	< .001	mg/l			WG727917	06/24/14 19:31
Chlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
Chlorodibromomethane	< .001	mg/l			WG727917	06/24/14 19:31
Chloroethane	< .005	mg/l			WG727917	06/24/14 19:31
Chloroform	< .005	mg/l			WG727917	06/24/14 19:31
Chloromethane	< .0025	mg/l			WG727917	06/24/14 19:31
cis-1,2-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
cis-1,3-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L706111

July 01, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-isopropyl ether	< .001	mg/l			WG727917	06/24/14 19:31
Dibromomethane	< .001	mg/l			WG727917	06/24/14 19:31
Dichlorodifluoromethane	< .005	mg/l			WG727917	06/24/14 19:31
Ethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Hexachloro-1,3-butadiene	< .001	mg/l			WG727917	06/24/14 19:31
Isopropylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Methyl tert-butyl ether	< .001	mg/l			WG727917	06/24/14 19:31
Methylene Chloride	< .005	mg/l			WG727917	06/24/14 19:31
n-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
n-Propylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Naphthalene	< .005	mg/l			WG727917	06/24/14 19:31
p-Isopropyltoluene	< .001	mg/l			WG727917	06/24/14 19:31
sec-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Styrene	< .001	mg/l			WG727917	06/24/14 19:31
tert-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Tetrachloroethene	< .001	mg/l			WG727917	06/24/14 19:31
Toluene	< .005	mg/l			WG727917	06/24/14 19:31
trans-1,2-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
trans-1,3-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31
Trichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
Trichlorofluoromethane	< .005	mg/l			WG727917	06/24/14 19:31
Vinyl chloride	< .001	mg/l			WG727917	06/24/14 19:31
Xylenes, Total	< .003	mg/l			WG727917	06/24/14 19:31
4-Bromofluorobenzene		% Rec.	94.90	71-126	WG727917	06/24/14 19:31
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG727917	06/24/14 19:31
Toluene-d8		% Rec.	100.0	88.5-111	WG727917	06/24/14 19:31
Acenaphthene	< .00005	mg/l			WG728445	06/25/14 23:21
Acenaphthylene	< .00005	mg/l			WG728445	06/25/14 23:21
Anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(a)anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(a)pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(b)fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(g,h,i)perylene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(k)fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Chrysene	< .00005	mg/l			WG728445	06/25/14 23:21
Dibenz(a,h)anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Fluorene	< .00005	mg/l			WG728445	06/25/14 23:21
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
Naphthalene	< .00025	mg/l			WG728445	06/25/14 23:21
Phenanthrene	< .00005	mg/l			WG728445	06/25/14 23:21
Pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
2-Fluorobiphenyl		% Rec.	102.0	57.7-153	WG728445	06/25/14 23:21
Nitrobenzene-d5		% Rec.	112.0	45.1-170	WG728445	06/25/14 23:21
p-Terphenyl-d14		% Rec.	93.10	53.2-156	WG728445	06/25/14 23:21
PCB 1016	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1221	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1232	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1242	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1248	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1254	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1260	< .0005	mg/l			WG728167	06/26/14 09:26
Decachlorobiphenyl		% Rec.	64.60	10-156	WG728167	06/26/14 09:26
Tetrachloro-m-xylene		% Rec.	69.40	13.9-137	WG728167	06/26/14 09:26

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Quality Assurance Report
Level II

L706111

July 01, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Barium	< .005	mg/l			WG728454	06/26/14 14:09
Cadmium	< .005	mg/l			WG728454	06/26/14 14:09
Chromium	< .01	mg/l			WG728454	06/26/14 14:09
Lead	< .005	mg/l			WG728454	06/26/14 14:09
Silver	< .01	mg/l			WG728454	06/26/14 14:09
Selenium	< .02	mg/l			WG728454	06/26/14 15:01
TPH (GC/FID) Low Fraction	< .1	mg/l			WG728273	06/26/14 17:55
a,a,a-Trifluorotoluene(FID)		% Rec.	101.0	50-150	WG728273	06/26/14 17:55
cis-1,2-Dichloroethene	< .001	mg/l			WG728871	06/26/14 20:04
Tetrachloroethene	< .001	mg/l			WG728871	06/26/14 20:04
Trichloroethene	< .001	mg/l			WG728871	06/26/14 20:04
4-Bromofluorobenzene		% Rec.	95.80	71-126	WG728871	06/26/14 20:04
Dibromofluoromethane		% Rec.	99.80	78.3-121	WG728871	06/26/14 20:04
Toluene-d8		% Rec.	105.0	88.5-111	WG728871	06/26/14 20:04
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,1-Trichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2-Trichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,4-Trichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,4-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG728924	06/27/14 00:01
1,2-Dibromoethane	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,3,5-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,3-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,3-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,4-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
2,2-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
2-Butanone (MEK)	< .01	mg/l			WG728924	06/27/14 00:01
2-Chloroethyl vinyl ether	< .05	mg/l			WG728924	06/27/14 00:01
2-Chlorotoluene	< .001	mg/l			WG728924	06/27/14 00:01
4-Chlorotoluene	< .001	mg/l			WG728924	06/27/14 00:01
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG728924	06/27/14 00:01
Acetone	< .05	mg/l			WG728924	06/27/14 00:01
Acrolein	< .025	mg/l			WG728924	06/27/14 00:01
Acrylonitrile	< .01	mg/l			WG728924	06/27/14 00:01
Benzene	< .001	mg/l			WG728924	06/27/14 00:01
Bromobenzene	< .001	mg/l			WG728924	06/27/14 00:01
Bromodichloromethane	< .001	mg/l			WG728924	06/27/14 00:01
Bromoform	< .001	mg/l			WG728924	06/27/14 00:01
Bromomethane	< .005	mg/l			WG728924	06/27/14 00:01
Carbon tetrachloride	< .001	mg/l			WG728924	06/27/14 00:01
Chlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01

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Level II

L706111

July 01, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chlorodibromomethane	< .001	mg/l			WG728924	06/27/14 00:01
Chloroethane	< .005	mg/l			WG728924	06/27/14 00:01
Chloroform	< .005	mg/l			WG728924	06/27/14 00:01
Chloromethane	< .0025	mg/l			WG728924	06/27/14 00:01
cis-1,2-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
cis-1,3-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
Di-isopropyl ether	< .001	mg/l			WG728924	06/27/14 00:01
Dibromomethane	< .001	mg/l			WG728924	06/27/14 00:01
Dichlorodifluoromethane	< .005	mg/l			WG728924	06/27/14 00:01
Ethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Hexachloro-1,3-butadiene	< .001	mg/l			WG728924	06/27/14 00:01
Isopropylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Methyl tert-butyl ether	< .001	mg/l			WG728924	06/27/14 00:01
Methylene Chloride	< .005	mg/l			WG728924	06/27/14 00:01
n-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
n-Propylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Naphthalene	< .005	mg/l			WG728924	06/27/14 00:01
p-Isopropyltoluene	< .001	mg/l			WG728924	06/27/14 00:01
sec-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Styrene	< .001	mg/l			WG728924	06/27/14 00:01
tert-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Tetrachloroethene	< .001	mg/l			WG728924	06/27/14 00:01
Toluene	< .005	mg/l			WG728924	06/27/14 00:01
trans-1,2-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
trans-1,3-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
Trichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
Trichlorofluoromethane	< .005	mg/l			WG728924	06/27/14 00:01
Vinyl chloride	< .001	mg/l			WG728924	06/27/14 00:01
Xylenes, Total	< .003	mg/l			WG728924	06/27/14 00:01
4-Bromofluorobenzene		% Rec.	100.0	71-126	WG728924	06/27/14 00:01
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG728924	06/27/14 00:01
Toluene-d8		% Rec.	101.0	88.5-111	WG728924	06/27/14 00:01
Acenaphthene	< .00005	mg/l			WG728444	06/27/14 00:52
Acenaphthylene	< .00005	mg/l			WG728444	06/27/14 00:52
Anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(a)anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(a)pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(b)fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(g,h,i)perylene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(k)fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Chrysene	< .00005	mg/l			WG728444	06/27/14 00:52
Dibenz(a,h)anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Fluorene	< .00005	mg/l			WG728444	06/27/14 00:52
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
Naphthalene	< .00025	mg/l			WG728444	06/27/14 00:52
Phenanthrene	< .00005	mg/l			WG728444	06/27/14 00:52
Pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
2-Fluorobiphenyl		% Rec.	96.40	57.7-153	WG728444	06/27/14 00:52
Nitrobenzene-d5		% Rec.	103.0	45.1-170	WG728444	06/27/14 00:52
p-Terphenyl-d14		% Rec.	92.30	53.2-156	WG728444	06/27/14 00:52
Arsenic	< .001	mg/l			WG728531	06/27/14 15:13
Acenaphthene	< .00005	mg/l			WG728625	06/27/14 14:08

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Acenaphthylene	< .00005	mg/l			WG728625	06/27/14 14:08
Anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(a)anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(a)pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(b)fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(g,h,i)perylene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(k)fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Chrysene	< .00005	mg/l			WG728625	06/27/14 14:08
Dibenz(a,h)anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Fluorene	< .00005	mg/l			WG728625	06/27/14 14:08
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
Naphthalene	< .00025	mg/l			WG728625	06/27/14 14:08
Phenanthrene	< .00005	mg/l			WG728625	06/27/14 14:08
Pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
2-Fluorobiphenyl		% Rec.	117.0	57.7-153	WG728625	06/27/14 14:08
Nitrobenzene-d5		% Rec.	113.0	45.1-170	WG728625	06/27/14 14:08
p-Terphenyl-d14		% Rec.	118.0	53.2-156	WG728625	06/27/14 14:08
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,1-Trichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2-Trichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,4-Trichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,4-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG729570	06/30/14 22:06
1,2-Dibromoethane	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,3,5-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,3-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,3-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,4-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
2,2-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
2-Butanone (MEK)	< .01	mg/l			WG729570	06/30/14 22:06
2-Chloroethyl vinyl ether	< .05	mg/l			WG729570	06/30/14 22:06
2-Chlorotoluene	< .001	mg/l			WG729570	06/30/14 22:06
4-Chlorotoluene	< .001	mg/l			WG729570	06/30/14 22:06
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG729570	06/30/14 22:06
Acetone	< .05	mg/l			WG729570	06/30/14 22:06
Acrolein	< .025	mg/l			WG729570	06/30/14 22:06
Acrylonitrile	< .01	mg/l			WG729570	06/30/14 22:06
Benzene	< .001	mg/l			WG729570	06/30/14 22:06
Bromobenzene	< .001	mg/l			WG729570	06/30/14 22:06
Bromodichloromethane	< .001	mg/l			WG729570	06/30/14 22:06
Bromoform	< .001	mg/l			WG729570	06/30/14 22:06
Bromomethane	< .005	mg/l			WG729570	06/30/14 22:06
Carbon tetrachloride	< .001	mg/l			WG729570	06/30/14 22:06
Chlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
Chlorodibromomethane	< .001	mg/l			WG729570	06/30/14 22:06

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloroethane	< .005	mg/l			WG729570	06/30/14 22:06
Chloroform	< .005	mg/l			WG729570	06/30/14 22:06
Chloromethane	< .0025	mg/l			WG729570	06/30/14 22:06
cis-1,2-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
cis-1,3-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
Di-isopropyl ether	< .001	mg/l			WG729570	06/30/14 22:06
Dibromomethane	< .001	mg/l			WG729570	06/30/14 22:06
Dichlorodifluoromethane	< .005	mg/l			WG729570	06/30/14 22:06
Ethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Hexachloro-1,3-butadiene	< .001	mg/l			WG729570	06/30/14 22:06
Isopropylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Methyl tert-butyl ether	< .001	mg/l			WG729570	06/30/14 22:06
Methylene Chloride	< .005	mg/l			WG729570	06/30/14 22:06
n-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
n-Propylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Naphthalene	< .005	mg/l			WG729570	06/30/14 22:06
p-Isopropyltoluene	< .001	mg/l			WG729570	06/30/14 22:06
sec-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Styrene	< .001	mg/l			WG729570	06/30/14 22:06
tert-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Tetrachloroethene	< .001	mg/l			WG729570	06/30/14 22:06
Toluene	< .005	mg/l			WG729570	06/30/14 22:06
trans-1,2-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
trans-1,3-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
Trichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
Trichlorofluoromethane	< .005	mg/l			WG729570	06/30/14 22:06
Vinyl chloride	< .001	mg/l			WG729570	06/30/14 22:06
Xylenes, Total	< .003	mg/l			WG729570	06/30/14 22:06
4-Bromofluorobenzene		% Rec.	95.70	71-126	WG729570	06/30/14 22:06
Dibromofluoromethane		% Rec.	95.50	78.3-121	WG729570	06/30/14 22:06
Toluene-d8		% Rec.	97.50	88.5-111	WG729570	06/30/14 22:06

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.0	0.0000486	14.0	20	L706097-03	WG727902

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00299	100.	85-115	WG727902
TPH (GC/FID) Low Fraction	mg/l	1	0.645	64.5	50-100	WG727090
a,a,a-Trifluorotoluene(FID)				98.20	50-150	WG727090
Extractable Petroleum Hydrocarbon	mg/l	1.5	1.38	92.2	50-100	WG727771
o-Terphenyl				93.20	50-150	WG727771
Extractable Petroleum Hydrocarbon	mg/l	1.5	1.27	84.4	50-100	WG728409
o-Terphenyl				87.60	50-150	WG728409
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0267	107.	74.2-124	WG727917
1,1,1-Trichloroethane	mg/l	.025	0.0260	104.	73.2-123	WG727917
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0257	103.	70.7-122	WG727917
1,1,2-Trichloroethane	mg/l	.025	0.0274	110.	77.7-118	WG727917

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0248	99.4	67.2-143	WG727917
1,1-Dichloroethane	mg/l	.025	0.0277	111.	70.7-126	WG727917
1,1-Dichloroethene	mg/l	.025	0.0263	105.	67.8-129	WG727917
1,1-Dichloropropene	mg/l	.025	0.0275	110.	73.1-125	WG727917
1,2,3-Trichlorobenzene	mg/l	.025	0.0270	108.	64.9-135	WG727917
1,2,3-Trichloropropane	mg/l	.025	0.0254	102.	71.8-121	WG727917
1,2,3-Trimethylbenzene	mg/l	.025	0.0285	114.	72.3-116	WG727917
1,2,4-Trichlorobenzene	mg/l	.025	0.0258	103.	69.7-136	WG727917
1,2,4-Trimethylbenzene	mg/l	.025	0.0259	104.	75-123	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0237	94.9	65.4-128	WG727917
1,2-Dibromoethane	mg/l	.025	0.0273	109.	76.6-121	WG727917
1,2-Dichlorobenzene	mg/l	.025	0.0272	109.	78.4-117	WG727917
1,2-Dichloroethane	mg/l	.025	0.0267	107.	68.8-124	WG727917
1,2-Dichloropropane	mg/l	.025	0.0289	116.	76.5-119	WG727917
1,3,5-Trimethylbenzene	mg/l	.025	0.0269	107.	75.6-124	WG727917
1,3-Dichlorobenzene	mg/l	.025	0.0255	102.	70.8-128	WG727917
1,3-Dichloropropane	mg/l	.025	0.0293	117.	77.4-117	WG727917
1,4-Dichlorobenzene	mg/l	.025	0.0275	110.	78.8-115	WG727917
2,2-Dichloropropane	mg/l	.025	0.0239	95.4	62.4-133	WG727917
2-Butanone (MEK)	mg/l	.125	0.128	103.	55-149	WG727917
2-Chloroethyl vinyl ether	mg/l	.125	0.148	119.	43.8-150	WG727917
2-Chlorotoluene	mg/l	.025	0.0275	110.	74.7-122	WG727917
4-Chlorotoluene	mg/l	.025	0.0269	108.	77.5-120	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.143	114.	70.5-133	WG727917
Acetone	mg/l	.125	0.107	85.5	35.6-163	WG727917
Acrolein	mg/l	.125	0.0669	53.5	10-190	WG727917
Acrylonitrile	mg/l	.125	0.137	110.	55.2-130	WG727917
Benzene	mg/l	.025	0.0279	112.	74.8-121	WG727917
Bromobenzene	mg/l	.025	0.0261	104.	77.5-116	WG727917
Bromodichloromethane	mg/l	.025	0.0269	107.	75.1-116	WG727917
Bromoform	mg/l	.025	0.0288	115.	67.5-130	WG727917
Bromomethane	mg/l	.025	0.0304	121.	49.9-162	WG727917
Carbon tetrachloride	mg/l	.025	0.0273	109.	70.2-123	WG727917
Chlorobenzene	mg/l	.025	0.0295	118.	78.1-119	WG727917
Chlorodibromomethane	mg/l	.025	0.0287	115.	74-121	WG727917
Chloroethane	mg/l	.025	0.0330	132.	61.7-135	WG727917
Chloroform	mg/l	.025	0.0254	102.	76-121	WG727917
Chloromethane	mg/l	.025	0.0309	124.	61.5-129	WG727917
cis-1,2-Dichloroethene	mg/l	.025	0.0260	104.	76-119	WG727917
cis-1,3-Dichloropropene	mg/l	.025	0.0298	119.	78.2-120	WG727917
Di-isopropyl ether	mg/l	.025	0.0308	123.	65.6-132	WG727917
Dibromomethane	mg/l	.025	0.0250	100.	79.5-118	WG727917
Dichlorodifluoromethane	mg/l	.025	0.0255	102.	54.8-135	WG727917
Ethylbenzene	mg/l	.025	0.0295	118.	78.8-122	WG727917
Hexachloro-1,3-butadiene	mg/l	.025	0.0255	102.	64.7-129	WG727917
Isopropylbenzene	mg/l	.025	0.0275	110.	78.6-132	WG727917
Methyl tert-butyl ether	mg/l	.025	0.0247	98.9	71.2-126	WG727917
Methylene Chloride	mg/l	.025	0.0244	97.5	70.3-120	WG727917
n-Butylbenzene	mg/l	.025	0.0277	111.	76.2-126	WG727917
n-Propylbenzene	mg/l	.025	0.0268	107.	78.2-122	WG727917
Naphthalene	mg/l	.025	0.0259	103.	68.4-128	WG727917
p-Isopropyltoluene	mg/l	.025	0.0275	110.	74-131	WG727917
sec-Butylbenzene	mg/l	.025	0.0277	111.	74.4-127	WG727917
Styrene	mg/l	.025	0.0291	116.	80.4-126	WG727917
tert-Butylbenzene	mg/l	.025	0.0284	113.	75.3-126	WG727917
Tetrachloroethene	mg/l	.025	0.0274	109.	72.6-126	WG727917
Toluene	mg/l	.025	0.0277	111.	79.7-116	WG727917
trans-1,2-Dichloroethene	mg/l	.025	0.0258	103.	72.6-121	WG727917
trans-1,3-Dichloropropene	mg/l	.025	0.0300	120.	74.3-123	WG727917

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/l	.025	0.0271	109.	77.7-118	WG727917
Trichlorofluoromethane	mg/l	.025	0.0276	111.	63.5-135	WG727917
Vinyl chloride	mg/l	.025	0.0291	117.	65.9-128	WG727917
Xylenes, Total	mg/l	.075	0.0864	115.	78.7-121	WG727917
4-Bromofluorobenzene				92.30	71-126	WG727917
Dibromofluoromethane				93.90	78.3-121	WG727917
Toluene-d8				103.0	88.5-111	WG727917
Acenaphthene	mg/l	.002	0.00210	105.	76.2-136	WG728445
Acenaphthylene	mg/l	.002	0.00209	105.	71.3-139	WG728445
Anthracene	mg/l	.002	0.00235	118.	77.3-144	WG728445
Benzo(a)anthracene	mg/l	.002	0.00209	104.	71.4-142	WG728445
Benzo(a)pyrene	mg/l	.002	0.00218	109.	70.8-140	WG728445
Benzo(b)fluoranthene	mg/l	.002	0.00196	98.0	68-142	WG728445
Benzo(g,h,i)perylene	mg/l	.002	0.00211	106.	62.8-146	WG728445
Benzo(k)fluoranthene	mg/l	.002	0.00231	116.	70.1-144	WG728445
Chrysene	mg/l	.002	0.00237	118.	73.6-143	WG728445
Dibenz(a,h)anthracene	mg/l	.002	0.00213	107.	56.1-147	WG728445
Fluoranthene	mg/l	.002	0.00223	111.	77.9-147	WG728445
Fluorene	mg/l	.002	0.00212	106.	75.3-136	WG728445
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00215	108.	61.6-147	WG728445
Naphthalene	mg/l	.002	0.00197	98.7	72.2-137	WG728445
Phenanthrene	mg/l	.002	0.00215	108.	76-133	WG728445
Pyrene	mg/l	.002	0.00205	103.	73-139	WG728445
2-Fluorobiphenyl				106.0	57.7-153	WG728445
Nitrobenzene-d5				109.0	45.1-170	WG728445
p-Terphenyl-d14				98.70	53.2-156	WG728445
PCB 1016	mg/l	.0005	0.000356	71.2	24.7-128	WG728167
PCB 1260	mg/l	.0005	0.000397	79.3	47.7-149	WG728167
Decachlorobiphenyl				96.70	10-156	WG728167
Tetrachloro-m-xylene				92.30	13.9-137	WG728167
Barium	mg/l	1	1.03	103.	80-120	WG728454
Cadmium	mg/l	1	1.00	100.	80-120	WG728454
Chromium	mg/l	1	1.00	100.	80-120	WG728454
Lead	mg/l	1	1.06	106.	80-120	WG728454
Silver	mg/l	1	1.01	101.	80-120	WG728454
Selenium	mg/l	1	1.00	100.	80-120	WG728454
TPH (GC/FID) Low Fraction	mg/l	1	0.628	62.8	50-100	WG728273
a,a,a-Trifluorotoluene(FID)				90.70	50-150	WG728273
cis-1,2-Dichloroethene	mg/l	.025	0.0250	100.	76-119	WG728871
Tetrachloroethene	mg/l	.025	0.0288	115.	72.6-126	WG728871
Trichloroethene	mg/l	.025	0.0279	112.	77.7-118	WG728871
4-Bromofluorobenzene				90.80	71-126	WG728871
Dibromofluoromethane				97.50	78.3-121	WG728871
Toluene-d8				101.0	88.5-111	WG728871
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0252	101.	74.2-124	WG728924
1,1,1-Trichloroethane	mg/l	.025	0.0239	95.4	73.2-123	WG728924
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0252	101.	70.7-122	WG728924

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1,1,2-Trichloroethane	mg/l	.025	0.0243	97.0	77.7-118	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0277	111.	67.2-143	WG728924
1,1-Dichloroethane	mg/l	.025	0.0256	103.	70.7-126	WG728924
1,1-Dichloroethene	mg/l	.025	0.0262	105.	67.8-129	WG728924
1,1-Dichloropropene	mg/l	.025	0.0262	105.	73.1-125	WG728924
1,2,3-Trichlorobenzene	mg/l	.025	0.0244	97.6	64.9-135	WG728924
1,2,3-Trichloropropane	mg/l	.025	0.0242	96.8	71.8-121	WG728924
1,2,3-Trimethylbenzene	mg/l	.025	0.0253	101.	72.3-116	WG728924
1,2,4-Trichlorobenzene	mg/l	.025	0.0249	99.5	69.7-136	WG728924
1,2,4-Trimethylbenzene	mg/l	.025	0.0256	102.	75-123	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0234	93.6	65.4-128	WG728924
1,2-Dibromoethane	mg/l	.025	0.0244	97.8	76.6-121	WG728924
1,2-Dichlorobenzene	mg/l	.025	0.0252	101.	78.4-117	WG728924
1,2-Dichloroethane	mg/l	.025	0.0229	91.5	68.8-124	WG728924
1,2-Dichloropropane	mg/l	.025	0.0262	105.	76.5-119	WG728924
1,3,5-Trimethylbenzene	mg/l	.025	0.0264	106.	75.6-124	WG728924
1,3-Dichlorobenzene	mg/l	.025	0.0247	98.9	70.8-128	WG728924
1,3-Dichloropropane	mg/l	.025	0.0245	97.9	77.4-117	WG728924
1,4-Dichlorobenzene	mg/l	.025	0.0246	98.3	78.8-115	WG728924
2,2-Dichloropropane	mg/l	.025	0.0235	93.9	62.4-133	WG728924
2-Butanone (MEK)	mg/l	.125	0.106	85.1	55-149	WG728924
2-Chloroethyl vinyl ether	mg/l	.125	0.106	84.5	43.8-150	WG728924
2-Chlorotoluene	mg/l	.025	0.0260	104.	74.7-122	WG728924
4-Chlorotoluene	mg/l	.025	0.0254	102.	77.5-120	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.120	95.9	70.5-133	WG728924
Acetone	mg/l	.125	0.101	80.9	35.6-163	WG728924
Acrolein	mg/l	.125	0.143	115.	10-190	WG728924
Acrylonitrile	mg/l	.125	0.123	98.2	55.2-130	WG728924
Benzene	mg/l	.025	0.0259	104.	74.8-121	WG728924
Bromobenzene	mg/l	.025	0.0242	97.0	77.5-116	WG728924
Bromodichloromethane	mg/l	.025	0.0240	96.1	75.1-116	WG728924
Bromoform	mg/l	.025	0.0240	96.1	67.5-130	WG728924
Bromomethane	mg/l	.025	0.0212	84.8	49.9-162	WG728924
Carbon tetrachloride	mg/l	.025	0.0232	92.6	70.2-123	WG728924
Chlorobenzene	mg/l	.025	0.0257	103.	78.1-119	WG728924
Chlorodibromomethane	mg/l	.025	0.0242	96.7	74-121	WG728924
Chloroethane	mg/l	.025	0.0235	94.0	61.7-135	WG728924
Chloroform	mg/l	.025	0.0241	96.2	76-121	WG728924
Chloromethane	mg/l	.025	0.0227	90.7	61.5-129	WG728924
cis-1,2-Dichloroethene	mg/l	.025	0.0265	106.	76-119	WG728924
cis-1,3-Dichloropropene	mg/l	.025	0.0262	105.	78.2-120	WG728924
Di-isopropyl ether	mg/l	.025	0.0247	98.7	65.6-132	WG728924
Dibromomethane	mg/l	.025	0.0248	99.1	79.5-118	WG728924
Dichlorodifluoromethane	mg/l	.025	0.0235	94.0	54.8-135	WG728924
Ethylbenzene	mg/l	.025	0.0253	101.	78.8-122	WG728924
Hexachloro-1,3-butadiene	mg/l	.025	0.0237	94.9	64.7-129	WG728924
Isopropylbenzene	mg/l	.025	0.0263	105.	78.6-132	WG728924
Methyl tert-butyl ether	mg/l	.025	0.0259	104.	71.2-126	WG728924
Methylene Chloride	mg/l	.025	0.0257	103.	70.3-120	WG728924
n-Butylbenzene	mg/l	.025	0.0264	106.	76.2-126	WG728924
n-Propylbenzene	mg/l	.025	0.0255	102.	78.2-122	WG728924
Naphthalene	mg/l	.025	0.0245	97.9	68.4-128	WG728924
p-Isopropyltoluene	mg/l	.025	0.0263	105.	74-131	WG728924
sec-Butylbenzene	mg/l	.025	0.0262	105.	74.4-127	WG728924
Styrene	mg/l	.025	0.0261	104.	80.4-126	WG728924
tert-Butylbenzene	mg/l	.025	0.0261	105.	75.3-126	WG728924
Tetrachloroethene	mg/l	.025	0.0239	95.7	72.6-126	WG728924
Toluene	mg/l	.025	0.0253	101.	79.7-116	WG728924
trans-1,2-Dichloroethene	mg/l	.025	0.0267	107.	72.6-121	WG728924

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trans-1,3-Dichloropropene	mg/l	.025	0.0249	99.6	74.3-123	WG728924
Trichloroethene	mg/l	.025	0.0250	100.	77.7-118	WG728924
Trichlorofluoromethane	mg/l	.025	0.0218	87.3	63.5-135	WG728924
Vinyl chloride	mg/l	.025	0.0234	93.7	65.9-128	WG728924
Xylenes, Total	mg/l	.075	0.0749	99.9	78.7-121	WG728924
4-Bromofluorobenzene				100.0	71-126	WG728924
Dibromofluoromethane				99.30	78.3-121	WG728924
Toluene-d8				103.0	88.5-111	WG728924
Acenaphthene	mg/l	.002	0.00197	98.6	76.2-136	WG728444
Acenaphthylene	mg/l	.002	0.00199	99.5	71.3-139	WG728444
Anthracene	mg/l	.002	0.00219	109.	77.3-144	WG728444
Benzo(a)anthracene	mg/l	.002	0.00188	94.0	71.4-142	WG728444
Benzo(a)pyrene	mg/l	.002	0.00195	97.6	70.8-140	WG728444
Benzo(b)fluoranthene	mg/l	.002	0.00181	90.5	68-142	WG728444
Benzo(g,h,i)perylene	mg/l	.002	0.00194	97.2	62.8-146	WG728444
Benzo(k)fluoranthene	mg/l	.002	0.00207	103.	70.1-144	WG728444
Chrysene	mg/l	.002	0.00221	111.	73.6-143	WG728444
Dibenz(a,h)anthracene	mg/l	.002	0.00174	87.0	56.1-147	WG728444
Fluoranthene	mg/l	.002	0.00203	102.	77.9-147	WG728444
Fluorene	mg/l	.002	0.00198	99.2	75.3-136	WG728444
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00186	92.8	61.6-147	WG728444
Naphthalene	mg/l	.002	0.00190	94.8	72.2-137	WG728444
Phenanthrene	mg/l	.002	0.00192	96.1	76-133	WG728444
Pyrene	mg/l	.002	0.00196	98.1	73-139	WG728444
2-Fluorobiphenyl				99.90	57.7-153	WG728444
Nitrobenzene-d5				104.0	45.1-170	WG728444
p-Terphenyl-d14				91.10	53.2-156	WG728444
Arsenic	mg/l	.05	0.0550	110.	85-115	WG728531
Acenaphthene	mg/l	.002	0.00219	110.	76.2-136	WG728625
Acenaphthylene	mg/l	.002	0.00224	112.	71.3-139	WG728625
Anthracene	mg/l	.002	0.00249	124.	77.3-144	WG728625
Benzo(a)anthracene	mg/l	.002	0.00221	110.	71.4-142	WG728625
Benzo(a)pyrene	mg/l	.002	0.00233	117.	70.8-140	WG728625
Benzo(b)fluoranthene	mg/l	.002	0.00202	101.	68-142	WG728625
Benzo(g,h,i)perylene	mg/l	.002	0.00226	113.	62.8-146	WG728625
Benzo(k)fluoranthene	mg/l	.002	0.00252	126.	70.1-144	WG728625
Chrysene	mg/l	.002	0.00251	126.	73.6-143	WG728625
Dibenz(a,h)anthracene	mg/l	.002	0.00229	114.	56.1-147	WG728625
Fluoranthene	mg/l	.002	0.00243	122.	77.9-147	WG728625
Fluorene	mg/l	.002	0.00222	111.	75.3-136	WG728625
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00232	116.	61.6-147	WG728625
Naphthalene	mg/l	.002	0.00207	103.	72.2-137	WG728625
Phenanthrene	mg/l	.002	0.00221	111.	76-133	WG728625
Pyrene	mg/l	.002	0.00218	109.	73-139	WG728625
2-Fluorobiphenyl				113.0	57.7-153	WG728625
Nitrobenzene-d5				114.0	45.1-170	WG728625
p-Terphenyl-d14				108.0	53.2-156	WG728625
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0245	98.2	74.2-124	WG729570
1,1,1-Trichloroethane	mg/l	.025	0.0214	85.5	73.2-123	WG729570
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0253	101.	70.7-122	WG729570
1,1,2-Trichloroethane	mg/l	.025	0.0270	108.	77.7-118	WG729570

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0206	82.3	67.2-143	WG729570
1,1-Dichloroethane	mg/l	.025	0.0235	93.9	70.7-126	WG729570
1,1-Dichloroethene	mg/l	.025	0.0219	87.8	67.8-129	WG729570
1,1-Dichloropropene	mg/l	.025	0.0229	91.5	73.1-125	WG729570
1,2,3-Trichlorobenzene	mg/l	.025	0.0284	114.	64.9-135	WG729570
1,2,3-Trichloropropane	mg/l	.025	0.0255	102.	71.8-121	WG729570
1,2,3-Trimethylbenzene	mg/l	.025	0.0244	97.5	72.3-116	WG729570
1,2,4-Trichlorobenzene	mg/l	.025	0.0263	105.	69.7-136	WG729570
1,2,4-Trimethylbenzene	mg/l	.025	0.0231	92.3	75-123	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0270	108.	65.4-128	WG729570
1,2-Dibromoethane	mg/l	.025	0.0272	109.	76.6-121	WG729570
1,2-Dichlorobenzene	mg/l	.025	0.0256	102.	78.4-117	WG729570
1,2-Dichloroethane	mg/l	.025	0.0227	90.8	68.8-124	WG729570
1,2-Dichloropropane	mg/l	.025	0.0267	107.	76.5-119	WG729570
1,3,5-Trimethylbenzene	mg/l	.025	0.0235	94.0	75.6-124	WG729570
1,3-Dichlorobenzene	mg/l	.025	0.0243	97.3	70.8-128	WG729570
1,3-Dichloropropane	mg/l	.025	0.0286	115.	77.4-117	WG729570
1,4-Dichlorobenzene	mg/l	.025	0.0253	101.	78.8-115	WG729570
2,2-Dichloropropane	mg/l	.025	0.0168	67.4	62.4-133	WG729570
2-Butanone (MEK)	mg/l	.125	0.132	105.	55-149	WG729570
2-Chloroethyl vinyl ether	mg/l	.125	0.153	122.	43.8-150	WG729570
2-Chlorotoluene	mg/l	.025	0.0244	97.5	74.7-122	WG729570
4-Chlorotoluene	mg/l	.025	0.0242	96.7	77.5-120	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.152	122.	70.5-133	WG729570
Acetone	mg/l	.125	0.105	84.2	35.6-163	WG729570
Acrolein	mg/l	.125	0.0691	55.3	10-190	WG729570
Acrylonitrile	mg/l	.125	0.139	112.	55.2-130	WG729570
Benzene	mg/l	.025	0.0238	95.1	74.8-121	WG729570
Bromobenzene	mg/l	.025	0.0237	94.7	77.5-116	WG729570
Bromodichloromethane	mg/l	.025	0.0239	95.7	75.1-116	WG729570
Bromoform	mg/l	.025	0.0299	119.	67.5-130	WG729570
Bromomethane	mg/l	.025	0.0187	74.9	49.9-162	WG729570
Carbon tetrachloride	mg/l	.025	0.0223	89.3	70.2-123	WG729570
Chlorobenzene	mg/l	.025	0.0271	108.	78.1-119	WG729570
Chlorodibromomethane	mg/l	.025	0.0280	112.	74-121	WG729570
Chloroethane	mg/l	.025	0.0208	83.2	61.7-135	WG729570
Chloroform	mg/l	.025	0.0216	86.3	76-121	WG729570
Chloromethane	mg/l	.025	0.0267	107.	61.5-129	WG729570
cis-1,2-Dichloroethene	mg/l	.025	0.0222	88.8	76-119	WG729570
cis-1,3-Dichloropropene	mg/l	.025	0.0284	113.	78.2-120	WG729570
Di-isopropyl ether	mg/l	.025	0.0271	108.	65.6-132	WG729570
Dibromomethane	mg/l	.025	0.0241	96.5	79.5-118	WG729570
Dichlorodifluoromethane	mg/l	.025	0.0184	73.8	54.8-135	WG729570
Ethylbenzene	mg/l	.025	0.0258	103.	78.8-122	WG729570
Hexachloro-1,3-butadiene	mg/l	.025	0.0253	101.	64.7-129	WG729570
Isopropylbenzene	mg/l	.025	0.0241	96.4	78.6-132	WG729570
Methyl tert-butyl ether	mg/l	.025	0.0226	90.3	71.2-126	WG729570
Methylene Chloride	mg/l	.025	0.0212	84.7	70.3-120	WG729570
n-Butylbenzene	mg/l	.025	0.0242	96.9	76.2-126	WG729570
n-Propylbenzene	mg/l	.025	0.0236	94.4	78.2-122	WG729570
Naphthalene	mg/l	.025	0.0259	104.	68.4-128	WG729570
p-Isopropyltoluene	mg/l	.025	0.0240	96.1	74-131	WG729570
sec-Butylbenzene	mg/l	.025	0.0241	96.4	74.4-127	WG729570
Styrene	mg/l	.025	0.0266	106.	80.4-126	WG729570
tert-Butylbenzene	mg/l	.025	0.0255	102.	75.3-126	WG729570
Tetrachloroethene	mg/l	.025	0.0258	103.	72.6-126	WG729570
Toluene	mg/l	.025	0.0246	98.4	79.7-116	WG729570
trans-1,2-Dichloroethene	mg/l	.025	0.0219	87.5	72.6-121	WG729570
trans-1,3-Dichloropropene	mg/l	.025	0.0298	119.	74.3-123	WG729570

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Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/l	.025	0.0244	97.8	77.7-118	WG729570
Trichlorofluoromethane	mg/l	.025	0.0237	94.7	63.5-135	WG729570
Vinyl chloride	mg/l	.025	0.0194	77.7	65.9-128	WG729570
Xylenes, Total	mg/l	.075	0.0762	102.	78.7-121	WG729570
4-Bromofluorobenzene				95.10	71-126	WG729570
Dibromofluoromethane				88.30	78.3-121	WG729570
Toluene-d8				102.0	88.5-111	WG729570

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/l	0.623	0.645	62.0	50-100	3.44	20	WG727090
a,a,a-Trifluorotoluene(FID)				120.0	50-150			WG727090
Extractable Petroleum Hydrocarbon	mg/l	1.22	1.38	81.0	50-100	12.7	20	WG727771
o-Terphenyl				85.50	50-150			WG727771
Extractable Petroleum Hydrocarbon	mg/l	1.32	1.27	88.0	50-100	4.12	20	WG728409
o-Terphenyl				89.70	50-150			WG728409
1,1,1,2-Tetrachloroethane	mg/l	0.0264	0.0267	106.	74.2-124	1.06	20	WG727917
1,1,1-Trichloroethane	mg/l	0.0274	0.0260	110.	73.2-123	5.17	20	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0264	0.0257	106.	70.7-122	2.76	20	WG727917
1,1,2-Trichloroethane	mg/l	0.0269	0.0274	108.	77.7-118	1.81	20	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0250	0.0248	100.	67.2-143	0.710	20	WG727917
1,1-Dichloroethane	mg/l	0.0285	0.0277	114.	70.7-126	2.99	20	WG727917
1,1-Dichloroethene	mg/l	0.0265	0.0263	106.	67.8-129	0.680	20	WG727917
1,1-Dichloropropene	mg/l	0.0280	0.0275	112.	73.1-125	1.83	20	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0270	0.0270	108.	64.9-135	0.130	20	WG727917
1,2,3-Trichloropropane	mg/l	0.0273	0.0254	109.	71.8-121	7.21	20	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0281	0.0285	112.	72.3-116	1.37	20	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0248	0.0258	99.0	69.7-136	3.99	20	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0245	0.0259	98.0	75-123	5.44	20	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0262	0.0237	105.	65.4-128	9.80	20	WG727917
1,2-Dibromoethane	mg/l	0.0275	0.0273	110.	76.6-121	0.790	20	WG727917
1,2-Dichlorobenzene	mg/l	0.0266	0.0272	106.	78.4-117	2.14	20	WG727917
1,2-Dichloroethane	mg/l	0.0282	0.0267	113.	68.8-124	5.47	20	WG727917
1,2-Dichloropropane	mg/l	0.0296	0.0289	118.	76.5-119	2.30	20	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0259	0.0269	104.	75.6-124	3.49	20	WG727917
1,3-Dichlorobenzene	mg/l	0.0243	0.0255	97.0	70.8-128	4.86	20	WG727917
1,3-Dichloropropane	mg/l	0.0293	0.0293	117.	77.4-117	0.160	20	WG727917
1,4-Dichlorobenzene	mg/l	0.0269	0.0275	107.	78.8-115	2.41	20	WG727917
2,2-Dichloropropane	mg/l	0.0263	0.0239	105.	62.4-133	9.75	20	WG727917
2-Butanone (MEK)	mg/l	0.144	0.128	115.	55-149	11.7	20	WG727917
2-Chloroethyl vinyl ether	mg/l	0.154	0.148	123.	43.8-150	3.49	20	WG727917
2-Chlorotoluene	mg/l	0.0257	0.0275	103.	74.7-122	6.69	20	WG727917
4-Chlorotoluene	mg/l	0.0254	0.0269	101.	77.5-120	5.98	20	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.157	0.143	126.	70.5-133	9.77	20	WG727917
Acetone	mg/l	0.115	0.107	92.0	35.6-163	7.69	23.9	WG727917
Acrolein	mg/l	0.0762	0.0669	61.0	10-190	13.0	28.1	WG727917
Acrylonitrile	mg/l	0.152	0.137	121.	55.2-130	9.89	20	WG727917
Benzene	mg/l	0.0284	0.0279	114.	74.8-121	1.77	20	WG727917
Bromobenzene	mg/l	0.0253	0.0261	101.	77.5-116	2.87	20	WG727917
Bromodichloromethane	mg/l	0.0275	0.0269	110.	75.1-116	2.23	20	WG727917
Bromoform	mg/l	0.0295	0.0288	118.	67.5-130	2.38	20	WG727917
Bromomethane	mg/l	0.0309	0.0304	124.	49.9-162	1.79	20	WG727917

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Carbon tetrachloride	mg/l	0.0279	0.0273	112.	70.2-123	2.16	20	WG727917
Chlorobenzene	mg/l	0.0287	0.0295	115.	78.1-119	2.92	20	WG727917
Chlorodibromomethane	mg/l	0.0289	0.0287	115.	74-121	0.470	20	WG727917
Chloroethane	mg/l	0.0356	0.0330	142*	61.7-135	7.56	20	WG727917
Chloroform	mg/l	0.0262	0.0254	105.	76-121	3.01	20	WG727917
Chloromethane	mg/l	0.0316	0.0309	126.	61.5-129	2.28	20	WG727917
cis-1,2-Dichloroethene	mg/l	0.0268	0.0260	107.	76-119	3.16	20	WG727917
cis-1,3-Dichloropropene	mg/l	0.0302	0.0298	121*	78.2-120	1.46	20	WG727917
Di-isopropyl ether	mg/l	0.0319	0.0308	128.	65.6-132	3.62	20	WG727917
Dibromomethane	mg/l	0.0265	0.0250	106.	79.5-118	5.46	20	WG727917
Dichlorodifluoromethane	mg/l	0.0259	0.0255	104.	54.8-135	1.71	20	WG727917
Ethylbenzene	mg/l	0.0284	0.0295	114.	78.8-122	3.66	20	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0249	0.0255	100.	64.7-129	2.12	20	WG727917
Isopropylbenzene	mg/l	0.0264	0.0275	106.	78.6-132	3.88	20	WG727917
Methyl tert-butyl ether	mg/l	0.0264	0.0247	106.	71.2-126	6.54	20	WG727917
Methylene Chloride	mg/l	0.0253	0.0244	101.	70.3-120	3.76	20	WG727917
n-Butylbenzene	mg/l	0.0261	0.0277	104.	76.2-126	5.70	20	WG727917
n-Propylbenzene	mg/l	0.0257	0.0268	103.	78.2-122	4.42	20	WG727917
Naphthalene	mg/l	0.0269	0.0259	108.	68.4-128	3.87	20	WG727917
p-Isopropyltoluene	mg/l	0.0260	0.0275	104.	74-131	5.43	20	WG727917
sec-Butylbenzene	mg/l	0.0265	0.0277	106.	74.4-127	4.49	20	WG727917
Styrene	mg/l	0.0282	0.0291	113.	80.4-126	3.07	20	WG727917
tert-Butylbenzene	mg/l	0.0273	0.0284	109.	75.3-126	3.65	20	WG727917
Tetrachloroethene	mg/l	0.0267	0.0274	107.	72.6-126	2.35	20	WG727917
Toluene	mg/l	0.0273	0.0277	109.	79.7-116	1.31	20	WG727917
trans-1,2-Dichloroethene	mg/l	0.0262	0.0258	105.	72.6-121	1.44	20	WG727917
trans-1,3-Dichloropropene	mg/l	0.0305	0.0300	122.	74.3-123	1.91	20	WG727917
Trichloroethene	mg/l	0.0273	0.0271	109.	77.7-118	0.410	20	WG727917
Trichlorofluoromethane	mg/l	0.0288	0.0276	115.	63.5-135	4.26	20	WG727917
Vinyl chloride	mg/l	0.0300	0.0291	120.	65.9-128	2.84	20	WG727917
Xylenes, Total	mg/l	0.0820	0.0864	109.	78.7-121	5.24	20	WG727917
4-Bromofluorobenzene				91.90	71-126			WG727917
Dibromofluoromethane				96.30	78.3-121			WG727917
Toluene-d8				103.0	88.5-111			WG727917
Acenaphthene	mg/l	0.00204	0.00210	102.	76.2-136	2.50	20	WG728445
Acenaphthylene	mg/l	0.00203	0.00209	101.	71.3-139	3.23	20	WG728445
Anthracene	mg/l	0.00230	0.00235	115.	77.3-144	2.33	20	WG728445
Benzo(a)anthracene	mg/l	0.00199	0.00209	100.	71.4-142	4.63	20	WG728445
Benzo(a)pyrene	mg/l	0.00214	0.00218	107.	70.8-140	1.72	20	WG728445
Benzo(b)fluoranthene	mg/l	0.00190	0.00196	95.0	68-142	3.16	20	WG728445
Benzo(g,h,i)perylene	mg/l	0.00212	0.00211	106.	62.8-146	0.280	20	WG728445
Benzo(k)fluoranthene	mg/l	0.00237	0.00231	119.	70.1-144	2.57	20	WG728445
Chrysene	mg/l	0.00231	0.00237	115.	73.6-143	2.53	20	WG728445
Dibenz(a,h)anthracene	mg/l	0.00213	0.00213	106.	56.1-147	0.410	20	WG728445
Fluoranthene	mg/l	0.00216	0.00223	108.	77.9-147	3.14	20	WG728445
Fluorene	mg/l	0.00204	0.00212	102.	75.3-136	3.49	20	WG728445
Indeno(1,2,3-cd)pyrene	mg/l	0.00215	0.00215	107.	61.6-147	0.320	20	WG728445
Naphthalene	mg/l	0.00191	0.00197	95.0	72.2-137	3.46	20	WG728445
Phenanthrene	mg/l	0.00209	0.00215	104.	76-133	2.95	20	WG728445
Pyrene	mg/l	0.00197	0.00205	98.0	73-139	4.25	20	WG728445
2-Fluorobiphenyl				104.0	57.7-153			WG728445
Nitrobenzene-d5				104.0	45.1-170			WG728445
p-Terphenyl-d14				94.00	53.2-156			WG728445
PCB 1016	mg/l	0.000312	0.000356	62.0	24.7-128	13.1	34.9	WG728167
PCB 1260	mg/l	0.000463	0.000397	93.0	47.7-149	15.5	28.8	WG728167

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Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Sample Duplicate RPD	Limit	Batch
Decachlorobiphenyl				102.0	10-156			
Tetrachloro-m-xylene				100.0	13.9-137			
Barium	mg/l	1.03	1.03	103.	80-120	0.0	20	WG728454
Cadmium	mg/l	1.00	1.00	100.	80-120	0.0	20	WG728454
Chromium	mg/l	1.01	1.00	100.	80-120	0.0	20	WG728454
Lead	mg/l	1.05	1.06	105.	80-120	1.00	20	WG728454
Silver	mg/l	1.01	1.01	101.	80-120	0.0	20	WG728454
Selenium	mg/l	1.00	1.00	100.	80-120	0.0	20	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.596	0.628	60.0	50-100	5.24	20	WG728273
a,a,a-Trifluorotoluene(FID)				107.0	50-150			WG728273
cis-1,2-Dichloroethene	mg/l	0.0248	0.0250	99.0	76-119	0.710	20	WG728871
Tetrachloroethene	mg/l	0.0287	0.0288	115.	72.6-126	0.260	20	WG728871
Trichloroethene	mg/l	0.0273	0.0279	109.	77.7-118	2.35	20	WG728871
4-Bromofluorobenzene				92.70	71-126			WG728871
Dibromofluoromethane				97.90	78.3-121			WG728871
Toluene-d8				103.0	88.5-111			WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0249	0.0252	100.	74.2-124	1.12	20	WG728924
1,1,1-Trichloroethane	mg/l	0.0239	0.0239	96.0	73.2-123	0.250	20	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0249	0.0252	100.	70.7-122	1.20	20	WG728924
1,1,2-Trichloroethane	mg/l	0.0247	0.0243	99.0	77.7-118	1.76	20	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0277	0.0277	111.	67.2-143	0.0100	20	WG728924
1,1-Dichloroethane	mg/l	0.0259	0.0256	104.	70.7-126	1.12	20	WG728924
1,1-Dichloroethene	mg/l	0.0262	0.0262	105.	67.8-129	0.290	20	WG728924
1,1-Dichloropropene	mg/l	0.0262	0.0262	105.	73.1-125	0.130	20	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0239	0.0244	96.0	64.9-135	2.16	20	WG728924
1,2,3-Trichloropropane	mg/l	0.0237	0.0242	95.0	71.8-121	2.20	20	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0249	0.0253	100.	72.3-116	1.39	20	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0249	97.0	69.7-136	2.89	20	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0254	0.0256	102.	75-123	0.630	20	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0225	0.0234	90.0	65.4-128	3.95	20	WG728924
1,2-Dibromoethane	mg/l	0.0251	0.0244	100.	76.6-121	2.46	20	WG728924
1,2-Dichlorobenzene	mg/l	0.0248	0.0252	99.0	78.4-117	1.51	20	WG728924
1,2-Dichloroethane	mg/l	0.0229	0.0229	92.0	68.8-124	0.300	20	WG728924
1,2-Dichloropropane	mg/l	0.0260	0.0262	104.	76.5-119	0.550	20	WG728924
1,3,5-Trimethylbenzene	mg/l	0.0265	0.0264	106.	75.6-124	0.340	20	WG728924
1,3-Dichlorobenzene	mg/l	0.0246	0.0247	98.0	70.8-128	0.500	20	WG728924
1,3-Dichloropropane	mg/l	0.0247	0.0245	99.0	77.4-117	0.900	20	WG728924
1,4-Dichlorobenzene	mg/l	0.0241	0.0246	96.0	78.8-115	1.97	20	WG728924
2,2-Dichloropropane	mg/l	0.0243	0.0235	97.0	62.4-133	3.27	20	WG728924
2-Butanone (MEK)	mg/l	0.108	0.106	86.0	55-149	1.35	20	WG728924
2-Chloroethyl vinyl ether	mg/l	0.104	0.106	83.0	43.8-150	1.27	20	WG728924
2-Chlorotoluene	mg/l	0.0255	0.0260	102.	74.7-122	1.65	20	WG728924
4-Chlorotoluene	mg/l	0.0259	0.0254	104.	77.5-120	1.88	20	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.119	0.120	95.0	70.5-133	1.10	20	WG728924
Acetone	mg/l	0.102	0.101	82.0	35.6-163	1.06	23.9	WG728924
Acrolein	mg/l	0.140	0.143	112.	10-190	2.60	28.1	WG728924
Acrylonitrile	mg/l	0.122	0.123	98.0	55.2-130	0.360	20	WG728924
Benzene	mg/l	0.0259	0.0259	104.	74.8-121	0.230	20	WG728924
Bromobenzene	mg/l	0.0246	0.0242	98.0	77.5-116	1.45	20	WG728924
Bromodichloromethane	mg/l	0.0244	0.0240	98.0	75.1-116	1.53	20	WG728924
Bromoform	mg/l	0.0240	0.0240	96.0	67.5-130	0.0600	20	WG728924
Bromomethane	mg/l	0.0207	0.0212	83.0	49.9-162	2.44	20	WG728924
Carbon tetrachloride	mg/l	0.0229	0.0232	92.0	70.2-123	0.980	20	WG728924

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chlorobenzene	mg/l	0.0259	0.0257	103.	78.1-119	0.600	20	WG728924
Chlorodibromomethane	mg/l	0.0238	0.0242	95.0	74-121	1.82	20	WG728924
Chloroethane	mg/l	0.0240	0.0235	96.0	61.7-135	2.19	20	WG728924
Chloroform	mg/l	0.0239	0.0241	96.0	76-121	0.420	20	WG728924
Chloromethane	mg/l	0.0226	0.0227	90.0	61.5-129	0.140	20	WG728924
cis-1,2-Dichloroethene	mg/l	0.0268	0.0265	107.	76-119	1.04	20	WG728924
cis-1,3-Dichloropropene	mg/l	0.0265	0.0262	106.	78.2-120	1.20	20	WG728924
Di-isopropyl ether	mg/l	0.0251	0.0247	100.	65.6-132	1.52	20	WG728924
Dibromomethane	mg/l	0.0246	0.0248	98.0	79.5-118	0.760	20	WG728924
Dichlorodifluoromethane	mg/l	0.0236	0.0235	94.0	54.8-135	0.540	20	WG728924
Ethylbenzene	mg/l	0.0254	0.0253	102.	78.8-122	0.420	20	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0232	0.0237	93.0	64.7-129	2.33	20	WG728924
Isopropylbenzene	mg/l	0.0263	0.0263	105.	78.6-132	0.310	20	WG728924
Methyl tert-butyl ether	mg/l	0.0259	0.0259	103.	71.2-126	0.280	20	WG728924
Methylene Chloride	mg/l	0.0259	0.0257	104.	70.3-120	0.700	20	WG728924
n-Butylbenzene	mg/l	0.0259	0.0264	104.	76.2-126	1.97	20	WG728924
n-Propylbenzene	mg/l	0.0254	0.0255	102.	78.2-122	0.430	20	WG728924
Naphthalene	mg/l	0.0243	0.0245	97.0	68.4-128	0.800	20	WG728924
p-Isopropyltoluene	mg/l	0.0261	0.0263	104.	74-131	0.860	20	WG728924
sec-Butylbenzene	mg/l	0.0260	0.0262	104.	74.4-127	0.640	20	WG728924
Styrene	mg/l	0.0263	0.0261	105.	80.4-126	0.790	20	WG728924
tert-Butylbenzene	mg/l	0.0261	0.0261	104.	75.3-126	0.0800	20	WG728924
Tetrachloroethene	mg/l	0.0238	0.0239	95.0	72.6-126	0.460	20	WG728924
Toluene	mg/l	0.0251	0.0253	100.	79.7-116	0.880	20	WG728924
trans-1,2-Dichloroethene	mg/l	0.0271	0.0267	108.	72.6-121	1.61	20	WG728924
trans-1,3-Dichloropropene	mg/l	0.0252	0.0249	101.	74.3-123	1.09	20	WG728924
Trichloroethene	mg/l	0.0250	0.0250	100.	77.7-118	0.0700	20	WG728924
Trichlorofluoromethane	mg/l	0.0215	0.0218	86.0	63.5-135	1.69	20	WG728924
Vinyl chloride	mg/l	0.0236	0.0234	94.0	65.9-128	0.830	20	WG728924
Xylenes, Total	mg/l	0.0751	0.0749	100.	78.7-121	0.310	20	WG728924
4-Bromofluorobenzene				101.0	71-126			WG728924
Dibromofluoromethane				98.90	78.3-121			WG728924
Toluene-d8				102.0	88.5-111			WG728924
Acenaphthene	mg/l	0.00212	0.00197	106.	76.2-136	7.26	20	WG728444
Acenaphthylene	mg/l	0.00214	0.00199	107.	71.3-139	7.47	20	WG728444
Anthracene	mg/l	0.00235	0.00219	117.	77.3-144	7.08	20	WG728444
Benzo(a)anthracene	mg/l	0.00199	0.00188	100.	71.4-142	5.79	20	WG728444
Benzo(a)pyrene	mg/l	0.00208	0.00195	104.	70.8-140	6.51	20	WG728444
Benzo(b)fluoranthene	mg/l	0.00199	0.00181	100.	68-142	9.58	20	WG728444
Benzo(g,h,i)perylene	mg/l	0.00211	0.00194	105.	62.8-146	8.05	20	WG728444
Benzo(k)fluoranthene	mg/l	0.00221	0.00207	110.	70.1-144	6.70	20	WG728444
Chrysene	mg/l	0.00231	0.00221	116.	73.6-143	4.32	20	WG728444
Dibenz(a,h)anthracene	mg/l	0.00187	0.00174	93.0	56.1-147	7.03	20	WG728444
Fluoranthene	mg/l	0.00217	0.00203	108.	77.9-147	6.30	20	WG728444
Fluorene	mg/l	0.00212	0.00198	106.	75.3-136	6.66	20	WG728444
Indeno(1,2,3-cd)pyrene	mg/l	0.00201	0.00186	100.	61.6-147	7.90	20	WG728444
Naphthalene	mg/l	0.00199	0.00190	100.	72.2-137	4.93	20	WG728444
Phenanthrene	mg/l	0.00205	0.00192	103.	76-133	6.52	20	WG728444
Pyrene	mg/l	0.00210	0.00196	105.	73-139	6.92	20	WG728444
2-Fluorobiphenyl				108.0	57.7-153			WG728444
Nitrobenzene-d5				111.0	45.1-170			WG728444
p-Terphenyl-d14				97.00	53.2-156			WG728444
Arsenic	mg/l	0.0547	0.0550	109.	85-115	1.00	20	WG728531

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Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Acenaphthene	mg/l	0.00227	0.00219	113.	76.2-136	3.29	20	WG728625
Acenaphthylene	mg/l	0.00231	0.00224	116.	71.3-139	3.21	20	WG728625
Anthracene	mg/l	0.00258	0.00249	129.	77.3-144	3.46	20	WG728625
Benzo(a)anthracene	mg/l	0.00226	0.00221	113.	71.4-142	2.42	20	WG728625
Benzo(a)pyrene	mg/l	0.00240	0.00233	120.	70.8-140	3.02	20	WG728625
Benzo(b)fluoranthene	mg/l	0.00205	0.00202	103.	68-142	1.77	20	WG728625
Benzo(g,h,i)perylene	mg/l	0.00235	0.00226	117.	62.8-146	3.64	20	WG728625
Benzo(k)fluoranthene	mg/l	0.00265	0.00252	132.	70.1-144	5.06	20	WG728625
Chrysene	mg/l	0.00259	0.00251	129.	73.6-143	2.86	20	WG728625
Dibenz(a,h)anthracene	mg/l	0.00235	0.00229	118.	56.1-147	2.78	20	WG728625
Fluoranthene	mg/l	0.00246	0.00243	123.	77.9-147	1.18	20	WG728625
Fluorene	mg/l	0.00230	0.00222	115.	75.3-136	3.55	20	WG728625
Indeno(1,2,3-cd)pyrene	mg/l	0.00239	0.00232	120.	61.6-147	2.98	20	WG728625
Naphthalene	mg/l	0.00214	0.00207	107.	72.2-137	3.72	20	WG728625
Phenanthrene	mg/l	0.00227	0.00221	114.	76-133	2.73	20	WG728625
Pyrene	mg/l	0.00221	0.00218	110.	73-139	1.06	20	WG728625
2-Fluorobiphenyl				113.0	57.7-153			WG728625
Nitrobenzene-d5				117.0	45.1-170			WG728625
p-Terphenyl-d14				107.0	53.2-156			WG728625
1,1,1,2-Tetrachloroethane	mg/l	0.0255	0.0245	102.	74.2-124	3.77	20	WG729570
1,1,1-Trichloroethane	mg/l	0.0223	0.0214	89.0	73.2-123	4.26	20	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0276	0.0253	110.	70.7-122	8.89	20	WG729570
1,1,2-Trichloroethane	mg/l	0.0281	0.0270	112.	77.7-118	3.75	20	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0214	0.0206	85.0	67.2-143	3.72	20	WG729570
1,1-Dichloroethane	mg/l	0.0249	0.0235	100.	70.7-126	5.93	20	WG729570
1,1-Dichloroethene	mg/l	0.0232	0.0219	93.0	67.8-129	5.44	20	WG729570
1,1-Dichloropropene	mg/l	0.0241	0.0229	96.0	73.1-125	5.24	20	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0305	0.0284	122.	64.9-135	7.08	20	WG729570
1,2,3-Trichloropropane	mg/l	0.0265	0.0255	106.	71.8-121	3.64	20	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0253	0.0244	101.	72.3-116	3.67	20	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0285	0.0263	114.	69.7-136	8.25	20	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0244	0.0231	97.0	75-123	5.42	20	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0294	0.0270	118.	65.4-128	8.78	20	WG729570
1,2-Dibromoethane	mg/l	0.0281	0.0272	112.	76.6-121	3.12	20	WG729570
1,2-Dichlorobenzene	mg/l	0.0269	0.0256	108.	78.4-117	5.00	20	WG729570
1,2-Dichloroethane	mg/l	0.0239	0.0227	96.0	68.8-124	5.17	20	WG729570
1,2-Dichloropropane	mg/l	0.0288	0.0267	115.	76.5-119	7.61	20	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0244	0.0235	98.0	75.6-124	4.00	20	WG729570
1,3-Dichlorobenzene	mg/l	0.0251	0.0243	100.	70.8-128	3.33	20	WG729570
1,3-Dichloropropane	mg/l	0.0300	0.0286	120*	77.4-117	4.71	20	WG729570
1,4-Dichlorobenzene	mg/l	0.0260	0.0253	104.	78.8-115	2.86	20	WG729570
2,2-Dichloropropane	mg/l	0.0182	0.0168	73.0	62.4-133	7.81	20	WG729570
2-Butanone (MEK)	mg/l	0.153	0.132	122.	55-149	14.6	20	WG729570
2-Chloroethyl vinyl ether	mg/l	0.165	0.153	132.	43.8-150	7.35	20	WG729570
2-Chlorotoluene	mg/l	0.0251	0.0244	100.	74.7-122	2.84	20	WG729570
4-Chlorotoluene	mg/l	0.0250	0.0242	100.	77.5-120	3.56	20	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.174	0.152	139*	70.5-133	13.2	20	WG729570
Acetone	mg/l	0.118	0.105	95.0	35.6-163	11.7	23.9	WG729570
Acrolein	mg/l	0.0687	0.0691	55.0	10-190	0.610	28.1	WG729570
Acrylonitrile	mg/l	0.158	0.139	126.	55.2-130	12.3	20	WG729570
Benzene	mg/l	0.0250	0.0238	100.	74.8-121	4.87	20	WG729570
Bromobenzene	mg/l	0.0245	0.0237	98.0	77.5-116	3.34	20	WG729570
Bromodichloromethane	mg/l	0.0254	0.0239	102.	75.1-116	6.17	20	WG729570
Bromoform	mg/l	0.0321	0.0299	128.	67.5-130	7.34	20	WG729570
Bromomethane	mg/l	0.0198	0.0187	79.0	49.9-162	5.53	20	WG729570
Carbon tetrachloride	mg/l	0.0234	0.0223	94.0	70.2-123	4.74	20	WG729570
Chlorobenzene	mg/l	0.0279	0.0271	112.	78.1-119	3.01	20	WG729570

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chlorodibromomethane	mg/l	0.0292	0.0280	117.	74-121	4.46	20	WG729570
Chloroethane	mg/l	0.0219	0.0208	87.0	61.7-135	5.00	20	WG729570
Chloroform	mg/l	0.0227	0.0216	91.0	76-121	5.20	20	WG729570
Chloromethane	mg/l	0.0281	0.0267	112.	61.5-129	5.09	20	WG729570
cis-1,2-Dichloroethene	mg/l	0.0237	0.0222	95.0	76-119	6.47	20	WG729570
cis-1,3-Dichloropropene	mg/l	0.0297	0.0284	119.	78.2-120	4.49	20	WG729570
Di-isopropyl ether	mg/l	0.0291	0.0271	116.	65.6-132	6.93	20	WG729570
Dibromomethane	mg/l	0.0253	0.0241	101.	79.5-118	4.73	20	WG729570
Dichlorodifluoromethane	mg/l	0.0195	0.0184	78.0	54.8-135	5.48	20	WG729570
Ethylbenzene	mg/l	0.0266	0.0258	106.	78.8-122	3.07	20	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0267	0.0253	107.	64.7-129	5.21	20	WG729570
Isopropylbenzene	mg/l	0.0252	0.0241	101.	78.6-132	4.38	20	WG729570
Methyl tert-butyl ether	mg/l	0.0239	0.0226	96.0	71.2-126	5.81	20	WG729570
Methylene Chloride	mg/l	0.0222	0.0212	89.0	70.3-120	4.54	20	WG729570
n-Butylbenzene	mg/l	0.0251	0.0242	100.	76.2-126	3.52	20	WG729570
n-Propylbenzene	mg/l	0.0247	0.0236	99.0	78.2-122	4.45	20	WG729570
Naphthalene	mg/l	0.0289	0.0259	115.	68.4-128	10.7	20	WG729570
p-Isopropyltoluene	mg/l	0.0258	0.0240	103.	74-131	6.99	20	WG729570
sec-Butylbenzene	mg/l	0.0254	0.0241	102.	74.4-127	5.25	20	WG729570
Styrene	mg/l	0.0275	0.0266	110.	80.4-126	3.39	20	WG729570
tert-Butylbenzene	mg/l	0.0263	0.0255	105.	75.3-126	2.90	20	WG729570
Tetrachloroethene	mg/l	0.0267	0.0258	107.	72.6-126	3.45	20	WG729570
Toluene	mg/l	0.0258	0.0246	103.	79.7-116	4.89	20	WG729570
trans-1,2-Dichloroethene	mg/l	0.0225	0.0219	90.0	72.6-121	2.98	20	WG729570
trans-1,3-Dichloropropene	mg/l	0.0323	0.0298	129*	74.3-123	8.15	20	WG729570
Trichloroethene	mg/l	0.0258	0.0244	103.	77.7-118	5.33	20	WG729570
Trichlorofluoromethane	mg/l	0.0250	0.0237	100.	63.5-135	5.54	20	WG729570
Vinyl chloride	mg/l	0.0210	0.0194	84.0	65.9-128	7.96	20	WG729570
Xylenes, Total	mg/l	0.0783	0.0762	104.	78.7-121	2.67	20	WG729570
4-Bromofluorobenzene				95.50	71-126			WG729570
Dibromofluoromethane				89.90	78.3-121			WG729570
Toluene-d8				103.0	88.5-111			WG729570

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00296	0.0000486	.003	97.0	80-120	L706097-03	WG727902
TPH (GC/FID) Low Fraction	mg/l	0.639	0.0256	1	61.0	50-100	L705056-01	WG727090
a,a,a-Trifluorotoluene(FID)					94.50	50-150		WG727090
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0	.025	100.	64-128	L706104-01	WG727917
1,1,1-Trichloroethane	mg/l	0.0266	0.0	.025	110.	58.7-134	L706104-01	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0252	0.0	.025	100.	56-132	L706104-01	WG727917
1,1,2-Trichloroethane	mg/l	0.0254	0.0	.025	100.	66.3-125	L706104-01	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0254	0.0	.025	100.	54.8-154	L706104-01	WG727917
1,1-Dichloroethane	mg/l	0.0272	0.0	.025	110.	58.5-132	L706104-01	WG727917
1,1-Dichloroethene	mg/l	0.0261	0.0	.025	100.	51.1-140	L706104-01	WG727917
1,1-Dichloropropene	mg/l	0.0267	0.0	.025	110.	57.3-136	L706104-01	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0288	0.0	.025	120.	59.1-138	L706104-01	WG727917
1,2,3-Trichloropropane	mg/l	0.0248	0.0	.025	99.0	61.4-128	L706104-01	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0281	0.000398	.025	110.	61.3-122	L706104-01	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0275	0.0	.025	110.	63.6-143	L706104-01	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0243	0.0	.025	97.0	57.4-137	L706104-01	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0265	0.0	.025	110.	57.3-136	L706104-01	WG727917
1,2-Dibromoethane	mg/l	0.0249	0.0	.025	99.0	67.1-125	L706104-01	WG727917
1,2-Dichlorobenzene	mg/l	0.0265	0.0	.025	110.	68.2-123	L706104-01	WG727917

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dichloroethane	mg/l	0.0260	0.0	.025	100.	60-126	L706104-01	WG727917
1,2-Dichloropropane	mg/l	0.0275	0.0	.025	110.	64.2-123	L706104-01	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0255	0.0	.025	100.	63.6-132	L706104-01	WG727917
1,3-Dichlorobenzene	mg/l	0.0242	0.0	.025	97.0	63.1-131	L706104-01	WG727917
1,3-Dichloropropane	mg/l	0.0264	0.0	.025	110.	67.9-121	L706104-01	WG727917
1,4-Dichlorobenzene	mg/l	0.0261	0.0	.025	100.	68.6-123	L706104-01	WG727917
2,2-Dichloropropane	mg/l	0.0258	0.0	.025	100.	50.5-144	L706104-01	WG727917
2-Butanone (MEK)	mg/l	0.125	0.00935	.125	93.0	22.4-138	L706104-01	WG727917
2-Chloroethyl vinyl ether	mg/l	0.00433	0.0	.125	3.50*	10-155	L706104-01	WG727917
2-Chlorotoluene	mg/l	0.0254	0.0	.025	100.	63.6-128	L706104-01	WG727917
4-Chlorotoluene	mg/l	0.0249	0.0	.025	100.	65.7-127	L706104-01	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.143	0.0	.125	110.	60.8-140	L706104-01	WG727917
Acetone	mg/l	0.0894	0.00628	.125	66.0	10-130	L706104-01	WG727917
Acrolein	mg/l	0.0512	0.0	.125	41.0	10-200	L706104-01	WG727917
Acrylonitrile	mg/l	0.137	0.0	.125	110.	49.4-133	L706104-01	WG727917
Benzene	mg/l	0.0266	0.0	.025	110.	54.3-133	L706104-01	WG727917
Bromobenzene	mg/l	0.0241	0.0	.025	96.0	63.9-124	L706104-01	WG727917
Bromodichloromethane	mg/l	0.0249	0.0	.025	100.	63.9-121	L706104-01	WG727917
Bromoform	mg/l	0.0279	0.0	.025	110.	59.5-134	L706104-01	WG727917
Bromomethane	mg/l	0.0304	0.0	.025	120.	41.7-155	L706104-01	WG727917
Carbon tetrachloride	mg/l	0.0274	0.0	.025	110.	55.7-134	L706104-01	WG727917
Chlorobenzene	mg/l	0.0268	0.0	.025	110.	67-125	L706104-01	WG727917
Chlorodibromomethane	mg/l	0.0267	0.0	.025	110.	64.3-125	L706104-01	WG727917
Chloroethane	mg/l	0.0296	0.0	.025	120.	51.5-136	L706104-01	WG727917
Chloroform	mg/l	0.0248	0.0	.025	99.0	63-129	L706104-01	WG727917
Chloromethane	mg/l	0.0306	0.0	.025	120.	42.4-135	L706104-01	WG727917
cis-1,2-Dichloroethene	mg/l	0.0251	0.0	.025	100.	59.2-129	L706104-01	WG727917
cis-1,3-Dichloropropene	mg/l	0.0272	0.0	.025	110.	66.4-125	L706104-01	WG727917
Di-isopropyl ether	mg/l	0.0301	0.0	.025	120.	56.9-136	L706104-01	WG727917
Dibromomethane	mg/l	0.0249	0.0	.025	99.0	68.2-124	L706104-01	WG727917
Dichlorodifluoromethane	mg/l	0.0258	0.0	.025	100.	40.6-144	L706104-01	WG727917
Ethylbenzene	mg/l	0.0270	0.0	.025	110.	61.4-133	L706104-01	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0259	0.0	.025	100.	55.1-136	L706104-01	WG727917
Isopropylbenzene	mg/l	0.0261	0.0	.025	100.	66.8-141	L706104-01	WG727917
Methyl tert-butyl ether	mg/l	0.0244	0.0	.025	98.0	57.7-134	L706104-01	WG727917
Methylene Chloride	mg/l	0.0238	0.0	.025	95.0	58.1-122	L706104-01	WG727917
n-Butylbenzene	mg/l	0.0279	0.0	.025	110.	62.7-140	L706104-01	WG727917
n-Propylbenzene	mg/l	0.0252	0.0	.025	100.	65.9-131	L706104-01	WG727917
Naphthalene	mg/l	0.0276	0.0	.025	110.	58-135	L706104-01	WG727917
p-Isopropyltoluene	mg/l	0.0263	0.0	.025	100.	63.2-139	L706104-01	WG727917
sec-Butylbenzene	mg/l	0.0265	0.0	.025	110.	62.2-136	L706104-01	WG727917
Styrene	mg/l	0.0263	0.0	.025	100.	66.8-133	L706104-01	WG727917
tert-Butylbenzene	mg/l	0.0268	0.0	.025	110.	63.3-134	L706104-01	WG727917
Tetrachloroethene	mg/l	0.0264	0.00103	.025	100.	53-139	L706104-01	WG727917
Toluene	mg/l	0.0261	0.000524	.025	100.	61.4-130	L706104-01	WG727917
trans-1,2-Dichloroethene	mg/l	0.0252	0.0	.025	100.	56.5-129	L706104-01	WG727917
trans-1,3-Dichloropropene	mg/l	0.0276	0.0	.025	110.	64.1-128	L706104-01	WG727917
Trichloroethene	mg/l	0.0258	0.000502	.025	100.	44.1-149	L706104-01	WG727917
Trichlorofluoromethane	mg/l	0.0290	0.0	.025	120.	49.6-145	L706104-01	WG727917
Vinyl chloride	mg/l	0.0298	0.0	.025	120.	47.8-137	L706104-01	WG727917
Xylenes, Total	mg/l	0.0801	0.000485	.075	110.	63.3-131	L706104-01	WG727917
4-Bromofluorobenzene					90.10	71-126		WG727917
Dibromofluoromethane					97.20	78.3-121		WG727917
Toluene-d8					101.0	88.5-111		WG727917
Extractable Petroleum Hydrocarbon	mg/l	1.75	0.322	1.35135	95.0	50-100	L706424-02	WG728409
o-Terphenyl					87.80	50-150		WG728409

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Barium	mg/l	1.12	0.0774	1	100.	75-125	L706097-08	WG728454
Chromium	mg/l	1.02	0.00161	1	100.	75-125	L706097-08	WG728454
Lead	mg/l	1.06	0.00295	1	100.	75-125	L706097-08	WG728454
Silver	mg/l	0.302	0.00137	1	30.0*	75-125	L706097-08	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.528	0.00871	1	52.0	50-100	L705924-02	WG728273
a,a,a-Trifluorotoluene(FID)					68.10	50-150		WG728273
cis-1,2-Dichloroethene	mg/l	0.0246	0.0	.025	98.0	59.2-129	L706031-05	WG728871
Tetrachloroethene	mg/l	0.0287	0.0	.025	120.	53-139	L706031-05	WG728871
Trichloroethene	mg/l	0.0278	0.0	.025	110.	44.1-149	L706031-05	WG728871
4-Bromofluorobenzene					95.10	71-126		WG728871
Dibromofluoromethane					97.40	78.3-121		WG728871
Toluene-d8					103.0	88.5-111		WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0254	0.0	.025	100.	64-128	L705933-12	WG728924
1,1,1-Trichloroethane	mg/l	0.0254	0.0	.025	100.	58.7-134	L705933-12	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0276	0.0	.025	110.	56-132	L705933-12	WG728924
1,1,2-Trichloroethane	mg/l	0.0270	0.0	.025	110.	66.3-125	L705933-12	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0289	0.0	.025	120.	54.8-154	L705933-12	WG728924
1,1-Dichloroethane	mg/l	0.0278	0.0	.025	110.	58.5-132	L705933-12	WG728924
1,1-Dichloroethene	mg/l	0.0281	0.0	.025	110.	51.1-140	L705933-12	WG728924
1,1-Dichloropropene	mg/l	0.0283	0.0	.025	110.	57.3-136	L705933-12	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0	.025	100.	59.1-138	L705933-12	WG728924
1,2,3-Trichloropropane	mg/l	0.0262	0.0	.025	100.	61.4-128	L705933-12	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0272	0.000817	.025	110.	61.3-122	L705933-12	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0271	0.0	.025	110.	63.6-143	L705933-12	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0365	0.0109	.025	100.	57.4-137	L705933-12	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0272	0.0	.025	110.	57.3-136	L705933-12	WG728924
1,2-Dibromoethane	mg/l	0.0271	0.0	.025	110.	67.1-125	L705933-12	WG728924
1,2-Dichlorobenzene	mg/l	0.0269	0.0	.025	110.	68.2-123	L705933-12	WG728924
1,2-Dichloroethane	mg/l	0.0257	0.0	.025	100.	60-126	L705933-12	WG728924
1,2-Dichloropropane	mg/l	0.0276	0.0	.025	110.	64.2-123	L705933-12	WG728924
1,3,5-Trimethylbenzene	mg/l	0.0275	0.000384	.025	110.	63.6-132	L705933-12	WG728924
1,3-Dichlorobenzene	mg/l	0.0258	0.0	.025	100.	63.1-131	L705933-12	WG728924
1,3-Dichloropropane	mg/l	0.0266	0.0	.025	110.	67.9-121	L705933-12	WG728924
1,4-Dichlorobenzene	mg/l	0.0258	0.0	.025	100.	68.6-123	L705933-12	WG728924
2,2-Dichloropropane	mg/l	0.0254	0.0	.025	100.	50.5-144	L705933-12	WG728924
2-Butanone (MEK)	mg/l	0.134	0.0	.125	110.	22.4-138	L705933-12	WG728924
2-Chloroethyl vinyl ether	mg/l	0.000347	0.0	.125	0.280*	10-155	L705933-12	WG728924
2-Chlorotoluene	mg/l	0.0269	0.0	.025	110.	63.6-128	L705933-12	WG728924
4-Chlorotoluene	mg/l	0.0265	0.0	.025	110.	65.7-127	L705933-12	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.143	0.0	.125	110.	60.8-140	L705933-12	WG728924
Acetone	mg/l	0.133	0.0108	.125	98.0	10-130	L705933-12	WG728924
Acrolein	mg/l	0.176	0.0	.125	140.	10-200	L705933-12	WG728924
Acrylonitrile	mg/l	0.150	0.0	.125	120.	49.4-133	L705933-12	WG728924
Benzene	mg/l	0.0278	0.0	.025	110.	54.3-133	L705933-12	WG728924
Bromobenzene	mg/l	0.0257	0.0	.025	100.	63.9-124	L705933-12	WG728924
Bromodichloromethane	mg/l	0.0258	0.0	.025	100.	63.9-121	L705933-12	WG728924
Bromoform	mg/l	0.0267	0.0	.025	110.	59.5-134	L705933-12	WG728924
Bromomethane	mg/l	0.0208	0.0	.025	83.0	41.7-155	L705933-12	WG728924
Carbon tetrachloride	mg/l	0.0245	0.0	.025	98.0	55.7-134	L705933-12	WG728924
Chlorobenzene	mg/l	0.0269	0.0	.025	110.	67-125	L705933-12	WG728924
Chlorodibromomethane	mg/l	0.0257	0.0	.025	100.	64.3-125	L705933-12	WG728924
Chloroethane	mg/l	0.0250	0.0	.025	100.	51.5-136	L705933-12	WG728924

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Chloroform	mg/l	0.0261	0.0	.025	100.	63-129	L705933-12	WG728924
Chloromethane	mg/l	0.0245	0.0	.025	98.0	42.4-135	L705933-12	WG728924
cis-1,2-Dichloroethene	mg/l	0.0290	0.0	.025	120.	59.2-129	L705933-12	WG728924
cis-1,3-Dichloropropene	mg/l	0.0276	0.0	.025	110.	66.4-125	L705933-12	WG728924
Di-isopropyl ether	mg/l	0.0279	0.000761	.025	110.	56.9-136	L705933-12	WG728924
Dibromomethane	mg/l	0.0277	0.0	.025	110.	68.2-124	L705933-12	WG728924
Dichlorodifluoromethane	mg/l	0.0246	0.0	.025	98.0	40.6-144	L705933-12	WG728924
Ethylbenzene	mg/l	0.0277	0.00137	.025	100.	61.4-133	L705933-12	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0	.025	98.0	55.1-136	L705933-12	WG728924
Isopropylbenzene	mg/l	0.0275	0.000740	.025	110.	66.8-141	L705933-12	WG728924
Methyl tert-butyl ether	mg/l	0.145	0.124	.025	83.0	57.7-134	L705933-12	WG728924
Methylene Chloride	mg/l	0.0282	0.000306	.025	110.	58.1-122	L705933-12	WG728924
n-Butylbenzene	mg/l	0.0288	0.0	.025	120.	62.7-140	L705933-12	WG728924
n-Propylbenzene	mg/l	0.0272	0.00129	.025	100.	65.9-131	L705933-12	WG728924
Naphthalene	mg/l	0.0346	0.00592	.025	120.	58-135	L705933-12	WG728924
p-Isopropyltoluene	mg/l	0.0273	0.000486	.025	110.	63.2-139	L705933-12	WG728924
sec-Butylbenzene	mg/l	0.0271	0.000875	.025	100.	62.2-136	L705933-12	WG728924
Styrene	mg/l	0.0273	0.0	.025	110.	66.8-133	L705933-12	WG728924
tert-Butylbenzene	mg/l	0.0265	0.0	.025	110.	63.3-134	L705933-12	WG728924
Tetrachloroethene	mg/l	0.0240	0.0	.025	96.0	53-139	L705933-12	WG728924
Toluene	mg/l	0.0270	0.000460	.025	110.	61.4-130	L705933-12	WG728924
trans-1,2-Dichloroethene	mg/l	0.0287	0.0	.025	120.	56.5-129	L705933-12	WG728924
trans-1,3-Dichloropropene	mg/l	0.0277	0.0	.025	110.	64.1-128	L705933-12	WG728924
Trichloroethene	mg/l	0.0267	0.0	.025	110.	44.1-149	L705933-12	WG728924
Trichlorofluoromethane	mg/l	0.0229	0.0	.025	91.0	49.6-145	L705933-12	WG728924
Vinyl chloride	mg/l	0.0253	0.0	.025	100.	47.8-137	L705933-12	WG728924
Xylenes, Total	mg/l	0.0786	0.0	.075	100.	63.3-131	L705933-12	WG728924
4-Bromofluorobenzene					99.00	71-126		WG728924
Dibromofluoromethane					101.0	78.3-121		WG728924
Toluene-d8					102.0	88.5-111		WG728924
Arsenic	mg/l	0.0607	0.00343	.05	110.	75-125	L706097-04	WG728531
1,1,1,2-Tetrachloroethane	mg/l	0.0246	0.0	.025	98.0	64-128	L706434-10	WG729570
1,1,1-Trichloroethane	mg/l	0.0215	0.0	.025	86.0	58.7-134	L706434-10	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0261	0.0	.025	100.	56-132	L706434-10	WG729570
1,1,2-Trichloroethane	mg/l	0.0268	0.0	.025	110.	66.3-125	L706434-10	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0201	0.0	.025	80.0	54.8-154	L706434-10	WG729570
1,1-Dichloroethane	mg/l	0.0230	0.0	.025	92.0	58.5-132	L706434-10	WG729570
1,1-Dichloroethene	mg/l	0.0203	0.0	.025	81.0	51.1-140	L706434-10	WG729570
1,1-Dichloropropene	mg/l	0.0219	0.0	.025	88.0	57.3-136	L706434-10	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0272	0.0	.025	110.	59.1-138	L706434-10	WG729570
1,2,3-Trichloropropane	mg/l	0.0259	0.0	.025	100.	61.4-128	L706434-10	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0229	0.0	.025	92.0	61.3-122	L706434-10	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0246	0.0	.025	98.0	63.6-143	L706434-10	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0227	0.0	.025	91.0	57.4-137	L706434-10	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0267	0.0	.025	110.	57.3-136	L706434-10	WG729570
1,2-Dibromoethane	mg/l	0.0266	0.0	.025	110.	67.1-125	L706434-10	WG729570
1,2-Dichlorobenzene	mg/l	0.0241	0.0	.025	97.0	68.2-123	L706434-10	WG729570
1,2-Dichloroethane	mg/l	0.0220	0.0	.025	88.0	60-126	L706434-10	WG729570
1,2-Dichloropropane	mg/l	0.0257	0.0	.025	100.	64.2-123	L706434-10	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0230	0.0	.025	92.0	63.6-132	L706434-10	WG729570
1,3-Dichlorobenzene	mg/l	0.0239	0.0	.025	96.0	63.1-131	L706434-10	WG729570
1,3-Dichloropropane	mg/l	0.0272	0.0	.025	110.	67.9-121	L706434-10	WG729570
1,4-Dichlorobenzene	mg/l	0.0231	0.0	.025	92.0	68.6-123	L706434-10	WG729570
2,2-Dichloropropane	mg/l	0.0186	0.0	.025	74.0	50.5-144	L706434-10	WG729570
2-Butanone (MEK)	mg/l	0.134	0.0	.125	110.	22.4-138	L706434-10	WG729570

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Quality Assurance Report
Level II

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July 01, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
2-Chloroethyl vinyl ether	mg/l	0.000618	0.0	.125	0.490*	10-155	L706434-10	WG729570
2-Chlorotoluene	mg/l	0.0236	0.0	.025	94.0	63.6-128	L706434-10	WG729570
4-Chlorotoluene	mg/l	0.0230	0.0	.025	92.0	65.7-127	L706434-10	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.160	0.0	.125	130.	60.8-140	L706434-10	WG729570
Acetone	mg/l	0.109	0.00806	.125	80.0	10-130	L706434-10	WG729570
Acrolein	mg/l	0.0717	0.0	.125	57.0	10-200	L706434-10	WG729570
Acrylonitrile	mg/l	0.143	0.0	.125	110.	49.4-133	L706434-10	WG729570
Benzene	mg/l	0.0229	0.0	.025	92.0	54.3-133	L706434-10	WG729570
Bromobenzene	mg/l	0.0231	0.0	.025	92.0	63.9-124	L706434-10	WG729570
Bromodichloromethane	mg/l	0.0235	0.0	.025	94.0	63.9-121	L706434-10	WG729570
Bromoform	mg/l	0.0307	0.0	.025	120.	59.5-134	L706434-10	WG729570
Bromomethane	mg/l	0.0182	0.0	.025	73.0	41.7-155	L706434-10	WG729570
Carbon tetrachloride	mg/l	0.0219	0.0	.025	88.0	55.7-134	L706434-10	WG729570
Chlorobenzene	mg/l	0.0262	0.0	.025	100.	67-125	L706434-10	WG729570
Chlorodibromomethane	mg/l	0.0278	0.0	.025	110.	64.3-125	L706434-10	WG729570
Chloroethane	mg/l	0.0194	0.0	.025	78.0	51.5-136	L706434-10	WG729570
Chloroform	mg/l	0.0214	0.0	.025	86.0	63-129	L706434-10	WG729570
Chloromethane	mg/l	0.0252	0.0	.025	100.	42.4-135	L706434-10	WG729570
cis-1,2-Dichloroethene	mg/l	0.0224	0.000526	.025	87.0	59.2-129	L706434-10	WG729570
cis-1,3-Dichloropropene	mg/l	0.0261	0.0	.025	100.	66.4-125	L706434-10	WG729570
Di-isopropyl ether	mg/l	0.0264	0.0	.025	110.	56.9-136	L706434-10	WG729570
Dibromomethane	mg/l	0.0234	0.0	.025	94.0	68.2-124	L706434-10	WG729570
Dichlorodifluoromethane	mg/l	0.0180	0.0	.025	72.0	40.6-144	L706434-10	WG729570
Ethylbenzene	mg/l	0.0250	0.0	.025	100.	61.4-133	L706434-10	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0237	0.0	.025	95.0	55.1-136	L706434-10	WG729570
Isopropylbenzene	mg/l	0.0235	0.0	.025	94.0	66.8-141	L706434-10	WG729570
Methyl tert-butyl ether	mg/l	0.0220	0.0	.025	88.0	57.7-134	L706434-10	WG729570
Methylene Chloride	mg/l	0.0208	0.0	.025	83.0	58.1-122	L706434-10	WG729570
n-Butylbenzene	mg/l	0.0217	0.0	.025	87.0	62.7-140	L706434-10	WG729570
n-Propylbenzene	mg/l	0.0229	0.0	.025	92.0	65.9-131	L706434-10	WG729570
Naphthalene	mg/l	0.0258	0.0	.025	100.	58-135	L706434-10	WG729570
p-Isopropyltoluene	mg/l	0.0239	0.0	.025	96.0	63.2-139	L706434-10	WG729570
sec-Butylbenzene	mg/l	0.0241	0.0	.025	96.0	62.2-136	L706434-10	WG729570
Styrene	mg/l	0.0261	0.0	.025	100.	66.8-133	L706434-10	WG729570
tert-Butylbenzene	mg/l	0.0251	0.0	.025	100.	63.3-134	L706434-10	WG729570
Tetrachloroethene	mg/l	0.0255	0.0	.025	100.	53-139	L706434-10	WG729570
Toluene	mg/l	0.0237	0.0	.025	95.0	61.4-130	L706434-10	WG729570
trans-1,2-Dichloroethene	mg/l	0.0208	0.0	.025	83.0	56.5-129	L706434-10	WG729570
trans-1,3-Dichloropropene	mg/l	0.0287	0.0	.025	120.	64.1-128	L706434-10	WG729570
Trichloroethene	mg/l	0.0245	0.000890	.025	94.0	44.1-149	L706434-10	WG729570
Trichlorofluoromethane	mg/l	0.0223	0.0	.025	89.0	49.6-145	L706434-10	WG729570
Vinyl chloride	mg/l	0.0189	0.0	.025	76.0	47.8-137	L706434-10	WG729570
Xylenes, Total	mg/l	0.0740	0.0	.075	99.0	63.3-131	L706434-10	WG729570
4-Bromofluorobenzene					96.40	71-126		WG729570
Dibromofluoromethane					91.20	78.3-121		WG729570
Toluene-d8					103.0	88.5-111		WG729570
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0.0	.025	96.0	64-128	L707563-07	WG729570
1,1,1-Trichloroethane	mg/l	0.0210	0.0	.025	84.0	58.7-134	L707563-07	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0250	0.000303	.025	99.0	56-132	L707563-07	WG729570
1,1,2-Trichloroethane	mg/l	0.0263	0.0	.025	100.	66.3-125	L707563-07	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0196	0.0	.025	78.0	54.8-154	L707563-07	WG729570
1,1-Dichloroethane	mg/l	0.0231	0.0	.025	92.0	58.5-132	L707563-07	WG729570
1,1-Dichloroethene	mg/l	0.0203	0.0	.025	81.0	51.1-140	L707563-07	WG729570
1,1-Dichloropropene	mg/l	0.0218	0.0	.025	87.0	57.3-136	L707563-07	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0267	0.0	.025	110.	59.1-138	L707563-07	WG729570
1,2,3-Trichloropropane	mg/l	0.0250	0.0	.025	100.	61.4-128	L707563-07	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0228	0.0	.025	91.0	61.3-122	L707563-07	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0243	0.0	.025	97.0	63.6-143	L707563-07	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0221	0.0	.025	88.0	57.4-137	L707563-07	WG729570

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dibromo-3-Chloropropane	mg/l	0.0258	0.0	.025	100.	57.3-136	L707563-07	WG729570
1,2-Dibromoethane	mg/l	0.0266	0.0	.025	110.	67.1-125	L707563-07	WG729570
1,2-Dichlorobenzene	mg/l	0.0240	0.0	.025	96.0	68.2-123	L707563-07	WG729570
1,2-Dichloroethane	mg/l	0.0217	0.0	.025	87.0	60-126	L707563-07	WG729570
1,2-Dichloropropane	mg/l	0.0259	0.00170	.025	97.0	64.2-123	L707563-07	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0225	0.0	.025	90.0	63.6-132	L707563-07	WG729570
1,3-Dichlorobenzene	mg/l	0.0235	0.0	.025	94.0	63.1-131	L707563-07	WG729570
1,3-Dichloropropane	mg/l	0.0279	0.0	.025	110.	67.9-121	L707563-07	WG729570
1,4-Dichlorobenzene	mg/l	0.0235	0.000521	.025	92.0	68.6-123	L707563-07	WG729570
2,2-Dichloropropane	mg/l	0.0178	0.0	.025	71.0	50.5-144	L707563-07	WG729570
2-Butanone (MEK)	mg/l	0.133	0.0	.125	110.	22.4-138	L707563-07	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000572	0.0	.125	0.460*	10-155	L707563-07	WG729570
2-Chlorotoluene	mg/l	0.0229	0.0	.025	92.0	63.6-128	L707563-07	WG729570
4-Chlorotoluene	mg/l	0.0236	0.0	.025	95.0	65.7-127	L707563-07	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.153	0.0	.125	120.	60.8-140	L707563-07	WG729570
Acetone	mg/l	0.0944	0.00415	.125	72.0	10-130	L707563-07	WG729570
Acrolein	mg/l	0.0727	0.0	.125	58.0	10-200	L707563-07	WG729570
Acrylonitrile	mg/l	0.138	0.0	.125	110.	49.4-133	L707563-07	WG729570
Benzene	mg/l	0.0229	0.0	.025	92.0	54.3-133	L707563-07	WG729570
Bromobenzene	mg/l	0.0228	0.0	.025	91.0	63.9-124	L707563-07	WG729570
Bromodichloromethane	mg/l	0.0233	0.0	.025	93.0	63.9-121	L707563-07	WG729570
Bromoform	mg/l	0.0305	0.0	.025	120.	59.5-134	L707563-07	WG729570
Bromomethane	mg/l	0.0181	0.0	.025	72.0	41.7-155	L707563-07	WG729570
Carbon tetrachloride	mg/l	0.0216	0.0	.025	86.0	55.7-134	L707563-07	WG729570
Chlorobenzene	mg/l	0.0264	0.000638	.025	100.	67-125	L707563-07	WG729570
Chlorodibromomethane	mg/l	0.0272	0.0	.025	110.	64.3-125	L707563-07	WG729570
Chloroethane	mg/l	0.0197	0.0	.025	79.0	51.5-136	L707563-07	WG729570
Chloroform	mg/l	0.0208	0.0	.025	83.0	63-129	L707563-07	WG729570
Chloromethane	mg/l	0.0250	0.0	.025	100.	42.4-135	L707563-07	WG729570
cis-1,2-Dichloroethene	mg/l	0.0218	0.0	.025	87.0	59.2-129	L707563-07	WG729570
cis-1,3-Dichloropropene	mg/l	0.0267	0.0	.025	110.	66.4-125	L707563-07	WG729570
Di-isopropyl ether	mg/l	0.0257	0.0	.025	100.	56.9-136	L707563-07	WG729570
Dibromomethane	mg/l	0.0230	0.0	.025	92.0	68.2-124	L707563-07	WG729570
Dichlorodifluoromethane	mg/l	0.0173	0.0	.025	69.0	40.6-144	L707563-07	WG729570
Ethylbenzene	mg/l	0.0248	0.0	.025	99.0	61.4-133	L707563-07	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0	.025	97.0	55.1-136	L707563-07	WG729570
Isopropylbenzene	mg/l	0.0234	0.0	.025	94.0	66.8-141	L707563-07	WG729570
Methyl tert-butyl ether	mg/l	0.0215	0.0	.025	86.0	57.7-134	L707563-07	WG729570
Methylene Chloride	mg/l	0.0208	0.0	.025	83.0	58.1-122	L707563-07	WG729570
n-Butylbenzene	mg/l	0.0217	0.0	.025	87.0	62.7-140	L707563-07	WG729570
n-Propylbenzene	mg/l	0.0229	0.0	.025	91.0	65.9-131	L707563-07	WG729570
Naphthalene	mg/l	0.0256	0.0	.025	100.	58-135	L707563-07	WG729570
p-Isopropyltoluene	mg/l	0.0239	0.0	.025	96.0	63.2-139	L707563-07	WG729570
sec-Butylbenzene	mg/l	0.0238	0.0	.025	95.0	62.2-136	L707563-07	WG729570
Styrene	mg/l	0.0259	0.0	.025	100.	66.8-133	L707563-07	WG729570
tert-Butylbenzene	mg/l	0.0247	0.0	.025	99.0	63.3-134	L707563-07	WG729570
Tetrachloroethene	mg/l	0.0241	0.0	.025	96.0	53-139	L707563-07	WG729570
Toluene	mg/l	0.0239	0.0	.025	96.0	61.4-130	L707563-07	WG729570
trans-1,2-Dichloroethene	mg/l	0.0208	0.0	.025	83.0	56.5-129	L707563-07	WG729570
trans-1,3-Dichloropropene	mg/l	0.0294	0.0	.025	120.	64.1-128	L707563-07	WG729570
Trichloroethene	mg/l	0.0232	0.0	.025	93.0	44.1-149	L707563-07	WG729570
Trichlorofluoromethane	mg/l	0.0224	0.0	.025	90.0	49.6-145	L707563-07	WG729570
Vinyl chloride	mg/l	0.0190	0.0	.025	76.0	47.8-137	L707563-07	WG729570
Xylenes, Total	mg/l	0.0725	0.0	.075	97.0	63.3-131	L707563-07	WG729570
4-Bromofluorobenzene					96.40	71-126		WG729570
Dibromofluoromethane					88.80	78.3-121		WG729570
Toluene-d8					104.0	88.5-111		WG729570

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00297	0.00296	97.4	80-120	0.0	20	L706097-03	WG727902
TPH (GC/FID) Low Fraction	mg/l	0.618	0.639	59.2	50-100	3.40	20	L705056-01	WG727090
a,a,a-Trifluorotoluene(FID)				94.30	50-150				WG727090
1,1,1,2-Tetrachloroethane	mg/l	0.0258	0.0257	103.	64-128	0.640	20	L706104-01	WG727917
1,1,1-Trichloroethane	mg/l	0.0261	0.0266	104.	58.7-134	1.87	20	L706104-01	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0267	0.0252	107.	56-132	5.52	22.2	L706104-01	WG727917
1,1,2-Trichloroethane	mg/l	0.0270	0.0254	108.	66.3-125	6.04	20	L706104-01	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0251	0.0254	100.	54.8-154	1.33	22.5	L706104-01	WG727917
1,1-Dichloroethane	mg/l	0.0268	0.0272	107.	58.5-132	1.70	20	L706104-01	WG727917
1,1-Dichloroethene	mg/l	0.0262	0.0261	105.	51.1-140	0.310	20.2	L706104-01	WG727917
1,1-Dichloropropene	mg/l	0.0271	0.0267	108.	57.3-136	1.45	20	L706104-01	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0281	0.0288	112.	59.1-138	2.59	23.7	L706104-01	WG727917
1,2,3-Trichloropropane	mg/l	0.0258	0.0248	103.	61.4-128	4.09	22.4	L706104-01	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0283	0.0281	112.	61.3-122	0.760	20	L706104-01	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0269	0.0275	107.	63.6-143	2.57	21.9	L706104-01	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0245	0.0243	98.1	57.4-137	1.11	20	L706104-01	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0256	0.0265	102.	57.3-136	3.34	27	L706104-01	WG727917
1,2-Dibromoethane	mg/l	0.0269	0.0249	108.	67.1-125	7.99	20	L706104-01	WG727917
1,2-Dichlorobenzene	mg/l	0.0269	0.0265	108.	68.2-123	1.53	20	L706104-01	WG727917
1,2-Dichloroethane	mg/l	0.0264	0.0260	106.	60-126	1.56	20	L706104-01	WG727917
1,2-Dichloropropane	mg/l	0.0280	0.0275	112.	64.2-123	1.82	20	L706104-01	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0260	0.0255	104.	63.6-132	2.25	20.5	L706104-01	WG727917
1,3-Dichlorobenzene	mg/l	0.0248	0.0242	99.0	63.1-131	2.46	20	L706104-01	WG727917
1,3-Dichloropropane	mg/l	0.0285	0.0264	114.	67.9-121	7.51	20	L706104-01	WG727917
1,4-Dichlorobenzene	mg/l	0.0267	0.0261	107.	68.6-123	1.97	20	L706104-01	WG727917
2,2-Dichloropropane	mg/l	0.0248	0.0258	99.3	50.5-144	3.71	21.9	L706104-01	WG727917
2-Butanone (MEK)	mg/l	0.135	0.125	100.	22.4-138	7.28	27	L706104-01	WG727917
2-Chloroethyl vinyl ether	mg/l	0.00151	0.00433	1.21*	10-155	96.4*	20	L706104-01	WG727917
2-Chlorotoluene	mg/l	0.0263	0.0254	105.	63.6-128	3.44	20	L706104-01	WG727917
4-Chlorotoluene	mg/l	0.0256	0.0249	102.	65.7-127	2.75	20	L706104-01	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.152	0.143	122.	60.8-140	6.47	25.1	L706104-01	WG727917
Acetone	mg/l	0.109	0.0894	82.2	10-130	19.7	27.9	L706104-01	WG727917
Acrolein	mg/l	0.0716	0.0512	57.2	10-200	33.1*	27.7	L706104-01	WG727917
Acrylonitrile	mg/l	0.146	0.137	117.	49.4-133	6.41	25.3	L706104-01	WG727917
Benzene	mg/l	0.0270	0.0266	108.	54.3-133	1.66	20	L706104-01	WG727917
Bromobenzene	mg/l	0.0249	0.0241	99.8	63.9-124	3.39	20	L706104-01	WG727917
Bromodichloromethane	mg/l	0.0260	0.0249	104.	63.9-121	4.42	20	L706104-01	WG727917
Bromoform	mg/l	0.0296	0.0279	118.	59.5-134	6.08	20.5	L706104-01	WG727917
Bromomethane	mg/l	0.0292	0.0304	117.	41.7-155	3.78	21.9	L706104-01	WG727917
Carbon tetrachloride	mg/l	0.0273	0.0274	109.	55.7-134	0.370	20	L706104-01	WG727917
Chlorobenzene	mg/l	0.0280	0.0268	112.	67-125	4.55	20	L706104-01	WG727917
Chlorodibromomethane	mg/l	0.0284	0.0267	114.	64.3-125	6.24	20.8	L706104-01	WG727917
Chloroethane	mg/l	0.0332	0.0296	133.	51.5-136	11.4	40	L706104-01	WG727917
Chloroform	mg/l	0.0248	0.0248	99.2	63-129	0.0400	20	L706104-01	WG727917
Chloromethane	mg/l	0.0298	0.0306	119.	42.4-135	2.62	20	L706104-01	WG727917
cis-1,2-Dichloroethene	mg/l	0.0251	0.0251	100.	59.2-129	0.0700	20	L706104-01	WG727917
cis-1,3-Dichloropropene	mg/l	0.0283	0.0272	113.	66.4-125	3.91	20	L706104-01	WG727917
Di-isopropyl ether	mg/l	0.0305	0.0301	122.	56.9-136	1.26	20	L706104-01	WG727917
Dibromomethane	mg/l	0.0256	0.0249	102.	68.2-124	2.76	20	L706104-01	WG727917
Dichlorodifluoromethane	mg/l	0.0256	0.0258	102.	40.6-144	0.720	20.2	L706104-01	WG727917
Ethylbenzene	mg/l	0.0278	0.0270	111.	61.4-133	3.26	20	L706104-01	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0254	0.0259	101.	55.1-136	2.10	23.6	L706104-01	WG727917
Isopropylbenzene	mg/l	0.0265	0.0261	106.	66.8-141	1.29	20	L706104-01	WG727917
Methyl tert-butyl ether	mg/l	0.0253	0.0244	101.	57.7-134	3.44	20	L706104-01	WG727917
Methylene Chloride	mg/l	0.0234	0.0238	93.5	58.1-122	1.60	20	L706104-01	WG727917
n-Butylbenzene	mg/l	0.0283	0.0279	113.	62.7-140	1.35	20.3	L706104-01	WG727917

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Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Propylbenzene	mg/l	0.0258	0.0252	103.	65.9-131	2.42	20	L706104-01	WG727917
Naphthalene	mg/l	0.0278	0.0276	111.	58-135	0.710	25.5	L706104-01	WG727917
p-Isopropyltoluene	mg/l	0.0268	0.0263	107.	63.2-139	1.86	20.4	L706104-01	WG727917
sec-Butylbenzene	mg/l	0.0269	0.0265	108.	62.2-136	1.57	20.3	L706104-01	WG727917
Styrene	mg/l	0.0273	0.0263	109.	66.8-133	3.62	20	L706104-01	WG727917
tert-Butylbenzene	mg/l	0.0272	0.0268	109.	63.3-134	1.23	21	L706104-01	WG727917
Tetrachloroethene	mg/l	0.0269	0.0264	104.	53-139	2.15	20	L706104-01	WG727917
Toluene	mg/l	0.0265	0.0261	104.	61.4-130	1.47	20	L706104-01	WG727917
trans-1,2-Dichloroethene	mg/l	0.0259	0.0252	104.	56.5-129	2.79	20	L706104-01	WG727917
trans-1,3-Dichloropropene	mg/l	0.0293	0.0276	117.	64.1-128	5.79	20	L706104-01	WG727917
Trichloroethene	mg/l	0.0260	0.0258	102.	44.1-149	0.930	20	L706104-01	WG727917
Trichlorofluoromethane	mg/l	0.0276	0.0290	110.	49.6-145	5.03	21.2	L706104-01	WG727917
Vinyl chloride	mg/l	0.0299	0.0298	120.	47.8-137	0.100	20	L706104-01	WG727917
Xylenes, Total	mg/l	0.0823	0.0801	109.	63.3-131	2.66	20	L706104-01	WG727917
4-Bromofluorobenzene				92.50	71-126				WG727917
Dibromofluoromethane				95.30	78.3-121				WG727917
Toluene-d8				102.0	88.5-111				WG727917
Extractable Petroleum Hydrocarbon	mg/l	1.70	1.75	91.8	50-100	3.00	20	L706424-02	WG728409
o-Terphenyl				88.90	50-150				WG728409
Barium	mg/l	1.12	1.12	104.	75-125	0.0	20	L706097-08	WG728454
Chromium	mg/l	1.02	1.02	102.	75-125	1.00	20	L706097-08	WG728454
Lead	mg/l	1.05	1.06	104.	75-125	1.00	20	L706097-08	WG728454
Silver	mg/l	0.328	0.302	32.6*	75-125	8.00	20	L706097-08	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.566	0.528	55.7	50-100	7.06	20	L705924-02	WG728273
a,a,a-Trifluorotoluene(FID)				105.0	50-150				WG728273
cis-1,2-Dichloroethene	mg/l	0.0237	0.0246	94.6	59.2-129	3.91	20	L706031-05	WG728871
Tetrachloroethene	mg/l	0.0282	0.0287	113.	53-139	1.92	20	L706031-05	WG728871
Trichloroethene	mg/l	0.0267	0.0278	107.	44.1-149	4.10	20	L706031-05	WG728871
4-Bromofluorobenzene				94.90	71-126				WG728871
Dibromofluoromethane				98.70	78.3-121				WG728871
Toluene-d8				103.0	88.5-111				WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0254	103.	64-128	1.22	20	L705933-12	WG728924
1,1,1-Trichloroethane	mg/l	0.0253	0.0254	101.	58.7-134	0.170	20	L705933-12	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0270	0.0276	108.	56-132	2.16	22.2	L705933-12	WG728924
1,1,2-Trichloroethane	mg/l	0.0264	0.0270	106.	66.3-125	2.15	20	L705933-12	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0293	0.0289	117.	54.8-154	1.10	22.5	L705933-12	WG728924
1,1-Dichloroethane	mg/l	0.0276	0.0278	110.	58.5-132	0.410	20	L705933-12	WG728924
1,1-Dichloroethene	mg/l	0.0279	0.0281	112.	51.1-140	0.550	20.2	L705933-12	WG728924
1,1-Dichloropropene	mg/l	0.0281	0.0283	112.	57.3-136	0.850	20	L705933-12	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0264	106.	59.1-138	0.130	23.7	L705933-12	WG728924
1,2,3-Trichloropropane	mg/l	0.0258	0.0262	103.	61.4-128	1.50	22.4	L705933-12	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0275	0.0272	107.	61.3-122	1.08	20	L705933-12	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0272	0.0271	109.	63.6-143	0.430	21.9	L705933-12	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0371	0.0365	104.	57.4-137	1.56	20	L705933-12	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0276	0.0272	110.	57.3-136	1.59	27	L705933-12	WG728924
1,2-Dibromoethane	mg/l	0.0268	0.0271	107.	67.1-125	1.07	20	L705933-12	WG728924
1,2-Dichlorobenzene	mg/l	0.0270	0.0269	108.	68.2-123	0.380	20	L705933-12	WG728924
1,2-Dichloroethane	mg/l	0.0256	0.0257	102.	60-126	0.330	20	L705933-12	WG728924
1,2-Dichloropropane	mg/l	0.0278	0.0276	111.	64.2-123	0.680	20	L705933-12	WG728924

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Quality Assurance Report
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July 01, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,3,5-Trimethylbenzene	mg/l	0.0275	0.0275	108.	63.6-132	0.230	20.5	L705933-12	WG728924
1,3-Dichlorobenzene	mg/l	0.0255	0.0258	102.	63.1-131	1.41	20	L705933-12	WG728924
1,3-Dichloropropane	mg/l	0.0267	0.0266	107.	67.9-121	0.600	20	L705933-12	WG728924
1,4-Dichlorobenzene	mg/l	0.0258	0.0258	103.	68.6-123	0.130	20	L705933-12	WG728924
2,2-Dichloropropane	mg/l	0.0255	0.0254	102.	50.5-144	0.260	21.9	L705933-12	WG728924
2-Butanone (MEK)	mg/l	0.137	0.134	109.	22.4-138	1.96	27	L705933-12	WG728924
2-Chloroethyl vinyl ether	mg/l	0.000955	0.000347	0.764*	10-155	93.3*	20	L705933-12	WG728924
2-Chlorotoluene	mg/l	0.0264	0.0269	106.	63.6-128	1.66	20	L705933-12	WG728924
4-Chlorotoluene	mg/l	0.0264	0.0265	106.	65.7-127	0.520	20	L705933-12	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0.143	115.	60.8-140	0.820	25.1	L705933-12	WG728924
Acetone	mg/l	0.128	0.133	93.5	10-130	4.31	27.9	L705933-12	WG728924
Acrolein	mg/l	0.177	0.176	142.	10-200	0.630	27.7	L705933-12	WG728924
Acrylonitrile	mg/l	0.148	0.150	118.	49.4-133	1.97	25.3	L705933-12	WG728924
Benzene	mg/l	0.0278	0.0278	111.	54.3-133	0.130	20	L705933-12	WG728924
Bromobenzene	mg/l	0.0256	0.0257	102.	63.9-124	0.210	20	L705933-12	WG728924
Bromodichloromethane	mg/l	0.0256	0.0258	102.	63.9-121	0.840	20	L705933-12	WG728924
Bromoform	mg/l	0.0263	0.0267	105.	59.5-134	1.43	20.5	L705933-12	WG728924
Bromomethane	mg/l	0.0210	0.0208	84.1	41.7-155	0.910	21.9	L705933-12	WG728924
Carbon tetrachloride	mg/l	0.0245	0.0245	97.9	55.7-134	0.190	20	L705933-12	WG728924
Chlorobenzene	mg/l	0.0267	0.0269	107.	67-125	0.900	20	L705933-12	WG728924
Chlorodibromomethane	mg/l	0.0253	0.0257	101.	64.3-125	1.81	20.8	L705933-12	WG728924
Chloroethane	mg/l	0.0248	0.0250	99.4	51.5-136	0.660	40	L705933-12	WG728924
Chloroform	mg/l	0.0259	0.0261	104.	63-129	0.910	20	L705933-12	WG728924
Chloromethane	mg/l	0.0244	0.0245	97.5	42.4-135	0.590	20	L705933-12	WG728924
cis-1,2-Dichloroethene	mg/l	0.0287	0.0290	115.	59.2-129	0.980	20	L705933-12	WG728924
cis-1,3-Dichloropropene	mg/l	0.0278	0.0276	111.	66.4-125	0.840	20	L705933-12	WG728924
Di-isopropyl ether	mg/l	0.0283	0.0279	110.	56.9-136	1.41	20	L705933-12	WG728924
Dibromomethane	mg/l	0.0274	0.0277	109.	68.2-124	1.38	20	L705933-12	WG728924
Dichlorodifluoromethane	mg/l	0.0252	0.0246	101.	40.6-144	2.26	20.2	L705933-12	WG728924
Ethylbenzene	mg/l	0.0273	0.0277	104.	61.4-133	1.40	20	L705933-12	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0244	97.1	55.1-136	0.530	23.6	L705933-12	WG728924
Isopropylbenzene	mg/l	0.0277	0.0275	108.	66.8-141	0.560	20	L705933-12	WG728924
Methyl tert-butyl ether	mg/l	0.153	0.145	115.	57.7-134	5.36	20	L705933-12	WG728924
Methylene Chloride	mg/l	0.0277	0.0282	110.	58.1-122	1.65	20	L705933-12	WG728924
n-Butylbenzene	mg/l	0.0291	0.0288	116.	62.7-140	0.960	20.3	L705933-12	WG728924
n-Propylbenzene	mg/l	0.0273	0.0272	104.	65.9-131	0.280	20	L705933-12	WG728924
Naphthalene	mg/l	0.0355	0.0346	118.	58-135	2.79	25.5	L705933-12	WG728924
p-Isopropyltoluene	mg/l	0.0270	0.0273	106.	63.2-139	1.27	20.4	L705933-12	WG728924
sec-Butylbenzene	mg/l	0.0274	0.0271	106.	62.2-136	1.10	20.3	L705933-12	WG728924
Styrene	mg/l	0.0270	0.0273	108.	66.8-133	0.820	20	L705933-12	WG728924
tert-Butylbenzene	mg/l	0.0266	0.0265	106.	63.3-134	0.530	21	L705933-12	WG728924
Tetrachloroethene	mg/l	0.0242	0.0240	96.9	53-139	0.750	20	L705933-12	WG728924
Toluene	mg/l	0.0268	0.0270	105.	61.4-130	0.780	20	L705933-12	WG728924
trans-1,2-Dichloroethene	mg/l	0.0286	0.0287	114.	56.5-129	0.600	20	L705933-12	WG728924
trans-1,3-Dichloropropene	mg/l	0.0277	0.0277	111.	64.1-128	0.0700	20	L705933-12	WG728924
Trichloroethene	mg/l	0.0263	0.0267	105.	44.1-149	1.55	20	L705933-12	WG728924
Trichlorofluoromethane	mg/l	0.0228	0.0229	91.1	49.6-145	0.360	21.2	L705933-12	WG728924
Vinyl chloride	mg/l	0.0251	0.0253	100.	47.8-137	0.420	20	L705933-12	WG728924
Xylenes, Total	mg/l	0.0776	0.0786	104.	63.3-131	1.30	20	L705933-12	WG728924
4-Bromofluorobenzene				98.80	71-126				WG728924
Dibromofluoromethane				100.0	78.3-121				WG728924
Toluene-d8				102.0	88.5-111				WG728924
Arsenic	mg/l	0.0608	0.0607	115.	75-125	0.0	20	L706097-04	WG728531
1,1,1,2-Tetrachloroethane	mg/l	0.0258	0.0246	103.	64-128	4.88	20	L706434-10	WG729570
1,1,1-Trichloroethane	mg/l	0.0231	0.0215	92.2	58.7-134	7.14	20	L706434-10	WG729570

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Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/l	0.0254	0.0261	102.	56-132	2.74	22.2	L706434-10	WG729570
1,1,2-Trichloroethane	mg/l	0.0278	0.0268	111.	66.3-125	3.57	20	L706434-10	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0216	0.0201	86.3	54.8-154	6.94	22.5	L706434-10	WG729570
1,1-Dichloroethane	mg/l	0.0246	0.0230	98.4	58.5-132	6.68	20	L706434-10	WG729570
1,1-Dichloroethene	mg/l	0.0221	0.0203	88.5	51.1-140	8.38	20.2	L706434-10	WG729570
1,1-Dichloropropene	mg/l	0.0235	0.0219	93.8	57.3-136	6.97	20	L706434-10	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0277	0.0272	111.	59.1-138	1.96	23.7	L706434-10	WG729570
1,2,3-Trichloropropane	mg/l	0.0253	0.0259	101.	61.4-128	2.21	22.4	L706434-10	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0249	0.0229	99.6	61.3-122	8.50	20	L706434-10	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0263	0.0246	105.	63.6-143	6.69	21.9	L706434-10	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0243	0.0227	97.3	57.4-137	6.91	20	L706434-10	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0259	0.0267	104.	57.3-136	2.98	27	L706434-10	WG729570
1,2-Dibromoethane	mg/l	0.0271	0.0266	108.	67.1-125	1.96	20	L706434-10	WG729570
1,2-Dichlorobenzene	mg/l	0.0261	0.0241	104.	68.2-123	7.97	20	L706434-10	WG729570
1,2-Dichloroethane	mg/l	0.0223	0.0220	89.4	60-126	1.76	20	L706434-10	WG729570
1,2-Dichloropropane	mg/l	0.0281	0.0257	112.	64.2-123	8.77	20	L706434-10	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0250	0.0230	100.	63.6-132	8.35	20.5	L706434-10	WG729570
1,3-Dichlorobenzene	mg/l	0.0260	0.0239	104.	63.1-131	8.54	20	L706434-10	WG729570
1,3-Dichloropropane	mg/l	0.0292	0.0272	117.	67.9-121	7.06	20	L706434-10	WG729570
1,4-Dichlorobenzene	mg/l	0.0253	0.0231	101.	68.6-123	9.23	20	L706434-10	WG729570
2,2-Dichloropropane	mg/l	0.0190	0.0186	75.8	50.5-144	2.02	21.9	L706434-10	WG729570
2-Butanone (MEK)	mg/l	0.128	0.134	103.	22.4-138	4.53	27	L706434-10	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000620	0.000618	0.496*	10-155	0.300	20	L706434-10	WG729570
2-Chlorotoluene	mg/l	0.0254	0.0236	102.	63.6-128	7.33	20	L706434-10	WG729570
4-Chlorotoluene	mg/l	0.0257	0.0230	103.	65.7-127	11.3	20	L706434-10	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.148	0.160	118.	60.8-140	7.84	25.1	L706434-10	WG729570
Acetone	mg/l	0.0999	0.109	73.4	10-130	8.44	27.9	L706434-10	WG729570
Acrolein	mg/l	0.0667	0.0717	53.4	10-200	7.18	27.7	L706434-10	WG729570
Acrylonitrile	mg/l	0.133	0.143	106.	49.4-133	7.07	25.3	L706434-10	WG729570
Benzene	mg/l	0.0248	0.0229	99.2	54.3-133	8.14	20	L706434-10	WG729570
Bromobenzene	mg/l	0.0250	0.0231	99.8	63.9-124	7.95	20	L706434-10	WG729570
Bromodichloromethane	mg/l	0.0249	0.0235	99.7	63.9-121	5.70	20	L706434-10	WG729570
Bromoform	mg/l	0.0310	0.0307	124.	59.5-134	0.910	20.5	L706434-10	WG729570
Bromomethane	mg/l	0.0194	0.0182	77.4	41.7-155	6.05	21.9	L706434-10	WG729570
Carbon tetrachloride	mg/l	0.0233	0.0219	93.2	55.7-134	5.95	20	L706434-10	WG729570
Chlorobenzene	mg/l	0.0287	0.0262	115.	67-125	9.12	20	L706434-10	WG729570
Chlorodibromomethane	mg/l	0.0290	0.0278	116.	64.3-125	3.98	20.8	L706434-10	WG729570
Chloroethane	mg/l	0.0201	0.0194	80.3	51.5-136	3.20	40	L706434-10	WG729570
Chloroform	mg/l	0.0226	0.0214	90.4	63-129	5.35	20	L706434-10	WG729570
Chloromethane	mg/l	0.0267	0.0252	107.	42.4-135	5.96	20	L706434-10	WG729570
cis-1,2-Dichloroethene	mg/l	0.0239	0.0224	93.5	59.2-129	6.60	20	L706434-10	WG729570
cis-1,3-Dichloropropene	mg/l	0.0278	0.0261	111.	66.4-125	6.31	20	L706434-10	WG729570
Di-isopropyl ether	mg/l	0.0277	0.0264	111.	56.9-136	4.78	20	L706434-10	WG729570
Dibromomethane	mg/l	0.0234	0.0234	93.8	68.2-124	0.320	20	L706434-10	WG729570
Dichlorodifluoromethane	mg/l	0.0192	0.0180	76.8	40.6-144	6.47	20.2	L706434-10	WG729570
Ethylbenzene	mg/l	0.0271	0.0250	108.	61.4-133	8.19	20	L706434-10	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0266	0.0237	106.	55.1-136	11.2	23.6	L706434-10	WG729570
Isopropylbenzene	mg/l	0.0258	0.0235	103.	66.8-141	9.45	20	L706434-10	WG729570
Methyl tert-butyl ether	mg/l	0.0223	0.0220	89.1	57.7-134	1.29	20	L706434-10	WG729570
Methylene Chloride	mg/l	0.0218	0.0208	87.0	58.1-122	4.50	20	L706434-10	WG729570
n-Butylbenzene	mg/l	0.0240	0.0217	96.1	62.7-140	10.1	20.3	L706434-10	WG729570
n-Propylbenzene	mg/l	0.0252	0.0229	101.	65.9-131	9.48	20	L706434-10	WG729570
Naphthalene	mg/l	0.0252	0.0258	101.	58-135	2.22	25.5	L706434-10	WG729570
p-Isopropyltoluene	mg/l	0.0260	0.0239	104.	63.2-139	8.53	20.4	L706434-10	WG729570
sec-Butylbenzene	mg/l	0.0260	0.0241	104.	62.2-136	7.53	20.3	L706434-10	WG729570
Styrene	mg/l	0.0283	0.0261	113.	66.8-133	8.07	20	L706434-10	WG729570
tert-Butylbenzene	mg/l	0.0272	0.0251	109.	63.3-134	8.06	21	L706434-10	WG729570
Tetrachloroethene	mg/l	0.0274	0.0255	110.	53-139	7.29	20	L706434-10	WG729570
Toluene	mg/l	0.0255	0.0237	102.	61.4-130	7.41	20	L706434-10	WG729570

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0226	0.0208	90.3	56.5-129	7.99	20	L706434-10	WG729570
trans-1,3-Dichloropropene	mg/l	0.0296	0.0287	118.	64.1-128	3.05	20	L706434-10	WG729570
Trichloroethene	mg/l	0.0258	0.0245	99.7	44.1-149	5.40	20	L706434-10	WG729570
Trichlorofluoromethane	mg/l	0.0241	0.0223	96.2	49.6-145	7.63	21.2	L706434-10	WG729570
Vinyl chloride	mg/l	0.0202	0.0189	80.8	47.8-137	6.64	20	L706434-10	WG729570
Xylenes, Total	mg/l	0.0801	0.0740	107.	63.3-131	7.93	20	L706434-10	WG729570
4-Bromofluorobenzene				97.40	71-126				WG729570
Dibromofluoromethane				88.60	78.3-121				WG729570
Toluene-d8				103.0	88.5-111				WG729570
1,1,1,2-Tetrachloroethane	mg/l	0.0252	0.0239	101.	64-128	4.97	20	L707563-07	WG729570
1,1,1-Trichloroethane	mg/l	0.0226	0.0210	90.3	58.7-134	7.26	20	L707563-07	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0268	0.0250	106.	56-132	6.80	22.2	L707563-07	WG729570
1,1,2-Trichloroethane	mg/l	0.0274	0.0263	110.	66.3-125	4.09	20	L707563-07	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0212	0.0196	84.7	54.8-154	7.78	22.5	L707563-07	WG729570
1,1-Dichloroethane	mg/l	0.0244	0.0231	97.7	58.5-132	5.74	20	L707563-07	WG729570
1,1-Dichloroethene	mg/l	0.0220	0.0203	87.8	51.1-140	7.80	20.2	L707563-07	WG729570
1,1-Dichloropropene	mg/l	0.0235	0.0218	93.8	57.3-136	7.25	20	L707563-07	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0289	0.0267	116.	59.1-138	8.13	23.7	L707563-07	WG729570
1,2,3-Trichloropropane	mg/l	0.0272	0.0250	109.	61.4-128	8.47	22.4	L707563-07	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0244	0.0228	97.5	61.3-122	6.76	20	L707563-07	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0264	0.0243	106.	63.6-143	8.23	21.9	L707563-07	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0236	0.0221	94.4	57.4-137	6.57	20	L707563-07	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0281	0.0258	112.	57.3-136	8.56	27	L707563-07	WG729570
1,2-Dibromoethane	mg/l	0.0276	0.0266	110.	67.1-125	3.74	20	L707563-07	WG729570
1,2-Dichlorobenzene	mg/l	0.0258	0.0240	103.	68.2-123	7.23	20	L707563-07	WG729570
1,2-Dichloroethane	mg/l	0.0231	0.0217	92.4	60-126	6.37	20	L707563-07	WG729570
1,2-Dichloropropane	mg/l	0.0280	0.0259	105.	64.2-123	7.97	20	L707563-07	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0240	0.0225	96.2	63.6-132	6.62	20.5	L707563-07	WG729570
1,3-Dichlorobenzene	mg/l	0.0247	0.0235	98.9	63.1-131	5.23	20	L707563-07	WG729570
1,3-Dichloropropane	mg/l	0.0292	0.0279	117.	67.9-121	4.77	20	L707563-07	WG729570
1,4-Dichlorobenzene	mg/l	0.0257	0.0235	101.	68.6-123	9.04	20	L707563-07	WG729570
2,2-Dichloropropane	mg/l	0.0196	0.0178	78.2	50.5-144	9.19	21.9	L707563-07	WG729570
2-Butanone (MEK)	mg/l	0.137	0.133	110.	22.4-138	3.07	27	L707563-07	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000629	0.000572	0.503*	10-155	9.54	20	L707563-07	WG729570
2-Chlorotoluene	mg/l	0.0243	0.0229	97.3	63.6-128	6.05	20	L707563-07	WG729570
4-Chlorotoluene	mg/l	0.0245	0.0236	98.1	65.7-127	3.65	20	L707563-07	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.161	0.153	128.	60.8-140	4.99	25.1	L707563-07	WG729570
Acetone	mg/l	0.104	0.0944	80.1	10-130	9.94	27.9	L707563-07	WG729570
Acrolein	mg/l	0.0816	0.0727	65.3	10-200	11.6	27.7	L707563-07	WG729570
Acrylonitrile	mg/l	0.144	0.138	115.	49.4-133	4.21	25.3	L707563-07	WG729570
Benzene	mg/l	0.0245	0.0229	98.1	54.3-133	6.74	20	L707563-07	WG729570
Bromobenzene	mg/l	0.0242	0.0228	96.6	63.9-124	5.74	20	L707563-07	WG729570
Bromodichloromethane	mg/l	0.0247	0.0233	98.7	63.9-121	5.84	20	L707563-07	WG729570
Bromoform	mg/l	0.0322	0.0305	129.	59.5-134	5.33	20.5	L707563-07	WG729570
Bromomethane	mg/l	0.0189	0.0181	75.5	41.7-155	4.40	21.9	L707563-07	WG729570
Carbon tetrachloride	mg/l	0.0233	0.0216	93.1	55.7-134	7.34	20	L707563-07	WG729570
Chlorobenzene	mg/l	0.0280	0.0264	110.	67-125	5.95	20	L707563-07	WG729570
Chlorodibromomethane	mg/l	0.0294	0.0272	118.	64.3-125	7.87	20.8	L707563-07	WG729570
Chloroethane	mg/l	0.0206	0.0197	82.4	51.5-136	4.23	40	L707563-07	WG729570
Chloroform	mg/l	0.0224	0.0208	89.7	63-129	7.63	20	L707563-07	WG729570
Chloromethane	mg/l	0.0267	0.0250	107.	42.4-135	6.60	20	L707563-07	WG729570
cis-1,2-Dichloroethene	mg/l	0.0233	0.0218	93.3	59.2-129	6.99	20	L707563-07	WG729570
cis-1,3-Dichloropropene	mg/l	0.0279	0.0267	112.	66.4-125	4.54	20	L707563-07	WG729570
Di-isopropyl ether	mg/l	0.0280	0.0257	112.	56.9-136	8.49	20	L707563-07	WG729570
Dibromomethane	mg/l	0.0247	0.0230	98.7	68.2-124	6.87	20	L707563-07	WG729570
Dichlorodifluoromethane	mg/l	0.0188	0.0173	75.2	40.6-144	8.04	20.2	L707563-07	WG729570
Ethylbenzene	mg/l	0.0263	0.0248	105.	61.4-133	5.88	20	L707563-07	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0260	0.0243	104.	55.1-136	6.81	23.6	L707563-07	WG729570
Isopropylbenzene	mg/l	0.0248	0.0234	99.2	66.8-141	5.82	20	L707563-07	WG729570

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Level II

L706111

July 01, 2014

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Methyl tert-butyl ether	mg/l	0.0233	0.0215	93.1	57.7-134	8.13	20	L707563-07	WG729570
Methylene Chloride	mg/l	0.0221	0.0208	88.3	58.1-122	5.76	20	L707563-07	WG729570
n-Butylbenzene	mg/l	0.0239	0.0217	95.5	62.7-140	9.71	20.3	L707563-07	WG729570
n-Propylbenzene	mg/l	0.0243	0.0229	97.0	65.9-131	5.99	20	L707563-07	WG729570
Naphthalene	mg/l	0.0279	0.0256	112.	58-135	8.78	25.5	L707563-07	WG729570
p-Isopropyltoluene	mg/l	0.0254	0.0239	101.	63.2-139	6.12	20.4	L707563-07	WG729570
sec-Butylbenzene	mg/l	0.0254	0.0238	102.	62.2-136	6.73	20.3	L707563-07	WG729570
Styrene	mg/l	0.0276	0.0259	110.	66.8-133	6.44	20	L707563-07	WG729570
tert-Butylbenzene	mg/l	0.0264	0.0247	106.	63.3-134	6.68	21	L707563-07	WG729570
Tetrachloroethene	mg/l	0.0256	0.0241	102.	53-139	6.36	20	L707563-07	WG729570
Toluene	mg/l	0.0250	0.0239	100.	61.4-130	4.64	20	L707563-07	WG729570
trans-1,2-Dichloroethene	mg/l	0.0222	0.0208	89.0	56.5-129	6.89	20	L707563-07	WG729570
trans-1,3-Dichloropropene	mg/l	0.0302	0.0294	121.	64.1-128	2.80	20	L707563-07	WG729570
Trichloroethene	mg/l	0.0251	0.0232	100.	44.1-149	7.73	20	L707563-07	WG729570
Trichlorofluoromethane	mg/l	0.0237	0.0224	94.8	49.6-145	5.65	21.2	L707563-07	WG729570
Vinyl chloride	mg/l	0.0202	0.0190	81.0	47.8-137	6.15	20	L707563-07	WG729570
Xylenes, Total	mg/l	0.0775	0.0725	103.	63.3-131	6.68	20	L707563-07	WG729570
4-Bromofluorobenzene				95.70	71-126				WG729570
Dibromofluoromethane				88.20	78.3-121				WG729570
Toluene-d8				103.0	88.5-111				WG729570

Post Spike

Serial Dilution

Batch number /Run number / Sample number cross reference

WG727902: R2947165: L706111-01 02 03 04 05 06 08
WG727090: R2947565: L706111-01 02
WG727771: R2947645 R2948925: L706111-03 05 08
WG727919: R2948065: L706111-08
WG728409: R2948966 R2949949: L706111-01 02 04 06
WG727917: R2949466: L706111-01 02 04 05 06 07
WG728445: R2949749 R2949929 R2951307: L706111-03 04 05 06 08
WG728679: R2949789: L706111-08
WG728167: R2949905 R2950086: L706111-01 02 03 04 05 06 08
WG728454: R2950167 R2950254: L706111-01 02 03 04 05 06 08

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WG728273: R2950445: L706111-03 04 05 08
WG728871: R2950629: L706111-02
WG728924: R2950749: L706111-03
WG728444: R2950806: L706111-02
WG728531: R2951269: L706111-01 02 03 04 05 06 08
WG728625: R2951308 R2952525: L706111-01
WG729570: R2953407: L706111-08

* * Calculations are performed prior to rounding of reported values.
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Former Sanitary Laundry Property

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #

P.O. #

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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L# L706111
D014

Acctnum: SME
Template: T90986
Prelogin: P472528
TSR: 690 - Tom Mellette
PB: 6-10-14
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	8082 100ml Amb-NoPres	EPHTN 100ml Amb-HCl <2	GROTN 40mlAmb HCl	PAHSIMLVI 40mlAmb-NoPres-WT	RCRA8 Metals 500mlHDPE-HNO3 <2	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk				Rem./Contaminant	Sample # (lab only)
~~MW-~~ PZ-4	G	GW	—	6-20-14	1104	12	X	X	X	X	X	X						07
~~MW-~~ PZ-7	|	GW	—	6-19-14	1453	12	X	X	X	X	X	X						02
~~MW-~~ PZ-9	|	GW	—	6-19-14	1320	12	X	X	X	X	X	X						03
~~MW-~~ PZ-12	|	GW	—	6-19-14	1245	12	X	X	X	X	X	X						04
MW-1	|	GW	—	6-19-14	1400	12	X	X	X	X	X	X						05
MW-2	|	GW	—	6-20-14	1022	12	X	X	X	X	X	X						06
~~MW-~~		GW				12	X	X	X	X	X	X						
~~MW-~~		GW				12	X	X	X	X	X	X						
~~MW-~~ TRIP BLANK	—	GW	—	6-20-14	—	~~12~~ 2	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X					07
FIELD DUPLICATE	G	GW	—	6-19-14	—	12	X	X	X	X	X	X						08

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

~~Remarks: Please indicate Matrix Spike / Marcix Spike Dup Site On CoFC~~

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Ralph L Russell	6-20-14	14:10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
	6-20-14	17:00	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ Corp

Temp: 3.1 °C Bottles Received: 86

Date: 6/21/14 Time: 0700

Condition: ✓ (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: ✓

NCF:

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Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Monday July 14, 2014

Report Number: L708669
Samples Received: 07/08/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-01

Sample ID : SG-1 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:20

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.1	3.5	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.040	0.25	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.071	0.35	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.052	0.21	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.34	1.5	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	310	2100	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.2	6.5	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.18	0.96	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< **0.070**	TO-15	**07/11/14**	1
1,4-Bromofluorobenzene	460-00-4				135	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-02

Sample ID : SG-2 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:30

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.0	3.2	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.25	1.6	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.060	0.29	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.13	0.52	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.47	2.0	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	1100	7500	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.20	1.1	3.7	20.	TO-15	07/13/14	10
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-03

Sample ID : SG-3 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:38

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.50	1.6	34.	110	TO-15	07/13/14	25
Carbon tetrachloride	56-23-5	154	0.50	3.1	< 0.50	< 3.1	TO-15	07/13/14	25
Chloroethane	75-00-3	64.5	1.0	2.6	5.4	14.	TO-15	07/13/14	25
Chloroform	67-66-3	119	0.50	2.4	8.0	39.	TO-15	07/13/14	25
Chloromethane	74-87-3	50.5	0.75	1.5	< 0.75	< 1.5	TO-15	07/13/14	25
1,2-Dibromoethane	106-93-4	188	0.50	3.8	< 0.50	< 3.8	TO-15	07/13/14	25
1,4-Dichlorobenzene	106-46-7	147	0.50	3.0	< 0.50	< 3.0	TO-15	07/13/14	25
1,1-Dichloroethane	75-34-3	98	0.50	2.0	19.	76.	TO-15	07/13/14	25
1,1-Dichloroethene	75-35-4	96.9	20.	79.	160	630	TO-15	07/13/14	1000
cis-1,2-Dichloroethene	156-59-2	96.9	320	1300	5400	21000	TO-15	07/13/14	16000
trans-1,2-Dichloroethene	156-60-5	96.9	20.	79.	120	480	TO-15	07/13/14	1000
1,2-Dichloropropane	78-87-5	113	0.75	3.5	< 0.75	< 3.5	TO-15	07/13/14	25
cis-1,3-Dichloropropene	10061-01-5	111	0.50	2.3	< 0.50	< 2.3	TO-15	07/13/14	25
trans-1,3-Dichloropropene	10061-02-6	111	0.75	3.4	< 0.75	< 3.4	TO-15	07/13/14	25
Ethylbenzene	100-41-4	106	0.75	3.3	< 0.75	< 3.3	TO-15	07/13/14	25
1,1,2,2-Tetrachloroethane	79-34-5	168	0.50	3.4	< 0.50	< 3.4	TO-15	07/13/14	25
Tetrachloroethylene	127-18-4	166	320	2200	10000	68000	TO-15	07/13/14	16000
1,1,1-Trichloroethane	71-55-6	133	0.50	2.7	< 0.50	< 2.7	TO-15	07/13/14	25
1,1,2-Trichloroethane	79-00-5	133	0.75	4.1	< 0.75	< 4.1	TO-15	07/13/14	25
Trichloroethylene	79-01-6	131	20.	110	1900	10000	TO-15	07/13/14	1000
Vinyl chloride	75-01-4	62.5	20.	51.	260	660	TO-15	07/13/14	1000
Vinyl acetate	108-05-4	86.1	0.50	1.8	< 0.50	< 1.8	TO-15	07/13/14	25
1,4-Bromofluorobenzene	460-00-4				100	% Rec.	TO-15	07/13/14	25

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-04

Sample ID : SG-4 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 10:20

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.26	0.83	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.18	1.1	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.47	2.3	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.99	3.9	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.042	0.17	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	< 0.030	< 0.13	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	80.	540	2300	16000	TO-15	07/13/14	4000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	0.080	0.44	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.50	2.7	19.	100	TO-15	07/13/14	25
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				124	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-05

Sample ID : SG-5 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 10:26

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.16	0.51	2.9	9.3	TO-15	07/13/14	8
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.086	0.54	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.069	0.34	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	1.0	4.3	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	16.	110	1300	8800	TO-15	07/13/14	800
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.33	1.8	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				124	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : SG-6 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 11:00

ESC Sample # : L708669-06

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.86	2.7	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.024	0.15	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.035	0.17	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	1.1	4.8	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	850	5800	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	0.81	4.4	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.48	2.6	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-07

Sample ID : SG-7 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 11:06

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.13	0.42	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.068	0.33	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.077	0.31	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.057	0.25	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	820	5600	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.7	9.2	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.40	2.1	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				134	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

ESC Sample # : L708669-08

Site ID :

Project # : 1434-11-392-007

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : SG-8 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 11:08

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.3	4.2	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	1.3	8.2	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.50	2.4	9.8	48.	TO-15	07/13/14	25
Chloromethane	74-87-3	50.5	0.030	0.062	0.48	0.99	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	0.12	0.48	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	40.	160	320	1300	TO-15	07/13/14	2000
trans-1,2-Dichloroethene	156-60-5	96.9	0.50	2.0	48.	190	TO-15	07/13/14	25
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.59	2.6	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	1600	11000	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	40.	210	330	1800	TO-15	07/13/14	2000
Vinyl chloride	75-01-4	62.5	0.020	0.051	0.12	0.31	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : DUPLICATE 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 00:00

ESC Sample # : L708669-09

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.069	0.34	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.088	0.35	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.068	0.29	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	760	5200	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.8	9.8	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.51	2.7	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L708669-05	WG731181	SAMP	Carbon tetrachloride	R2960310	**
	WG731410	SAMP	Tetrachloroethylene	R2960525	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/14/14 at 11:55:57

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L708669-01 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-02 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-03 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-04 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-05 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-06 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-07 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-08 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-09 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

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Tax I.D. 62-0814289

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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L708669

July 14, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1-Trichloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1,2,2-Tetrachloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1,2-Trichloroethane	< .03	ppb			WG731181	07/11/14 08:37
1,1-Dichloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
1,2-Dibromoethane	< .02	ppb			WG731181	07/11/14 08:37
1,2-Dichloropropane	< .03	ppb			WG731181	07/11/14 08:37
1,4-Dichlorobenzene	< .02	ppb			WG731181	07/11/14 08:37
Benzene	< .02	ppb			WG731181	07/11/14 08:37
Carbon tetrachloride	< .02	ppb			WG731181	07/11/14 08:37
Chloroethane	< .04	ppb			WG731181	07/11/14 08:37
Chloroform	< .02	ppb			WG731181	07/11/14 08:37
Chloromethane	< .03	ppb			WG731181	07/11/14 08:37
cis-1,2-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
cis-1,3-Dichloropropene	< .02	ppb			WG731181	07/11/14 08:37
Ethylbenzene	< .03	ppb			WG731181	07/11/14 08:37
trans-1,2-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
trans-1,3-Dichloropropene	< .03	ppb			WG731181	07/11/14 08:37
Trichloroethylene	< .02	ppb			WG731181	07/11/14 08:37
Vinyl acetate	< .02	ppb			WG731181	07/11/14 08:37
Vinyl chloride	< .02	ppb			WG731181	07/11/14 08:37
1,4-Bromofluorobenzene		% Rec.	103.0	60-140	WG731181	07/11/14 08:37
1,1,1-Trichloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1,2,2-Tetrachloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1,2-Trichloroethane	< .03	ppb			WG731410	07/12/14 22:04
1,1-Dichloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1-Dichloroethene	< .02	ppb			WG731410	07/12/14 22:04
1,2-Dibromoethane	< .02	ppb			WG731410	07/12/14 22:04
1,2-Dichloropropane	< .03	ppb			WG731410	07/12/14 22:04
1,4-Dichlorobenzene	< .02	ppb			WG731410	07/12/14 22:04
Benzene	< .02	ppb			WG731410	07/12/14 22:04
Carbon tetrachloride	< .02	ppb			WG731410	07/12/14 22:04
Chloroethane	< .04	ppb			WG731410	07/12/14 22:04
Chloroform	< .02	ppb			WG731410	07/12/14 22:04
Chloromethane	< .03	ppb			WG731410	07/12/14 22:04
cis-1,3-Dichloropropene	< .02	ppb			WG731410	07/12/14 22:04
Ethylbenzene	< .03	ppb			WG731410	07/12/14 22:04
Tetrachloroethylene	< .02	ppb			WG731410	07/12/14 22:04
trans-1,2-Dichloroethene	< .02	ppb			WG731410	07/12/14 22:04
trans-1,3-Dichloropropene	< .03	ppb			WG731410	07/12/14 22:04
Trichloroethylene	< .02	ppb			WG731410	07/12/14 22:04
Vinyl acetate	< .02	ppb			WG731410	07/12/14 22:04
Vinyl chloride	< .02	ppb			WG731410	07/12/14 22:04
1,4-Bromofluorobenzene		% Rec.	97.70	60-140	WG731410	07/12/14 22:04
cis-1,2-Dichloroethene	< .02	ppb			WG731478	07/13/14 11:44
Tetrachloroethylene	< .02	ppb			WG731478	07/13/14 11:44
Trichloroethylene	< .02	ppb			WG731478	07/13/14 11:44
1,4-Bromofluorobenzene		% Rec.	90.20	60-140	WG731478	07/13/14 11:44

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	.5	0.479	95.9	70-130	WG731181
1,1,2,2-Tetrachloroethane	ppb	.5	0.518	104.	70-130	WG731181
1,1,2-Trichloroethane	ppb	.5	0.499	99.7	70-130	WG731181

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Nathan Peterson
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Louisville, TN 37777

Quality Assurance Report
Level II

L708669

July 14, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1-Dichloroethane	ppb	.5	0.451	90.2	70-130	WG731181
1,1-Dichloroethene	ppb	.5	0.442	88.4	70-130	WG731181
1,2-Dibromoethane	ppb	.5	0.495	99.0	70-130	WG731181
1,2-Dichloropropane	ppb	.5	0.477	95.5	70-130	WG731181
1,4-Dichlorobenzene	ppb	.5	0.514	103.	70-130	WG731181
Benzene	ppb	.5	0.504	101.	70-130	WG731181
Carbon tetrachloride	ppb	.5	0.496	99.1	70-130	WG731181
Chloroethane	ppb	.5	0.468	93.7	70-130	WG731181
Chloroform	ppb	.5	0.463	92.6	70-130	WG731181
Chloromethane	ppb	.5	0.400	80.0	70-130	WG731181
cis-1,2-Dichloroethene	ppb	.5	0.442	88.4	70-130	WG731181
cis-1,3-Dichloropropene	ppb	.5	0.460	92.0	70-130	WG731181
Ethylbenzene	ppb	.5	0.505	101.	70-130	WG731181
trans-1,2-Dichloroethene	ppb	.5	0.445	89.0	70-130	WG731181
trans-1,3-Dichloropropene	ppb	.5	0.481	96.2	70-130	WG731181
Trichloroethylene	ppb	.5	0.502	100.	70-130	WG731181
Vinyl acetate	ppb	.5	0.385	77.1	70-130	WG731181
Vinyl chloride	ppb	.5	0.405	81.0	70-130	WG731181
1,4-Bromofluorobenzene				101.0	60-140	WG731181
1,1,1-Trichloroethane	ppb	.5	0.410	82.0	70-130	WG731410
1,1,2,2-Tetrachloroethane	ppb	.5	0.390	78.0	70-130	WG731410
1,1,2-Trichloroethane	ppb	.5	0.420	84.0	70-130	WG731410
1,1-Dichloroethane	ppb	.5	0.424	84.7	70-130	WG731410
1,1-Dichloroethene	ppb	.5	0.425	85.0	70-130	WG731410
1,2-Dibromoethane	ppb	.5	0.416	83.1	70-130	WG731410
1,2-Dichloropropane	ppb	.5	0.419	83.7	70-130	WG731410
1,4-Dichlorobenzene	ppb	.5	0.418	83.6	70-130	WG731410
Benzene	ppb	.5	0.386	77.2	70-130	WG731410
Carbon tetrachloride	ppb	.5	0.411	82.2	70-130	WG731410
Chloroethane	ppb	.5	0.433	86.6	70-130	WG731410
Chloroform	ppb	.5	0.422	84.4	70-130	WG731410
Chloromethane	ppb	.5	0.431	86.2	70-130	WG731410
cis-1,3-Dichloropropene	ppb	.5	0.419	83.7	70-130	WG731410
Ethylbenzene	ppb	.5	0.378	75.6	70-130	WG731410
Tetrachloroethylene	ppb	.5	0.336	67.3*	70-130	WG731410
trans-1,2-Dichloroethene	ppb	.5	0.421	84.3	70-130	WG731410
trans-1,3-Dichloropropene	ppb	.5	0.433	86.5	70-130	WG731410
Trichloroethylene	ppb	.5	0.381	76.3	70-130	WG731410
Vinyl acetate	ppb	.5	0.488	97.6	70-130	WG731410
Vinyl chloride	ppb	.5	0.419	83.8	70-130	WG731410
1,4-Bromofluorobenzene				103.0	60-140	WG731410
cis-1,2-Dichloroethene	ppb	.5	0.461	92.2	70-130	WG731478
Tetrachloroethylene	ppb	.5	0.389	77.9	70-130	WG731478
Trichloroethylene	ppb	.5	0.435	87.0	70-130	WG731478
1,4-Bromofluorobenzene				108.0	60-140	WG731478

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1-Trichloroethane	ppb	0.493	0.479	99.0	70-130	2.89	25	WG731181
1,1,2,2-Tetrachloroethane	ppb	0.533	0.518	107.	70-130	2.97	25	WG731181
1,1,2-Trichloroethane	ppb	0.531	0.499	106.	70-130	6.27	25	WG731181
1,1-Dichloroethane	ppb	0.469	0.451	94.0	70-130	3.90	25	WG731181
1,1-Dichloroethene	ppb	0.488	0.442	98.0	70-130	9.94	25	WG731181
1,2-Dibromoethane	ppb	0.518	0.495	104.	70-130	4.55	25	WG731181

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Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L708669

July 14, 2014

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dichloropropane	ppb	0.502	0.477	100.	70-130	5.06	25	WG731181
1,4-Dichlorobenzene	ppb	0.523	0.514	104.	70-130	1.60	25	WG731181
Benzene	ppb	0.533	0.504	107.	70-130	5.55	25	WG731181
Carbon tetrachloride	ppb	0.511	0.496	102.	70-130	2.95	25	WG731181
Chloroethane	ppb	0.505	0.468	101.	70-130	7.53	25	WG731181
Chloroform	ppb	0.480	0.463	96.0	70-130	3.61	25	WG731181
Chloromethane	ppb	0.476	0.400	95.0	70-130	17.4	25	WG731181
cis-1,2-Dichloroethene	ppb	0.466	0.442	93.0	70-130	5.33	25	WG731181
cis-1,3-Dichloropropene	ppb	0.491	0.460	98.0	70-130	6.57	25	WG731181
Ethylbenzene	ppb	0.532	0.505	106.	70-130	5.27	25	WG731181
trans-1,2-Dichloroethene	ppb	0.469	0.445	94.0	70-130	5.25	25	WG731181
trans-1,3-Dichloropropene	ppb	0.508	0.481	102.	70-130	5.57	25	WG731181
Trichloroethylene	ppb	0.519	0.502	104.	70-130	3.38	25	WG731181
Vinyl acetate	ppb	0.417	0.385	83.0	70-130	7.93	25	WG731181
Vinyl chloride	ppb	0.462	0.405	92.0	70-130	13.1	25	WG731181
1,4-Bromofluorobenzene				106.0	60-140			WG731181
1,1,1-Trichloroethane	ppb	0.423	0.410	84.0	70-130	3.16	25	WG731410
1,1,2,2-Tetrachloroethane	ppb	0.478	0.390	96.0	70-130	20.2	25	WG731410
1,1,2-Trichloroethane	ppb	0.468	0.420	94.0	70-130	11.0	25	WG731410
1,1-Dichloroethane	ppb	0.442	0.424	88.0	70-130	4.36	25	WG731410
1,1-Dichloroethene	ppb	0.413	0.425	82.0	70-130	2.99	25	WG731410
1,2-Dibromoethane	ppb	0.487	0.416	97.0	70-130	15.8	25	WG731410
1,2-Dichloropropane	ppb	0.469	0.419	94.0	70-130	11.3	25	WG731410
1,4-Dichlorobenzene	ppb	0.526	0.418	105.	70-130	23.0	25	WG731410
Benzene	ppb	0.458	0.386	92.0	70-130	17.1	25	WG731410
Carbon tetrachloride	ppb	0.415	0.411	83.0	70-130	0.930	25	WG731410
Chloroethane	ppb	0.415	0.433	83.0	70-130	4.17	25	WG731410
Chloroform	ppb	0.443	0.422	89.0	70-130	4.93	25	WG731410
Chloromethane	ppb	0.409	0.431	82.0	70-130	5.22	25	WG731410
cis-1,3-Dichloropropene	ppb	0.484	0.419	97.0	70-130	14.5	25	WG731410
Ethylbenzene	ppb	0.461	0.378	92.0	70-130	19.9	25	WG731410
Tetrachloroethylene	ppb	0.395	0.336	79.0	70-130	15.9	25	WG731410
trans-1,2-Dichloroethene	ppb	0.416	0.421	83.0	70-130	1.29	25	WG731410
trans-1,3-Dichloropropene	ppb	0.502	0.433	100.	70-130	14.8	25	WG731410
Trichloroethylene	ppb	0.456	0.381	91.0	70-130	17.9	25	WG731410
Vinyl acetate	ppb	0.471	0.488	94.0	70-130	3.58	25	WG731410
Vinyl chloride	ppb	0.403	0.419	81.0	70-130	3.83	25	WG731410
1,4-Bromofluorobenzene				103.0	60-140			WG731410
cis-1,2-Dichloroethene	ppb	0.440	0.461	88.0	70-130	4.57	25	WG731478
Tetrachloroethylene	ppb	0.391	0.389	78.0	70-130	0.470	25	WG731478
Trichloroethylene	ppb	0.447	0.435	89.0	70-130	2.79	25	WG731478
1,4-Bromofluorobenzene				98.00	60-140			WG731478

Batch number /Run number / Sample number cross reference

WG731181: R2960310: L708669-01 02 04 05 06 07 08 09
WG731410: R2960525: L708669-02 03 04 05
WG731478: R2960965: L708669-01 02 03 04 06 07 08 09

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L708669

July 14, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: SANITARY LAUNDRY

City/State Collected: KNOXVILLE, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

L# L708664

L018

Collected by (print): [signature]

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? X No ___Yes

Acctnum: SME
Template: T90990
Prelogin: P472532
TSR: 690 - Tom Mellette
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
SG-1	G	Air	3.0	7-3-14	0820	1	X	-01	
SG-2	G	Air	3.0	7-3-14	0830	1	X	-02	
SG-3	G	Air	3.0	7-3-14	0838	1	X	-03	
SG-4	G	Air	3.0	7-3-14	1020	1	X	-04	
SG-5	G	Air	3.0	7-3-14	1026	1	X	-05	
SG-6	G	AIR	3.0	7-3-14	1100	1	X	-06	
SG-7	G	AIR	3.0	7-3-14	1106	1	X	-07	
SG-8	G	AIR	3.0	7-3-14	1108	1	X	-08	
Duplicate	G	AIR	3.0	7-3-14	xxxx	1	X	-09	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ Cont.	Condition: OK (lab use only) TDI
[signature]	7/7/14	15:40	[signature]		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4 Mb, °C Bottles Received: 9 Summa 11 FC	COC Seal Intact: ✓ Y ___N ___NA
[signature]	7-7-14	17:00	Received for lab by: (Signature) [signature]	Date: 7-8-14 Time: 2 empty 0700	pH Checked: NCF:

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Louisville, TN 37777

Billing Information:
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Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Phone: 800-767-5859
Fax: 615-758-5859

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

L# L704865

K119

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): MATT DeVOE

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on ice N ✓ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X___Yes
FAX? ___No ___Yes

Acctnum: SME
Template: T90990 6/10/14
Prelogin: P472532
TSR: 690 - Tom Mellette
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
AA-1	G	Air		6/12/14	1618	1	X		-01
AA-2		Air		"	1619	1	X		-02
AA-3		Air		"	1620	1	X		-03
AA-4		Air		6/13/14	1614	1	X		-04
AA-5		Air			1613	1	X		-05
AA-6		Air			1612	1	X		-06
AA-7		Air			1620	1	X		-07
AA-8		Air			1621	1	X		-08
		Air				1	X		
		Air				1	X		

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ Cold	Condition: (lab use only)
	6/13/14	1700			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: amb °C Bottles Received: 8+8tc	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date: 6-13-14	Time: 17:00	Received for lab by: (Signature)	Date: 6-14-14 Time: 0900	pH Checked: NCF:

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Nathan Peterson
S&ME Inc. - Knoxville
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Louisville, TN 37777

Report Summary

Wednesday June 18, 2014

Report Number: L704865
Samples Received: 06/14/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-01

Site ID :

Project # : 1434-11-392-007

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-1

Collected By : Mat Devoe
Collection Date : 06/12/14 16:18

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.075	0.47	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.20	0.97	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.64	1.3	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	0.020	0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.64	2.5	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.021	0.083	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.74	3.2	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.16	1.1	4.8	33.	TO-15	06/18/14	8
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.89	4.8	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				113	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-2

Collected By : Mat Devoe
Collection Date : 06/12/14 16:19

ESC Sample # : L704865-02

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.065	0.32	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.55	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.80	3.2	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.026	0.10	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.59	2.6	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.16	1.1	6.8	46.	TO-15	06/18/14	8
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	1.2	6.4	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				96.4	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-3

Collected By : Mat Devoe
Collection Date : 06/12/14 16:20

ESC Sample # : L704865-03

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.12	0.38	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.046	0.22	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.53	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.31	1.2	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.16	0.69	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.080	0.54	2.5	17.	TO-15	06/18/14	4
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.43	2.3	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-04

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : AA-4

Project # : 1434-11-392-007

Collected By : Mat Devoe
Collection Date : 06/13/14 16:14

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.27	0.86	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.073	0.46	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.037	0.18	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.50	1.0	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.026	0.10	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.20	0.87	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.070	0.48	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				114	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-05

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : AA-5

Project # : 1434-11-392-007

Collected By : Mat Devoe
Collection Date : 06/13/14 16:13

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.26	0.83	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.027	0.13	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.50	1.0	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.035	0.14	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.22	0.95	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.063	0.43	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-6

Collected By : Mat Devoe
Collection Date : 06/13/14 16:12

ESC Sample # : L704865-06

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.31	0.99	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.067	0.42	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.025	0.12	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.51	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.38	1.6	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.072	0.49	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				101	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-7

Collected By : Mat Devoe
Collection Date : 06/13/14 16:20

ESC Sample # : L704865-07

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.16	0.51	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.066	0.42	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.021	0.10	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.44	0.91	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.037	0.15	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.083	0.36	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.083	0.56	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.032	0.17	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				115	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-8

Collected By : Mat Devoe
Collection Date : 06/13/14 16:24

ESC Sample # : L704865-08

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.47	1.5	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.068	0.43	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.022	0.11	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.46	0.95	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.13	0.56	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.36	2.4	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				99.5	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L704865

June 18, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1-Trichloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1,2,2-Tetrachloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1,2-Trichloroethane	< .03	ppb			WG726831	06/17/14 09:11
1,1-Dichloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
1,2-Dibromoethane	< .02	ppb			WG726831	06/17/14 09:11
1,2-Dichloropropane	< .03	ppb			WG726831	06/17/14 09:11
1,4-Dichlorobenzene	< .02	ppb			WG726831	06/17/14 09:11
Benzene	< .02	ppb			WG726831	06/17/14 09:11
Carbon tetrachloride	< .02	ppb			WG726831	06/17/14 09:11
Chloroethane	< .04	ppb			WG726831	06/17/14 09:11
Chloroform	< .02	ppb			WG726831	06/17/14 09:11
Chloromethane	< .03	ppb			WG726831	06/17/14 09:11
cis-1,2-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
cis-1,3-Dichloropropene	< .02	ppb			WG726831	06/17/14 09:11
Ethylbenzene	< .03	ppb			WG726831	06/17/14 09:11
Tetrachloroethylene	< .02	ppb			WG726831	06/17/14 09:11
trans-1,2-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
trans-1,3-Dichloropropene	< .03	ppb			WG726831	06/17/14 09:11
Trichloroethylene	< .02	ppb			WG726831	06/17/14 09:11
Vinyl acetate	< .02	ppb			WG726831	06/17/14 09:11
Vinyl chloride	< .02	ppb			WG726831	06/17/14 09:11
1,4-Bromofluorobenzene		% Rec.	100.0	60-140	WG726831	06/17/14 09:11

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	.5	0.439	87.8	70-130	WG726831
1,1,2,2-Tetrachloroethane	ppb	.5	0.429	85.8	70-130	WG726831
1,1,2-Trichloroethane	ppb	.5	0.468	93.5	70-130	WG726831
1,1-Dichloroethane	ppb	.5	0.445	89.0	70-130	WG726831
1,1-Dichloroethene	ppb	.5	0.425	85.0	70-130	WG726831
1,2-Dibromoethane	ppb	.5	0.480	96.0	70-130	WG726831
1,2-Dichloropropane	ppb	.5	0.450	90.0	70-130	WG726831
1,4-Dichlorobenzene	ppb	.5	0.423	84.7	70-130	WG726831
Benzene	ppb	.5	0.432	86.4	70-130	WG726831
Carbon tetrachloride	ppb	.5	0.438	87.6	70-130	WG726831
Chloroethane	ppb	.5	0.444	88.7	70-130	WG726831
Chloroform	ppb	.5	0.449	89.9	70-130	WG726831
Chloromethane	ppb	.5	0.443	88.6	70-130	WG726831
cis-1,2-Dichloroethene	ppb	.5	0.453	90.6	70-130	WG726831
cis-1,3-Dichloropropene	ppb	.5	0.456	91.2	70-130	WG726831
Ethylbenzene	ppb	.5	0.430	85.9	70-130	WG726831
Tetrachloroethylene	ppb	.5	0.434	86.9	70-130	WG726831
trans-1,2-Dichloroethene	ppb	.5	0.428	85.5	70-130	WG726831
trans-1,3-Dichloropropene	ppb	.5	0.486	97.2	70-130	WG726831
Trichloroethylene	ppb	.5	0.424	84.9	70-130	WG726831
Vinyl acetate	ppb	.5	0.485	97.0	70-130	WG726831
Vinyl chloride	ppb	.5	0.411	82.1	70-130	WG726831
1,4-Bromofluorobenzene				112.0	60-140	WG726831

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1-Trichloroethane	ppb	0.494	0.439	99.0	70-130	11.8	25	WG726831
1,1,2,2-Tetrachloroethane	ppb	0.520	0.429	104.	70-130	19.3	25	WG726831
1,1,2-Trichloroethane	ppb	0.525	0.468	105.	70-130	11.7	25	WG726831
1,1-Dichloroethane	ppb	0.498	0.445	100.	70-130	11.3	25	WG726831
1,1-Dichloroethene	ppb	0.472	0.425	94.0	70-130	10.6	25	WG726831

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L704865

June 18, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dibromoethane	ppb	0.520	0.480	104.	70-130	8.06	25	WG726831
1,2-Dichloropropane	ppb	0.528	0.450	106.	70-130	15.9	25	WG726831
1,4-Dichlorobenzene	ppb	0.477	0.423	95.0	70-130	11.9	25	WG726831
Benzene	ppb	0.510	0.432	102.	70-130	16.5	25	WG726831
Carbon tetrachloride	ppb	0.492	0.438	98.0	70-130	11.6	25	WG726831
Chloroethane	ppb	0.499	0.444	100.	70-130	11.7	25	WG726831
Chloroform	ppb	0.498	0.449	100.	70-130	10.3	25	WG726831
Chloromethane	ppb	0.485	0.443	97.0	70-130	9.09	25	WG726831
cis-1,2-Dichloroethene	ppb	0.500	0.453	100.	70-130	9.80	25	WG726831
cis-1,3-Dichloropropene	ppb	0.513	0.456	103.	70-130	11.8	25	WG726831
Ethylbenzene	ppb	0.517	0.430	103.	70-130	18.4	25	WG726831
Tetrachloroethylene	ppb	0.503	0.434	100.	70-130	14.6	25	WG726831
trans-1,2-Dichloroethene	ppb	0.477	0.428	95.0	70-130	11.0	25	WG726831
trans-1,3-Dichloropropene	ppb	0.520	0.486	104.	70-130	6.78	25	WG726831
Trichloroethylene	ppb	0.500	0.424	100.	70-130	16.3	25	WG726831
Vinyl acetate	ppb	0.514	0.485	103.	70-130	5.77	25	WG726831
Vinyl chloride	ppb	0.455	0.411	91.0	70-130	10.3	25	WG726831
1,4-Bromofluorobenzene				99.70	60-140			WG726831

Batch number /Run number / Sample number cross reference

WG726831: R2942950: L704865-01 02 03 04 05 06 07 08

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L704865

June 18, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #

P.O. #

Collected by (signature): Ralph L. Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of ~~3~~ 4

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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L705269

Ta A165

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14 bm
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4ozClr-NoPres	GROTN,VOC Scan 2ozClr-NoPres	RCRA8 Metals 2ozClr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40mlAmb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-1 (2'-4')	G	SS	2'-4'	6/16/14	1130	6	X	X	X	X								-01
GP-1 (4'-7')		SS	4'-7'		1140	6	X	X	X	X								03
GP-2 (10'-15')		SS	10'-15'		1155	6	X	X	X	X							1687 ppm	03
GP-5 (5'-7')		SS	5'-7'		1223	6	X	X	X	X								04
GP-6 (7.5-10')		SS	7.5-10'		1350	6	X	X	X	X								05
GP-6 (12.5'-15.0')		SS	12.5-15'		1405	6	X	X	X	X								06
GP-7 (7.5'-10.0')		SS	7.5-10'		1237	6	X	X	X	X								07
GP-7 (15-17.5')		SS	15'-17.5'		1320	6	X	X	X	X								08
GP-8 (2.5'-5.0')		SS	2.5-5'		1420	6	X	X	X	X								09
GP-9 (7.5-10')		SS	7.5-10		1437	6	X	X	X	X							1123 ppm	10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please Indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Ralph L. Russell	6-17-14	16:50			AK m3
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: ~~16~~ 169	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by: (Signature)	Date: 6-17-14	Time: 17:00	Received for lab by: (Signature)	Date: 6/18/14 Time: 0700	pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: SANITARY Laundry

City/State Collected: KNOXVILLE, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph C. Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L705269

Table #

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4oz Clr-NoPres	GROTN,VOC Scan 2oz Clr-NoPres	RCRA8 Metals 2oz Clr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40ml Amb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-9 (15'-18')	G	SS	15'-18'	6/12/18	1440	6	X	X	X	X							1379 ppm	11
GP-10 (5'-10')	↓	SS	5'-10'	↓	1510	6	X	X	X	X								12
GP-10 (10'-13')		SS	10'-13'		1500	6	X	X	X	X							1025 ppm	13
GP-11 (5'-7.5')		SS	5'-7.5'		1532	6	X	X	X	X								14
GP-11 (11-12')		SS	11'-12'		1543	6	X	X	X	X							2158 ppm	15
GP-12 (5'-10')		SS	5'-10'		1600	6	X	X	X	X								16
GP-12 (10'-13.5')		SS	10'-13.5'		1608	5	X	X	X	X								17
GP-13 (0.6-5.0')		SS	0.6-5'		1623	5	X	X	X	X								18
GP-13 (10'-11')		SS	10'-11'		1631	6	X	X	X	X								19
GP-14 (5'-9')		SS	5'-9'	↓	1700	6	X	X	X	X								20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks: Please indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
[signature]	6-17-14	16:50	[signature]
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
[signature]	6-17-14	17:00	[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 31 °C Bottles Received: 169

Date: 6/18/14 Time: 0700

Hold #

Condition: (lab use only)

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph L Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3 4

ESC LABS SCIENCES
YOUR LAB OF CHOICE
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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L703269

Table #

Acctnum: SME
Template: T90982
Prelogin: P472533
TSR: 690 - Tom Mellette
PB: 6-10-14 Gm
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4ozClr-NoPres	GROTN,VOC Scan 2ozClr-NoPres	RCRA8 Metals 2ozClr-NoPres	V8260 40ml/NaBIS/Syr/MeOH	V8260 40mlAmb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
GP-3 (4'-6')	G	SS	4'-6'	6-17-14	914	6	X	X	X	X								21
GP-4 (0'-5')	|	SS	0'-5'	|	952	6	X	X	X	X								22
GP-4 (12.5'-15')	|	SS	12.5'-15'	|	1008	6	X	X	X	X								23
GP-15 (1'-2')	|	SS	1'-2'	|	751	6	X	X	X	X								24
GP-15 (5'-7.5')	|	SS	5'-7.5'	|	759	6	X	X	X	X								25
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								
		SS				6	X	X	X	X								

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Ralph L Russell	6-17-14	16:50			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 7.1 °C Bottles Received: 144	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date: 6-17-14	Time: 17:00	Received for lab by: (Signature)	Date: 6/18/14 Time: 07:00	pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project #: 1434-11-392-007

Lab Project #: SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #:

P.O. #:

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 4 of 4

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Fax: 615-758-5859

L# 1705269
Table #
Acctnum: SME
Template: T80982
Prelogin: P872533
TSR: 690 - Tom Mullette
PB: 6-16-14 6m
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EPHTN,PCBs,PAHs 4oz Clr-NoPres	GROTN,VOC Scan 2oz Clr-NoPres	RCRA8 Metals 2oz Clr-NoPres	VB260 40ml/NaBiS/Syr/MeOH	VB260 40ml Amb-HCl-Blk						Rem./Contaminant	Sample # (lab only)
		SS				6	X	X	X	X								
FIELD DUP	G	SS	—	6-16-14	—	6	X	X	X	X								26
MATRIX SPIKE GP-7	G	SS	7.5'-10'	6-16-14	1250	6	X	X	X	X								-07
MATRIX SPIKE DUP GP-7	G	SS	7.5'-10'	6-16-14	1250	6	X	X	X	X								-07
TRIP BLANK	—	GW	—	—	—	2					X							27
						2												

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please Indicate Matrix Spike / Matrix Spike Dup Site On CofC

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Ralph L Russell	6-17-14	16:50	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
	6-17-14	17:00	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 15

Date: 6/18/14 Time: 9:00

Hold #

Condition: (lab use only) ok

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

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Est. 1970

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Tuesday July 01, 2014

Report Number: L706111
Samples Received: 06/21/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-01

Sample ID : PZ-4

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0052	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.39	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.048	0.010	mg/l	6010B	06/26/14	1
Lead	0.050	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	79.5		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	0.0016	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-01 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-01

Sample ID : PZ-4

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	0.0013	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.068	0.0010	mg/l	8260B	06/25/14	1
trans-1,2-Dichloroethene	0.037	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.0010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.010	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.0050	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/25/14	1
Naphthalene	BDL	0.0010	mg/l	8260B	06/25/14	1
n-Propylbenzene	BDL	0.0050	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	0.0030	0.0010	mg/l	8260B	06/25/14	1
Toluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichlorofluoromethane	0.024	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	0.0028	0.0010	mg/l	8260B	06/25/14	1
Surrogate Recovery	BDL	0.0030	mg/l	8260B	06/25/14	1
Toluene-d8	99.4		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	103.		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	97.2		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-01 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-4

Collected By : Ralph L. Russell
Collection Date : 06/20/14 11:04

ESC Sample # : L706111-01

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.57	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	88.5		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthene	0.000092	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Naphthalene	0.0012	0.00025	mg/l	8270C-SIM	06/27/14	1
Phenanthrene	0.00012	0.000050	mg/l	8270C-SIM	06/27/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Surrogate Recovery						
Nitrobenzene-d5	113.		% Rec.	8270C-SIM	06/27/14	1
2-Fluorobiphenyl	111.		% Rec.	8270C-SIM	06/27/14	1
p-Terphenyl-d14	103.		% Rec.	8270C-SIM	06/27/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	101.		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	101.		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-01 (EPHTN) - Dilution due to sample volume

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0037	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.36	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.064	0.010	mg/l	6010B	06/26/14	1
Lead	0.038	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	1.3	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	89.7		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	0.0030	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	0.022	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-02 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	0.0010	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.56	0.10	mg/l	8260B	06/26/14	100
trans-1,2-Dichloroethene	0.0038	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	4.7	0.10	mg/l	8260B	06/26/14	100
Toluene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	0.47	0.10	mg/l	8260B	06/26/14	100
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	0.020	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	06/25/14	1
Surrogate Recovery						
Toluene-d8	93.9		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	92.3		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	88.4		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-02 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-02

Sample ID : PZ-7

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:53

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.93	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	88.9		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Naphthalene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Phenanthrene	BDL	0.00025	mg/l	8270C-SIM	06/27/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/27/14	1
Surrogate Recovery						
Nitrobenzene-d5	75.7		% Rec.	8270C-SIM	06/27/14	1
2-Fluorobiphenyl	99.3		% Rec.	8270C-SIM	06/27/14	1
p-Terphenyl-d14	76.4		% Rec.	8270C-SIM	06/27/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	97.2		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	95.5		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-02 (EPHTN) - Dilution due to sample volume

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-03

Sample ID : PZ-9

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.11	0.050	mg/l	6020	06/27/14	50
Mercury	0.0011	0.00020	mg/l	7470A	06/23/14	1
Barium	2.8	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.63	0.010	mg/l	6010B	06/26/14	1
Lead	0.40	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.10	mg/l	6010B	06/26/14	5
Silver	BDL	0.050	mg/l	6010B	06/26/14	5
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.87	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	66.6		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	0.50	mg/l	8260B	06/27/14	10
Acrolein	BDL	0.50	mg/l	8260B	06/27/14	10
Acrylonitrile	BDL	0.10	mg/l	8260B	06/27/14	10
Benzene	BDL	0.0033	mg/l	8260B	06/27/14	10
Bromobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	06/27/14	10
Bromoform	BDL	0.010	mg/l	8260B	06/27/14	10
Bromomethane	BDL	0.050	mg/l	8260B	06/27/14	10
n-Butylbenzene	0.025	0.010	mg/l	8260B	06/27/14	10
sec-Butylbenzene	0.047	0.010	mg/l	8260B	06/27/14	10
tert-Butylbenzene	0.031	0.010	mg/l	8260B	06/27/14	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	06/27/14	10
Chlorobenzene	0.081	0.010	mg/l	8260B	06/27/14	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	06/27/14	10
Chloroethane	BDL	0.050	mg/l	8260B	06/27/14	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	06/27/14	10
Chloroform	BDL	0.050	mg/l	8260B	06/27/14	10
Chloromethane	BDL	0.025	mg/l	8260B	06/27/14	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	06/27/14	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	06/27/14	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	06/27/14	10
Dibromomethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	06/27/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-03

Sample ID : PZ-9

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/27/14	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/27/14	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	06/27/14	10
Ethylbenzene	BDL	0.010	mg/l	8260B	06/27/14	10
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8260B	06/27/14	10
Isopropylbenzene	0.033	0.010	mg/l	8260B	06/27/14	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	06/27/14	10
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/27/14	10
Methylene Chloride	BDL	0.050	mg/l	8260B	06/27/14	10
4-Methyl-2-pentanone (MIBK)	BDL	0.10	mg/l	8260B	06/27/14	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/27/14	10
Naphthalene	BDL	0.050	mg/l	8260B	06/27/14	10
n-Propylbenzene	0.075	0.010	mg/l	8260B	06/27/14	10
Styrene	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2-Trichlorotrifluoroethane	BDL	0.010	mg/l	8260B	06/27/14	10
Tetrachloroethene	0.0050	0.0037	mg/l	8260B	06/27/14	10
Toluene	BDL	0.050	mg/l	8260B	06/27/14	10
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	06/27/14	10
Trichloroethene	BDL	0.010	mg/l	8260B	06/27/14	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	06/27/14	10
1,2,3-Trichloropropane	BDL	0.025	mg/l	8260B	06/27/14	10
1,2,4-Trimethylbenzene	0.10	0.010	mg/l	8260B	06/27/14	10
1,2,3-Trimethylbenzene	BDL	0.010	mg/l	8260B	06/27/14	10
1,3,5-Trimethylbenzene	0.025	0.010	mg/l	8260B	06/27/14	10
Vinyl chloride	BDL	0.010	mg/l	8260B	06/27/14	10
Xylenes, Total	BDL	0.030	mg/l	8260B	06/27/14	10
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	06/27/14	10
Dibromofluoromethane	98.7		% Rec.	8260B	06/27/14	10
4-Bromofluorobenzene	101.		% Rec.	8260B	06/27/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-9

Collected By : Ralph L. Russell
Collection Date : 06/19/14 13:20

ESC Sample # : L706111-03

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	2.4	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	79.8		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.000090	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.000076	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.024	0.0050	mg/l	8270C-SIM	06/26/14	20
Phenanthrene	0.000096	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	118.		% Rec.	8270C-SIM	06/26/14	20
2-Fluorobiphenyl	101.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	96.7		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	107.		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	80.3		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-04

Sample ID : PZ-12

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.017	0.0050	mg/l	6020	06/27/14	5
Mercury	0.00098	0.00020	mg/l	7470A	06/23/14	1
Barium	1.2	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.096	0.010	mg/l	6010B	06/26/14	1
Lead	0.52	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.7	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	96.9		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	0.50	mg/l	8260B	06/25/14	10
Acrolein	BDL	0.50	mg/l	8260B	06/25/14	10
Acrylonitrile	BDL	0.10	mg/l	8260B	06/25/14	10
Benzene	0.054	0.010	mg/l	8260B	06/25/14	10
Bromobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Bromodichloromethane	BDL	0.010	mg/l	8260B	06/25/14	10
Bromoform	BDL	0.010	mg/l	8260B	06/25/14	10
Bromomethane	BDL	0.050	mg/l	8260B	06/25/14	10
n-Butylbenzene	0.029	0.010	mg/l	8260B	06/25/14	10
sec-Butylbenzene	0.014	0.010	mg/l	8260B	06/25/14	10
tert-Butylbenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Carbon tetrachloride	BDL	0.010	mg/l	8260B	06/25/14	10
Chlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Chlorodibromomethane	BDL	0.010	mg/l	8260B	06/25/14	10
Chloroethane	BDL	0.050	mg/l	8260B	06/25/14	10
2-Chloroethyl vinyl ether	BDL	0.50	mg/l	8260B	06/25/14	10
Chloroform	BDL	0.050	mg/l	8260B	06/25/14	10
Chloromethane	BDL	0.025	mg/l	8260B	06/25/14	10
2-Chlorotoluene	BDL	0.010	mg/l	8260B	06/25/14	10
4-Chlorotoluene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dibromo-3-Chloropropane	BDL	0.050	mg/l	8260B	06/25/14	10
1,2-Dibromoethane	BDL	0.010	mg/l	8260B	06/25/14	10
Dibromomethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,3-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,4-Dichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
Dichlorodifluoromethane	BDL	0.050	mg/l	8260B	06/25/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-04 (EPHTN) - Dilution due to sample volume

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-04

Sample ID : PZ-12

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
cis-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
trans-1,2-Dichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
1,3-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
cis-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
trans-1,3-Dichloropropene	BDL	0.010	mg/l	8260B	06/25/14	10
2,2-Dichloropropane	BDL	0.010	mg/l	8260B	06/25/14	10
Di-isopropyl ether	BDL	0.010	mg/l	8260B	06/25/14	10
Ethylbenzene	0.18	0.010	mg/l	8260B	06/25/14	10
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8260B	06/25/14	10
Isopropylbenzene	0.060	0.010	mg/l	8260B	06/25/14	10
p-Isopropyltoluene	BDL	0.010	mg/l	8260B	06/25/14	10
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/25/14	10
Methylene Chloride	BDL	0.050	mg/l	8260B	06/25/14	10
4-Methyl-2-pentanone (MIBK)	BDL	0.10	mg/l	8260B	06/25/14	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8260B	06/25/14	10
Naphthalene	0.25	0.050	mg/l	8260B	06/25/14	10
n-Propylbenzene	0.16	0.010	mg/l	8260B	06/25/14	10
Styrene	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,1,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2,2-Tetrachloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2-Trichlorotrifluoroethane	BDL	0.010	mg/l	8260B	06/25/14	10
Tetrachloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
Toluene	BDL	0.050	mg/l	8260B	06/25/14	10
1,2,3-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,1-Trichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
1,1,2-Trichloroethane	BDL	0.010	mg/l	8260B	06/25/14	10
Trichloroethene	BDL	0.010	mg/l	8260B	06/25/14	10
Trichlorofluoromethane	BDL	0.050	mg/l	8260B	06/25/14	10
1,2,3-Trichloropropane	BDL	0.025	mg/l	8260B	06/25/14	10
1,2,4-Trimethylbenzene	0.19	0.010	mg/l	8260B	06/25/14	10
1,2,3-Trimethylbenzene	0.070	0.010	mg/l	8260B	06/25/14	10
1,3,5-Trimethylbenzene	0.053	0.010	mg/l	8260B	06/25/14	10
Vinyl chloride	BDL	0.010	mg/l	8260B	06/25/14	10
Xylenes, Total	0.14	0.030	mg/l	8260B	06/25/14	10
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/25/14	10
Dibromofluoromethane	95.5		% Rec.	8260B	06/25/14	10
4-Bromofluorobenzene	91.2		% Rec.	8260B	06/25/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L706111-04 (EPHTN) - Dilution due to sample volume

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : PZ-12

Collected By : Ralph L. Russell
Collection Date : 06/19/14 12:45

ESC Sample # : L706111-04

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	4.7	0.11	mg/l	EPH	06/26/14	1.11
Surrogate Recovery						
o-Terphenyl	86.1		% Rec.	EPH	06/26/14	1.11
Polynuclear Aromatic Hydrocarbons						
Anthracene	0.00028	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.0012	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	0.00033	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	0.000096	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	0.000061	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	0.000081	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	0.000053	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	0.000094	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	0.00029	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.0011	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.26	0.0050	mg/l	8270C-SIM	06/26/14	20
Phenanthrene	0.0011	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	0.00033	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	129.		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	101.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	94.9		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	87.9		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	76.4		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27
L706111-04 (EPHTN) - Dilution due to sample volume

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0034	0.0010	mg/l	6020	06/27/14	1
Mercury	0.00022	0.00020	mg/l	7470A	06/23/14	1
Barium	0.42	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.038	0.010	mg/l	6010B	06/26/14	1
Lead	0.14	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.7	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.3		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	5.0	mg/l	8260B	06/25/14	100
Acrolein	BDL	5.0	mg/l	8260B	06/25/14	100
Acrylonitrile	BDL	1.0	mg/l	8260B	06/25/14	100
Benzene	BDL	0.10	mg/l	8260B	06/25/14	100
Bromobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Bromodichloromethane	BDL	0.10	mg/l	8260B	06/25/14	100
Bromoform	BDL	0.10	mg/l	8260B	06/25/14	100
Bromomethane	BDL	0.50	mg/l	8260B	06/25/14	100
n-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
sec-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
tert-Butylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Carbon tetrachloride	BDL	0.10	mg/l	8260B	06/25/14	100
Chlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Chlorodibromomethane	BDL	0.10	mg/l	8260B	06/25/14	100
Chloroethane	BDL	0.50	mg/l	8260B	06/25/14	100
2-Chloroethyl vinyl ether	BDL	5.0	mg/l	8260B	06/25/14	100
Chloroform	BDL	0.50	mg/l	8260B	06/25/14	100
Chloromethane	BDL	0.25	mg/l	8260B	06/25/14	100
2-Chlorotoluene	BDL	0.10	mg/l	8260B	06/25/14	100
4-Chlorotoluene	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dibromo-3-Chloropropane	BDL	0.50	mg/l	8260B	06/25/14	100
1,2-Dibromoethane	BDL	0.10	mg/l	8260B	06/25/14	100
Dibromomethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichlorobenzene	0.16	0.10	mg/l	8260B	06/25/14	100
1,3-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,4-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Dichlorodifluoromethane	BDL	0.50	mg/l	8260B	06/25/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1-Dichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
cis-1,2-Dichloroethene	8.9	0.10	mg/l	8260B	06/25/14	100
trans-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
1,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
1,3-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
cis-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
trans-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/25/14	100
2,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/25/14	100
Di-isopropyl ether	BDL	0.10	mg/l	8260B	06/25/14	100
Ethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	8260B	06/25/14	100
Isopropylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
p-Isopropyltoluene	BDL	0.10	mg/l	8260B	06/25/14	100
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/25/14	100
Methylene Chloride	BDL	1.0	mg/l	8260B	06/25/14	100
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	06/25/14	100
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	06/25/14	100
Naphthalene	BDL	0.10	mg/l	8260B	06/25/14	100
n-Propylbenzene	BDL	0.50	mg/l	8260B	06/25/14	100
Styrene	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,1,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2-Trichlorotrifluoroethane	BDL	0.10	mg/l	8260B	06/25/14	100
Tetrachloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
Toluene	1.7	0.10	mg/l	8260B	06/25/14	100
1,2,3-Trichlorobenzene	BDL	0.50	mg/l	8260B	06/25/14	100
1,2,4-Trichlorobenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,1-Trichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
1,1,2-Trichloroethane	BDL	0.10	mg/l	8260B	06/25/14	100
Trichloroethene	BDL	0.10	mg/l	8260B	06/25/14	100
Trichlorofluoromethane	4.0	0.10	mg/l	8260B	06/25/14	100
1,2,3-Trichloropropane	BDL	0.50	mg/l	8260B	06/25/14	100
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/25/14	100
1,2,3-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
1,3,5-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/25/14	100
Vinyl chloride	BDL	0.10	mg/l	8260B	06/25/14	100
Xylenes, Total	BDL	0.10	mg/l	8260B	06/25/14	100
	BDL	0.30	mg/l	8260B	06/25/14	100
Surrogate Recovery						
Toluene-d8	98.7		% Rec.	8260B	06/25/14	100
Dibromofluoromethane	102.		% Rec.	8260B	06/25/14	100
4-Bromofluorobenzene	94.0		% Rec.	8260B	06/25/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-05

Sample ID : MW-1

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 14:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.71	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	82.9		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Acenaphthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Acenaphthylene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(a)anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(a)pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(b)fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(g,h,i)perylene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Benzo(k)fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Chrysene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Dibenz(a,h)anthracene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Fluoranthene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Fluorene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Indeno(1,2,3-cd)pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Naphthalene	0.00078	0.00050	mg/l	8270C-SIM	06/26/14	2
Phenanthrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Pyrene	BDL	0.00010	mg/l	8270C-SIM	06/26/14	2
Surrogate Recovery						
Nitrobenzene-d5	79.5		% Rec.	8270C-SIM	06/26/14	2
2-Fluorobiphenyl	105.		% Rec.	8270C-SIM	06/26/14	2
p-Terphenyl-d14	87.3		% Rec.	8270C-SIM	06/26/14	2
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	80.1		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	91.9		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

Sample ID : MW-2

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

ESC Sample # : L706111-06

Site ID :

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0059	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.17	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	BDL	0.010	mg/l	6010B	06/26/14	1
Lead	0.024	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	0.98	0.10	mg/l	8015D	06/24/14	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	109.		% Rec.	8015D	06/24/14	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/25/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/25/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/25/14	1
Benzene	0.013	0.0010	mg/l	8260B	06/25/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/25/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/25/14	1
n-Butylbenzene	0.0044	0.0010	mg/l	8260B	06/25/14	1
sec-Butylbenzene	0.0056	0.0010	mg/l	8260B	06/25/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/25/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/25/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/25/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/25/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-06

Sample ID : MW-2

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,2-Dichloroethene	0.0011	0.0010	mg/l	8260B	06/25/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/25/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/25/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Ethylbenzene	0.0018	0.0010	mg/l	8260B	06/25/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/25/14	1
Isopropylbenzene	0.028	0.0010	mg/l	8260B	06/25/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/25/14	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/25/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/25/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/25/14	1
Naphthalene	0.012	0.0050	mg/l	8260B	06/25/14	1
n-Propylbenzene	0.062	0.0010	mg/l	8260B	06/25/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Tetrachloroethene	0.0057	0.0010	mg/l	8260B	06/25/14	1
Toluene	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/25/14	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	06/25/14	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	06/25/14	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
1,2,3-Trimethylbenzene	0.0024	0.0010	mg/l	8260B	06/25/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/25/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/25/14	1
Xylenes, Total	0.0077	0.0030	mg/l	8260B	06/25/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	06/25/14	1
Dibromofluoromethane	97.0		% Rec.	8260B	06/25/14	1
4-Bromofluorobenzene	84.0		% Rec.	8260B	06/25/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-06

Sample ID : MW-2

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 10:22

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.68	0.10	mg/l	EPH	06/26/14	1
Surrogate Recovery						
o-Terphenyl	88.5		% Rec.	EPH	06/26/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	0.00019	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	0.00014	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.017	0.00025	mg/l	8270C-SIM	06/26/14	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	102.		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	100.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	86.5		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	88.9		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	91.6		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-07

Sample ID : TRIP BLANK

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	06/24/14	1
Acrolein	BDL	0.050	mg/l	8260B	06/24/14	1
Acrylonitrile	BDL	0.010	mg/l	8260B	06/24/14	1
Benzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromoform	BDL	0.0010	mg/l	8260B	06/24/14	1
Bromomethane	BDL	0.0050	mg/l	8260B	06/24/14	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	06/24/14	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Chloroethane	BDL	0.0050	mg/l	8260B	06/24/14	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	06/24/14	1
Chloroform	BDL	0.0050	mg/l	8260B	06/24/14	1
Chloromethane	BDL	0.0025	mg/l	8260B	06/24/14	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/24/14	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Dibromomethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	06/24/14	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	06/24/14	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	06/24/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	06/24/14	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-07

Sample ID : TRIP BLANK

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/20/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	06/24/14	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	06/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	06/24/14	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	06/24/14	1
Naphthalene	BDL	0.0050	mg/l	8260B	06/24/14	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Styrene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
Toluene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2,3-Trichlorobenzene	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	06/24/14	1
Trichloroethene	BDL	0.0010	mg/l	8260B	06/24/14	1
Trichlorofluoromethane	BDL	0.0010	mg/l	8260B	06/24/14	1
1,2,3-Trichloropropane	BDL	0.0050	mg/l	8260B	06/24/14	1
1,2,4-Trimethylbenzene	BDL	0.0025	mg/l	8260B	06/24/14	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	06/24/14	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	06/24/14	1
Xylenes, Total	BDL	0.0010	mg/l	8260B	06/24/14	1
	BDL	0.0030	mg/l	8260B	06/24/14	1
Surrogate Recovery						
Toluene-d8	99.7		% Rec.	8260B	06/24/14	1
Dibromofluoromethane	97.0		% Rec.	8260B	06/24/14	1
4-Bromofluorobenzene	94.0		% Rec.	8260B	06/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	0.0047	0.0010	mg/l	6020	06/27/14	1
Mercury	BDL	0.00020	mg/l	7470A	06/23/14	1
Barium	0.41	0.0050	mg/l	6010B	06/26/14	1
Cadmium	BDL	0.0050	mg/l	6010B	06/26/14	1
Chromium	0.038	0.010	mg/l	6010B	06/26/14	1
Lead	0.12	0.0050	mg/l	6010B	06/26/14	1
Selenium	BDL	0.020	mg/l	6010B	06/26/14	1
Silver	BDL	0.010	mg/l	6010B	06/26/14	1
TPH (GC/FID) Low Fraction						
TPH (GC/FID) Low Fraction	4.6	0.50	mg/l	8015D	06/26/14	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	86.6		% Rec.	8015D	06/26/14	5
Volatile Organics						
Acetone	BDL	5.0	mg/l	8260B	06/30/14	100
Acrolein	BDL	5.0	mg/l	8260B	06/30/14	100
Acrylonitrile	BDL	1.0	mg/l	8260B	06/30/14	100
Benzene	BDL	0.10	mg/l	8260B	06/30/14	100
Bromobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Bromodichloromethane	BDL	0.10	mg/l	8260B	06/30/14	100
Bromoform	BDL	0.10	mg/l	8260B	06/30/14	100
Bromomethane	BDL	0.50	mg/l	8260B	06/30/14	100
n-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
sec-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
tert-Butylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Carbon tetrachloride	BDL	0.10	mg/l	8260B	06/30/14	100
Chlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Chlorodibromomethane	BDL	0.10	mg/l	8260B	06/30/14	100
Chloroethane	BDL	0.50	mg/l	8260B	06/30/14	100
2-Chloroethyl vinyl ether	BDL	5.0	mg/l	8260B	06/30/14	100
Chloroform	BDL	0.50	mg/l	8260B	06/30/14	100
Chloromethane	BDL	0.25	mg/l	8260B	06/30/14	100
2-Chlorotoluene	BDL	0.10	mg/l	8260B	06/30/14	100
4-Chlorotoluene	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dibromo-3-Chloropropane	BDL	0.50	mg/l	8260B	06/30/14	100
1,2-Dibromoethane	BDL	0.10	mg/l	8260B	06/30/14	100
Dibromomethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichlorobenzene	0.12	0.10	mg/l	8260B	06/30/14	100
1,3-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,4-Dichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Dichlorodifluoromethane	BDL	0.50	mg/l	8260B	06/30/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1-Dichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
cis-1,2-Dichloroethene	8.1	0.10	mg/l	8260B	06/30/14	100
trans-1,2-Dichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
1,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
1,3-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
cis-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
trans-1,3-Dichloropropene	BDL	0.10	mg/l	8260B	06/30/14	100
2,2-Dichloropropane	BDL	0.10	mg/l	8260B	06/30/14	100
Di-isopropyl ether	BDL	0.10	mg/l	8260B	06/30/14	100
Ethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	8260B	06/30/14	100
Isopropylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
p-Isopropyltoluene	BDL	0.10	mg/l	8260B	06/30/14	100
2-Butanone (MEK)	BDL	0.10	mg/l	8260B	06/30/14	100
Methylene Chloride	BDL	1.0	mg/l	8260B	06/30/14	100
4-Methyl-2-pentanone (MIBK)	BDL	0.50	mg/l	8260B	06/30/14	100
Methyl tert-butyl ether	BDL	1.0	mg/l	8260B	06/30/14	100
Naphthalene	BDL	0.10	mg/l	8260B	06/30/14	100
n-Propylbenzene	BDL	0.50	mg/l	8260B	06/30/14	100
Styrene	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,1,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2,2-Tetrachloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2-Trichlorotrifluoroethane	BDL	0.10	mg/l	8260B	06/30/14	100
Tetrachloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
Toluene	2.0	0.10	mg/l	8260B	06/30/14	100
1,2,3-Trichlorobenzene	BDL	0.50	mg/l	8260B	06/30/14	100
1,2,4-Trichlorobenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,1-Trichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
1,1,2-Trichloroethane	BDL	0.10	mg/l	8260B	06/30/14	100
Trichloroethene	BDL	0.10	mg/l	8260B	06/30/14	100
Trichlorofluoromethane	4.2	0.10	mg/l	8260B	06/30/14	100
1,2,3-Trichloropropane	BDL	0.50	mg/l	8260B	06/30/14	100
1,2,4-Trimethylbenzene	BDL	0.25	mg/l	8260B	06/30/14	100
1,2,3-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
1,3,5-Trimethylbenzene	BDL	0.10	mg/l	8260B	06/30/14	100
Vinyl chloride	BDL	0.10	mg/l	8260B	06/30/14	100
Xylenes, Total	BDL	0.10	mg/l	8260B	06/30/14	100
	BDL	0.30	mg/l	8260B	06/30/14	100
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	06/30/14	100
Dibromofluoromethane	93.8		% Rec.	8260B	06/30/14	100
4-Bromofluorobenzene	98.4		% Rec.	8260B	06/30/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 01, 2014

Date Received : June 21, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L706111-08

Sample ID : FIELD DUPLICATE

Site ID :

Collected By : Ralph L. Russell
Collection Date : 06/19/14 00:00

Project # : 1434-11-392-007

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Extractable Petroleum Hydrocarb	0.81	0.10	mg/l	EPH	06/25/14	1
Surrogate Recovery						
o-Terphenyl	89.4		% Rec.	EPH	06/25/14	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Naphthalene	0.00084	0.00025	mg/l	8270C-SIM	06/26/14	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	06/26/14	1
Surrogate Recovery						
Nitrobenzene-d5	65.7		% Rec.	8270C-SIM	06/26/14	1
2-Fluorobiphenyl	107.		% Rec.	8270C-SIM	06/26/14	1
p-Terphenyl-d14	84.3		% Rec.	8270C-SIM	06/26/14	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1221	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1232	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1242	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1248	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1254	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCB 1260	BDL	0.00050	mg/l	8082 A	06/26/14	1
PCBs Surrogates						
Decachlorobiphenyl	80.5		% Rec.	8082 A	06/26/14	1
Tetrachloro-m-xylene	90.3		% Rec.	8082 A	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 06/29/14 23:00 Revised: 07/01/14 14:27

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L706111-01	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-02	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-03	WG728445	SAMP	Nitrobenzene-d5	R2949929	J7
	WG728924	SAMP	Benzene	R2950749	U
	WG728924	SAMP	Tetrachloroethene	R2950749	J
	WG728454	SAMP	Selenium	R2950254	O
	WG728454	SAMP	Silver	R2950254	O
L706111-04	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-05	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-06	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-07	WG727917	SAMP	Chloroethane	R2949466	J4
	WG727917	SAMP	cis-1,3-Dichloropropene	R2949466	J4
L706111-08	WG729570	SAMP	1,3-Dichloropropane	R2953407	J4
	WG729570	SAMP	trans-1,3-Dichloropropene	R2953407	J4
	WG729570	SAMP	4-Methyl-2-pentanone (MIBK)	R2953407	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J4	The associated batch QC was outside the established quality control range for accuracy.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
U	BDL (EPA) - Below Detectable Limits: Indicates that the compound was analyzed but not detected.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/01/14 at 14:27:57

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L706111-01 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-02 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-03 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-04 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-05 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-06 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-07 Account: SME Received: 06/21/14 07:00 Due Date: 06/27/14 00:00 RPT Date: 06/29/14 23:00

Sample: L706111-08 Account: SME Received: 06/21/14 07:00 Due Date: 07/01/14 00:00 RPT Date: 06/29/14 23:00

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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG727902	06/23/14 09:15
TPH (GC/FID) Low Fraction	< .1	mg/l			WG727090	06/23/14 23:05
a,a,a-Trifluorotoluene(FID)		% Rec.	87.80	50-150	WG727090	06/23/14 23:05
Extractable Petroleum Hydrocarbon	< .1	mg/l			WG727771	06/23/14 17:44
o-Terphenyl		% Rec.	88.30	50-150	WG727771	06/23/14 17:44
Extractable Petroleum Hydrocarbon	< .1	mg/l			WG728409	06/25/14 11:09
o-Terphenyl		% Rec.	84.40	50-150	WG728409	06/25/14 11:09
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,1-Trichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2-Trichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
1,1-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,2,3-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,4-Trichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2,4-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG727917	06/24/14 19:31
1,2-Dibromoethane	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichloroethane	< .001	mg/l			WG727917	06/24/14 19:31
1,2-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,3,5-Trimethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,3-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
1,3-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
1,4-Dichlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
2,2-Dichloropropane	< .001	mg/l			WG727917	06/24/14 19:31
2-Butanone (MEK)	< .01	mg/l			WG727917	06/24/14 19:31
2-Chloroethyl vinyl ether	< .05	mg/l			WG727917	06/24/14 19:31
2-Chlorotoluene	< .001	mg/l			WG727917	06/24/14 19:31
4-Chlorotoluene	< .001	mg/l			WG727917	06/24/14 19:31
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG727917	06/24/14 19:31
Acetone	< .05	mg/l			WG727917	06/24/14 19:31
Acrolein	< .025	mg/l			WG727917	06/24/14 19:31
Acrylonitrile	< .01	mg/l			WG727917	06/24/14 19:31
Benzene	< .001	mg/l			WG727917	06/24/14 19:31
Bromobenzene	< .001	mg/l			WG727917	06/24/14 19:31
Bromodichloromethane	< .001	mg/l			WG727917	06/24/14 19:31
Bromoform	< .001	mg/l			WG727917	06/24/14 19:31
Bromomethane	< .005	mg/l			WG727917	06/24/14 19:31
Carbon tetrachloride	< .001	mg/l			WG727917	06/24/14 19:31
Chlorobenzene	< .001	mg/l			WG727917	06/24/14 19:31
Chlorodibromomethane	< .001	mg/l			WG727917	06/24/14 19:31
Chloroethane	< .005	mg/l			WG727917	06/24/14 19:31
Chloroform	< .005	mg/l			WG727917	06/24/14 19:31
Chloromethane	< .0025	mg/l			WG727917	06/24/14 19:31
cis-1,2-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
cis-1,3-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31

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Quality Assurance Report
Level II

L706111

July 01, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-isopropyl ether	< .001	mg/l			WG727917	06/24/14 19:31
Dibromomethane	< .001	mg/l			WG727917	06/24/14 19:31
Dichlorodifluoromethane	< .005	mg/l			WG727917	06/24/14 19:31
Ethylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Hexachloro-1,3-butadiene	< .001	mg/l			WG727917	06/24/14 19:31
Isopropylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Methyl tert-butyl ether	< .001	mg/l			WG727917	06/24/14 19:31
Methylene Chloride	< .005	mg/l			WG727917	06/24/14 19:31
n-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
n-Propylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Naphthalene	< .005	mg/l			WG727917	06/24/14 19:31
p-Isopropyltoluene	< .001	mg/l			WG727917	06/24/14 19:31
sec-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Styrene	< .001	mg/l			WG727917	06/24/14 19:31
tert-Butylbenzene	< .001	mg/l			WG727917	06/24/14 19:31
Tetrachloroethene	< .001	mg/l			WG727917	06/24/14 19:31
Toluene	< .005	mg/l			WG727917	06/24/14 19:31
trans-1,2-Dichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
trans-1,3-Dichloropropene	< .001	mg/l			WG727917	06/24/14 19:31
Trichloroethene	< .001	mg/l			WG727917	06/24/14 19:31
Trichlorofluoromethane	< .005	mg/l			WG727917	06/24/14 19:31
Vinyl chloride	< .001	mg/l			WG727917	06/24/14 19:31
Xylenes, Total	< .003	mg/l			WG727917	06/24/14 19:31
4-Bromofluorobenzene		% Rec.	94.90	71-126	WG727917	06/24/14 19:31
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG727917	06/24/14 19:31
Toluene-d8		% Rec.	100.0	88.5-111	WG727917	06/24/14 19:31
Acenaphthene	< .00005	mg/l			WG728445	06/25/14 23:21
Acenaphthylene	< .00005	mg/l			WG728445	06/25/14 23:21
Anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(a)anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(a)pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(b)fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(g,h,i)perylene	< .00005	mg/l			WG728445	06/25/14 23:21
Benzo(k)fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Chrysene	< .00005	mg/l			WG728445	06/25/14 23:21
Dibenz(a,h)anthracene	< .00005	mg/l			WG728445	06/25/14 23:21
Fluoranthene	< .00005	mg/l			WG728445	06/25/14 23:21
Fluorene	< .00005	mg/l			WG728445	06/25/14 23:21
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
Naphthalene	< .00025	mg/l			WG728445	06/25/14 23:21
Phenanthrene	< .00005	mg/l			WG728445	06/25/14 23:21
Pyrene	< .00005	mg/l			WG728445	06/25/14 23:21
2-Fluorobiphenyl		% Rec.	102.0	57.7-153	WG728445	06/25/14 23:21
Nitrobenzene-d5		% Rec.	112.0	45.1-170	WG728445	06/25/14 23:21
p-Terphenyl-d14		% Rec.	93.10	53.2-156	WG728445	06/25/14 23:21
PCB 1016	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1221	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1232	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1242	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1248	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1254	< .0005	mg/l			WG728167	06/26/14 09:26
PCB 1260	< .0005	mg/l			WG728167	06/26/14 09:26
Decachlorobiphenyl		% Rec.	64.60	10-156	WG728167	06/26/14 09:26
Tetrachloro-m-xylene		% Rec.	69.40	13.9-137	WG728167	06/26/14 09:26

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Barium	< .005	mg/l			WG728454	06/26/14 14:09
Cadmium	< .005	mg/l			WG728454	06/26/14 14:09
Chromium	< .01	mg/l			WG728454	06/26/14 14:09
Lead	< .005	mg/l			WG728454	06/26/14 14:09
Silver	< .01	mg/l			WG728454	06/26/14 14:09
Selenium	< .02	mg/l			WG728454	06/26/14 15:01
TPH (GC/FID) Low Fraction	< .1	mg/l			WG728273	06/26/14 17:55
a,a,a-Trifluorotoluene(FID)		% Rec.	101.0	50-150	WG728273	06/26/14 17:55
cis-1,2-Dichloroethene	< .001	mg/l			WG728871	06/26/14 20:04
Tetrachloroethene	< .001	mg/l			WG728871	06/26/14 20:04
Trichloroethene	< .001	mg/l			WG728871	06/26/14 20:04
4-Bromofluorobenzene		% Rec.	95.80	71-126	WG728871	06/26/14 20:04
Dibromofluoromethane		% Rec.	99.80	78.3-121	WG728871	06/26/14 20:04
Toluene-d8		% Rec.	105.0	88.5-111	WG728871	06/26/14 20:04
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,1-Trichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2-Trichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
1,1-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,2,3-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,4-Trichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2,4-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG728924	06/27/14 00:01
1,2-Dibromoethane	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichloroethane	< .001	mg/l			WG728924	06/27/14 00:01
1,2-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,3,5-Trimethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,3-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
1,3-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
1,4-Dichlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01
2,2-Dichloropropane	< .001	mg/l			WG728924	06/27/14 00:01
2-Butanone (MEK)	< .01	mg/l			WG728924	06/27/14 00:01
2-Chloroethyl vinyl ether	< .05	mg/l			WG728924	06/27/14 00:01
2-Chlorotoluene	< .001	mg/l			WG728924	06/27/14 00:01
4-Chlorotoluene	< .001	mg/l			WG728924	06/27/14 00:01
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG728924	06/27/14 00:01
Acetone	< .05	mg/l			WG728924	06/27/14 00:01
Acrolein	< .025	mg/l			WG728924	06/27/14 00:01
Acrylonitrile	< .01	mg/l			WG728924	06/27/14 00:01
Benzene	< .001	mg/l			WG728924	06/27/14 00:01
Bromobenzene	< .001	mg/l			WG728924	06/27/14 00:01
Bromodichloromethane	< .001	mg/l			WG728924	06/27/14 00:01
Bromoform	< .001	mg/l			WG728924	06/27/14 00:01
Bromomethane	< .005	mg/l			WG728924	06/27/14 00:01
Carbon tetrachloride	< .001	mg/l			WG728924	06/27/14 00:01
Chlorobenzene	< .001	mg/l			WG728924	06/27/14 00:01

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Quality Assurance Report
Level II

L706111

July 01, 2014

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chlorodibromomethane	< .001	mg/l			WG728924	06/27/14 00:01
Chloroethane	< .005	mg/l			WG728924	06/27/14 00:01
Chloroform	< .005	mg/l			WG728924	06/27/14 00:01
Chloromethane	< .0025	mg/l			WG728924	06/27/14 00:01
cis-1,2-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
cis-1,3-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
Di-isopropyl ether	< .001	mg/l			WG728924	06/27/14 00:01
Dibromomethane	< .001	mg/l			WG728924	06/27/14 00:01
Dichlorodifluoromethane	< .005	mg/l			WG728924	06/27/14 00:01
Ethylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Hexachloro-1,3-butadiene	< .001	mg/l			WG728924	06/27/14 00:01
Isopropylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Methyl tert-butyl ether	< .001	mg/l			WG728924	06/27/14 00:01
Methylene Chloride	< .005	mg/l			WG728924	06/27/14 00:01
n-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
n-Propylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Naphthalene	< .005	mg/l			WG728924	06/27/14 00:01
p-Isopropyltoluene	< .001	mg/l			WG728924	06/27/14 00:01
sec-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Styrene	< .001	mg/l			WG728924	06/27/14 00:01
tert-Butylbenzene	< .001	mg/l			WG728924	06/27/14 00:01
Tetrachloroethene	< .001	mg/l			WG728924	06/27/14 00:01
Toluene	< .005	mg/l			WG728924	06/27/14 00:01
trans-1,2-Dichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
trans-1,3-Dichloropropene	< .001	mg/l			WG728924	06/27/14 00:01
Trichloroethene	< .001	mg/l			WG728924	06/27/14 00:01
Trichlorofluoromethane	< .005	mg/l			WG728924	06/27/14 00:01
Vinyl chloride	< .001	mg/l			WG728924	06/27/14 00:01
Xylenes, Total	< .003	mg/l			WG728924	06/27/14 00:01
4-Bromofluorobenzene		% Rec.	100.0	71-126	WG728924	06/27/14 00:01
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG728924	06/27/14 00:01
Toluene-d8		% Rec.	101.0	88.5-111	WG728924	06/27/14 00:01
Acenaphthene	< .00005	mg/l			WG728444	06/27/14 00:52
Acenaphthylene	< .00005	mg/l			WG728444	06/27/14 00:52
Anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(a)anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(a)pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(b)fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(g,h,i)perylene	< .00005	mg/l			WG728444	06/27/14 00:52
Benzo(k)fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Chrysene	< .00005	mg/l			WG728444	06/27/14 00:52
Dibenz(a,h)anthracene	< .00005	mg/l			WG728444	06/27/14 00:52
Fluoranthene	< .00005	mg/l			WG728444	06/27/14 00:52
Fluorene	< .00005	mg/l			WG728444	06/27/14 00:52
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
Naphthalene	< .00025	mg/l			WG728444	06/27/14 00:52
Phenanthrene	< .00005	mg/l			WG728444	06/27/14 00:52
Pyrene	< .00005	mg/l			WG728444	06/27/14 00:52
2-Fluorobiphenyl		% Rec.	96.40	57.7-153	WG728444	06/27/14 00:52
Nitrobenzene-d5		% Rec.	103.0	45.1-170	WG728444	06/27/14 00:52
p-Terphenyl-d14		% Rec.	92.30	53.2-156	WG728444	06/27/14 00:52
Arsenic	< .001	mg/l			WG728531	06/27/14 15:13
Acenaphthene	< .00005	mg/l			WG728625	06/27/14 14:08

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Acenaphthylene	< .00005	mg/l			WG728625	06/27/14 14:08
Anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(a)anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(a)pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(b)fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(g,h,i)perylene	< .00005	mg/l			WG728625	06/27/14 14:08
Benzo(k)fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Chrysene	< .00005	mg/l			WG728625	06/27/14 14:08
Dibenz(a,h)anthracene	< .00005	mg/l			WG728625	06/27/14 14:08
Fluoranthene	< .00005	mg/l			WG728625	06/27/14 14:08
Fluorene	< .00005	mg/l			WG728625	06/27/14 14:08
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
Naphthalene	< .00025	mg/l			WG728625	06/27/14 14:08
Phenanthrene	< .00005	mg/l			WG728625	06/27/14 14:08
Pyrene	< .00005	mg/l			WG728625	06/27/14 14:08
2-Fluorobiphenyl		% Rec.	117.0	57.7-153	WG728625	06/27/14 14:08
Nitrobenzene-d5		% Rec.	113.0	45.1-170	WG728625	06/27/14 14:08
p-Terphenyl-d14		% Rec.	118.0	53.2-156	WG728625	06/27/14 14:08
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,1-Trichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2-Trichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1,2-Trichlorotrifluoroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
1,1-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,2,3-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,4-Trichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2,4-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG729570	06/30/14 22:06
1,2-Dibromoethane	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichloroethane	< .001	mg/l			WG729570	06/30/14 22:06
1,2-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,3,5-Trimethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,3-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
1,3-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
1,4-Dichlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
2,2-Dichloropropane	< .001	mg/l			WG729570	06/30/14 22:06
2-Butanone (MEK)	< .01	mg/l			WG729570	06/30/14 22:06
2-Chloroethyl vinyl ether	< .05	mg/l			WG729570	06/30/14 22:06
2-Chlorotoluene	< .001	mg/l			WG729570	06/30/14 22:06
4-Chlorotoluene	< .001	mg/l			WG729570	06/30/14 22:06
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG729570	06/30/14 22:06
Acetone	< .05	mg/l			WG729570	06/30/14 22:06
Acrolein	< .025	mg/l			WG729570	06/30/14 22:06
Acrylonitrile	< .01	mg/l			WG729570	06/30/14 22:06
Benzene	< .001	mg/l			WG729570	06/30/14 22:06
Bromobenzene	< .001	mg/l			WG729570	06/30/14 22:06
Bromodichloromethane	< .001	mg/l			WG729570	06/30/14 22:06
Bromoform	< .001	mg/l			WG729570	06/30/14 22:06
Bromomethane	< .005	mg/l			WG729570	06/30/14 22:06
Carbon tetrachloride	< .001	mg/l			WG729570	06/30/14 22:06
Chlorobenzene	< .001	mg/l			WG729570	06/30/14 22:06
Chlorodibromomethane	< .001	mg/l			WG729570	06/30/14 22:06

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Quality Assurance Report
Level II

L706111

July 01, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloroethane	< .005	mg/l			WG729570	06/30/14 22:06
Chloroform	< .005	mg/l			WG729570	06/30/14 22:06
Chloromethane	< .0025	mg/l			WG729570	06/30/14 22:06
cis-1,2-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
cis-1,3-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
Di-isopropyl ether	< .001	mg/l			WG729570	06/30/14 22:06
Dibromomethane	< .001	mg/l			WG729570	06/30/14 22:06
Dichlorodifluoromethane	< .005	mg/l			WG729570	06/30/14 22:06
Ethylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Hexachloro-1,3-butadiene	< .001	mg/l			WG729570	06/30/14 22:06
Isopropylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Methyl tert-butyl ether	< .001	mg/l			WG729570	06/30/14 22:06
Methylene Chloride	< .005	mg/l			WG729570	06/30/14 22:06
n-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
n-Propylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Naphthalene	< .005	mg/l			WG729570	06/30/14 22:06
p-Isopropyltoluene	< .001	mg/l			WG729570	06/30/14 22:06
sec-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Styrene	< .001	mg/l			WG729570	06/30/14 22:06
tert-Butylbenzene	< .001	mg/l			WG729570	06/30/14 22:06
Tetrachloroethene	< .001	mg/l			WG729570	06/30/14 22:06
Toluene	< .005	mg/l			WG729570	06/30/14 22:06
trans-1,2-Dichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
trans-1,3-Dichloropropene	< .001	mg/l			WG729570	06/30/14 22:06
Trichloroethene	< .001	mg/l			WG729570	06/30/14 22:06
Trichlorofluoromethane	< .005	mg/l			WG729570	06/30/14 22:06
Vinyl chloride	< .001	mg/l			WG729570	06/30/14 22:06
Xylenes, Total	< .003	mg/l			WG729570	06/30/14 22:06
4-Bromofluorobenzene		% Rec.	95.70	71-126	WG729570	06/30/14 22:06
Dibromofluoromethane		% Rec.	95.50	78.3-121	WG729570	06/30/14 22:06
Toluene-d8		% Rec.	97.50	88.5-111	WG729570	06/30/14 22:06

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.0	0.0000486	14.0	20	L706097-03	WG727902

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00299	100.	85-115	WG727902
TPH (GC/FID) Low Fraction	mg/l	1	0.645	64.5	50-100	WG727090
a,a,a-Trifluorotoluene(FID)				98.20	50-150	WG727090
Extractable Petroleum Hydrocarbon	mg/l	1.5	1.38	92.2	50-100	WG727771
o-Terphenyl				93.20	50-150	WG727771
Extractable Petroleum Hydrocarbon	mg/l	1.5	1.27	84.4	50-100	WG728409
o-Terphenyl				87.60	50-150	WG728409
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0267	107.	74.2-124	WG727917
1,1,1-Trichloroethane	mg/l	.025	0.0260	104.	73.2-123	WG727917
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0257	103.	70.7-122	WG727917
1,1,2-Trichloroethane	mg/l	.025	0.0274	110.	77.7-118	WG727917

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Quality Assurance Report
Level II

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July 01, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0248	99.4	67.2-143	WG727917
1,1-Dichloroethane	mg/l	.025	0.0277	111.	70.7-126	WG727917
1,1-Dichloroethene	mg/l	.025	0.0263	105.	67.8-129	WG727917
1,1-Dichloropropene	mg/l	.025	0.0275	110.	73.1-125	WG727917
1,2,3-Trichlorobenzene	mg/l	.025	0.0270	108.	64.9-135	WG727917
1,2,3-Trichloropropane	mg/l	.025	0.0254	102.	71.8-121	WG727917
1,2,3-Trimethylbenzene	mg/l	.025	0.0285	114.	72.3-116	WG727917
1,2,4-Trichlorobenzene	mg/l	.025	0.0258	103.	69.7-136	WG727917
1,2,4-Trimethylbenzene	mg/l	.025	0.0259	104.	75-123	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0237	94.9	65.4-128	WG727917
1,2-Dibromoethane	mg/l	.025	0.0273	109.	76.6-121	WG727917
1,2-Dichlorobenzene	mg/l	.025	0.0272	109.	78.4-117	WG727917
1,2-Dichloroethane	mg/l	.025	0.0267	107.	68.8-124	WG727917
1,2-Dichloropropane	mg/l	.025	0.0289	116.	76.5-119	WG727917
1,3,5-Trimethylbenzene	mg/l	.025	0.0269	107.	75.6-124	WG727917
1,3-Dichlorobenzene	mg/l	.025	0.0255	102.	70.8-128	WG727917
1,3-Dichloropropane	mg/l	.025	0.0293	117.	77.4-117	WG727917
1,4-Dichlorobenzene	mg/l	.025	0.0275	110.	78.8-115	WG727917
2,2-Dichloropropane	mg/l	.025	0.0239	95.4	62.4-133	WG727917
2-Butanone (MEK)	mg/l	.125	0.128	103.	55-149	WG727917
2-Chloroethyl vinyl ether	mg/l	.125	0.148	119.	43.8-150	WG727917
2-Chlorotoluene	mg/l	.025	0.0275	110.	74.7-122	WG727917
4-Chlorotoluene	mg/l	.025	0.0269	108.	77.5-120	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.143	114.	70.5-133	WG727917
Acetone	mg/l	.125	0.107	85.5	35.6-163	WG727917
Acrolein	mg/l	.125	0.0669	53.5	10-190	WG727917
Acrylonitrile	mg/l	.125	0.137	110.	55.2-130	WG727917
Benzene	mg/l	.025	0.0279	112.	74.8-121	WG727917
Bromobenzene	mg/l	.025	0.0261	104.	77.5-116	WG727917
Bromodichloromethane	mg/l	.025	0.0269	107.	75.1-116	WG727917
Bromoform	mg/l	.025	0.0288	115.	67.5-130	WG727917
Bromomethane	mg/l	.025	0.0304	121.	49.9-162	WG727917
Carbon tetrachloride	mg/l	.025	0.0273	109.	70.2-123	WG727917
Chlorobenzene	mg/l	.025	0.0295	118.	78.1-119	WG727917
Chlorodibromomethane	mg/l	.025	0.0287	115.	74-121	WG727917
Chloroethane	mg/l	.025	0.0330	132.	61.7-135	WG727917
Chloroform	mg/l	.025	0.0254	102.	76-121	WG727917
Chloromethane	mg/l	.025	0.0309	124.	61.5-129	WG727917
cis-1,2-Dichloroethene	mg/l	.025	0.0260	104.	76-119	WG727917
cis-1,3-Dichloropropene	mg/l	.025	0.0298	119.	78.2-120	WG727917
Di-isopropyl ether	mg/l	.025	0.0308	123.	65.6-132	WG727917
Dibromomethane	mg/l	.025	0.0250	100.	79.5-118	WG727917
Dichlorodifluoromethane	mg/l	.025	0.0255	102.	54.8-135	WG727917
Ethylbenzene	mg/l	.025	0.0295	118.	78.8-122	WG727917
Hexachloro-1,3-butadiene	mg/l	.025	0.0255	102.	64.7-129	WG727917
Isopropylbenzene	mg/l	.025	0.0275	110.	78.6-132	WG727917
Methyl tert-butyl ether	mg/l	.025	0.0247	98.9	71.2-126	WG727917
Methylene Chloride	mg/l	.025	0.0244	97.5	70.3-120	WG727917
n-Butylbenzene	mg/l	.025	0.0277	111.	76.2-126	WG727917
n-Propylbenzene	mg/l	.025	0.0268	107.	78.2-122	WG727917
Naphthalene	mg/l	.025	0.0259	103.	68.4-128	WG727917
p-Isopropyltoluene	mg/l	.025	0.0275	110.	74-131	WG727917
sec-Butylbenzene	mg/l	.025	0.0277	111.	74.4-127	WG727917
Styrene	mg/l	.025	0.0291	116.	80.4-126	WG727917
tert-Butylbenzene	mg/l	.025	0.0284	113.	75.3-126	WG727917
Tetrachloroethene	mg/l	.025	0.0274	109.	72.6-126	WG727917
Toluene	mg/l	.025	0.0277	111.	79.7-116	WG727917
trans-1,2-Dichloroethene	mg/l	.025	0.0258	103.	72.6-121	WG727917
trans-1,3-Dichloropropene	mg/l	.025	0.0300	120.	74.3-123	WG727917

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/l	.025	0.0271	109.	77.7-118	WG727917
Trichlorofluoromethane	mg/l	.025	0.0276	111.	63.5-135	WG727917
Vinyl chloride	mg/l	.025	0.0291	117.	65.9-128	WG727917
Xylenes, Total	mg/l	.075	0.0864	115.	78.7-121	WG727917
4-Bromofluorobenzene				92.30	71-126	WG727917
Dibromofluoromethane				93.90	78.3-121	WG727917
Toluene-d8				103.0	88.5-111	WG727917
Acenaphthene	mg/l	.002	0.00210	105.	76.2-136	WG728445
Acenaphthylene	mg/l	.002	0.00209	105.	71.3-139	WG728445
Anthracene	mg/l	.002	0.00235	118.	77.3-144	WG728445
Benzo(a)anthracene	mg/l	.002	0.00209	104.	71.4-142	WG728445
Benzo(a)pyrene	mg/l	.002	0.00218	109.	70.8-140	WG728445
Benzo(b)fluoranthene	mg/l	.002	0.00196	98.0	68-142	WG728445
Benzo(g,h,i)perylene	mg/l	.002	0.00211	106.	62.8-146	WG728445
Benzo(k)fluoranthene	mg/l	.002	0.00231	116.	70.1-144	WG728445
Chrysene	mg/l	.002	0.00237	118.	73.6-143	WG728445
Dibenz(a,h)anthracene	mg/l	.002	0.00213	107.	56.1-147	WG728445
Fluoranthene	mg/l	.002	0.00223	111.	77.9-147	WG728445
Fluorene	mg/l	.002	0.00212	106.	75.3-136	WG728445
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00215	108.	61.6-147	WG728445
Naphthalene	mg/l	.002	0.00197	98.7	72.2-137	WG728445
Phenanthrene	mg/l	.002	0.00215	108.	76-133	WG728445
Pyrene	mg/l	.002	0.00205	103.	73-139	WG728445
2-Fluorobiphenyl				106.0	57.7-153	WG728445
Nitrobenzene-d5				109.0	45.1-170	WG728445
p-Terphenyl-d14				98.70	53.2-156	WG728445
PCB 1016	mg/l	.0005	0.000356	71.2	24.7-128	WG728167
PCB 1260	mg/l	.0005	0.000397	79.3	47.7-149	WG728167
Decachlorobiphenyl				96.70	10-156	WG728167
Tetrachloro-m-xylene				92.30	13.9-137	WG728167
Barium	mg/l	1	1.03	103.	80-120	WG728454
Cadmium	mg/l	1	1.00	100.	80-120	WG728454
Chromium	mg/l	1	1.00	100.	80-120	WG728454
Lead	mg/l	1	1.06	106.	80-120	WG728454
Silver	mg/l	1	1.01	101.	80-120	WG728454
Selenium	mg/l	1	1.00	100.	80-120	WG728454
TPH (GC/FID) Low Fraction	mg/l	1	0.628	62.8	50-100	WG728273
a,a,a-Trifluorotoluene(FID)				90.70	50-150	WG728273
cis-1,2-Dichloroethene	mg/l	.025	0.0250	100.	76-119	WG728871
Tetrachloroethene	mg/l	.025	0.0288	115.	72.6-126	WG728871
Trichloroethene	mg/l	.025	0.0279	112.	77.7-118	WG728871
4-Bromofluorobenzene				90.80	71-126	WG728871
Dibromofluoromethane				97.50	78.3-121	WG728871
Toluene-d8				101.0	88.5-111	WG728871
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0252	101.	74.2-124	WG728924
1,1,1-Trichloroethane	mg/l	.025	0.0239	95.4	73.2-123	WG728924
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0252	101.	70.7-122	WG728924

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1,1,2-Trichloroethane	mg/l	.025	0.0243	97.0	77.7-118	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0277	111.	67.2-143	WG728924
1,1-Dichloroethane	mg/l	.025	0.0256	103.	70.7-126	WG728924
1,1-Dichloroethene	mg/l	.025	0.0262	105.	67.8-129	WG728924
1,1-Dichloropropene	mg/l	.025	0.0262	105.	73.1-125	WG728924
1,2,3-Trichlorobenzene	mg/l	.025	0.0244	97.6	64.9-135	WG728924
1,2,3-Trichloropropane	mg/l	.025	0.0242	96.8	71.8-121	WG728924
1,2,3-Trimethylbenzene	mg/l	.025	0.0253	101.	72.3-116	WG728924
1,2,4-Trichlorobenzene	mg/l	.025	0.0249	99.5	69.7-136	WG728924
1,2,4-Trimethylbenzene	mg/l	.025	0.0256	102.	75-123	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0234	93.6	65.4-128	WG728924
1,2-Dibromoethane	mg/l	.025	0.0244	97.8	76.6-121	WG728924
1,2-Dichlorobenzene	mg/l	.025	0.0252	101.	78.4-117	WG728924
1,2-Dichloroethane	mg/l	.025	0.0229	91.5	68.8-124	WG728924
1,2-Dichloropropane	mg/l	.025	0.0262	105.	76.5-119	WG728924
1,3,5-Trimethylbenzene	mg/l	.025	0.0264	106.	75.6-124	WG728924
1,3-Dichlorobenzene	mg/l	.025	0.0247	98.9	70.8-128	WG728924
1,3-Dichloropropane	mg/l	.025	0.0245	97.9	77.4-117	WG728924
1,4-Dichlorobenzene	mg/l	.025	0.0246	98.3	78.8-115	WG728924
2,2-Dichloropropane	mg/l	.025	0.0235	93.9	62.4-133	WG728924
2-Butanone (MEK)	mg/l	.125	0.106	85.1	55-149	WG728924
2-Chloroethyl vinyl ether	mg/l	.125	0.106	84.5	43.8-150	WG728924
2-Chlorotoluene	mg/l	.025	0.0260	104.	74.7-122	WG728924
4-Chlorotoluene	mg/l	.025	0.0254	102.	77.5-120	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.120	95.9	70.5-133	WG728924
Acetone	mg/l	.125	0.101	80.9	35.6-163	WG728924
Acrolein	mg/l	.125	0.143	115.	10-190	WG728924
Acrylonitrile	mg/l	.125	0.123	98.2	55.2-130	WG728924
Benzene	mg/l	.025	0.0259	104.	74.8-121	WG728924
Bromobenzene	mg/l	.025	0.0242	97.0	77.5-116	WG728924
Bromodichloromethane	mg/l	.025	0.0240	96.1	75.1-116	WG728924
Bromoform	mg/l	.025	0.0240	96.1	67.5-130	WG728924
Bromomethane	mg/l	.025	0.0212	84.8	49.9-162	WG728924
Carbon tetrachloride	mg/l	.025	0.0232	92.6	70.2-123	WG728924
Chlorobenzene	mg/l	.025	0.0257	103.	78.1-119	WG728924
Chlorodibromomethane	mg/l	.025	0.0242	96.7	74-121	WG728924
Chloroethane	mg/l	.025	0.0235	94.0	61.7-135	WG728924
Chloroform	mg/l	.025	0.0241	96.2	76-121	WG728924
Chloromethane	mg/l	.025	0.0227	90.7	61.5-129	WG728924
cis-1,2-Dichloroethene	mg/l	.025	0.0265	106.	76-119	WG728924
cis-1,3-Dichloropropene	mg/l	.025	0.0262	105.	78.2-120	WG728924
Di-isopropyl ether	mg/l	.025	0.0247	98.7	65.6-132	WG728924
Dibromomethane	mg/l	.025	0.0248	99.1	79.5-118	WG728924
Dichlorodifluoromethane	mg/l	.025	0.0235	94.0	54.8-135	WG728924
Ethylbenzene	mg/l	.025	0.0253	101.	78.8-122	WG728924
Hexachloro-1,3-butadiene	mg/l	.025	0.0237	94.9	64.7-129	WG728924
Isopropylbenzene	mg/l	.025	0.0263	105.	78.6-132	WG728924
Methyl tert-butyl ether	mg/l	.025	0.0259	104.	71.2-126	WG728924
Methylene Chloride	mg/l	.025	0.0257	103.	70.3-120	WG728924
n-Butylbenzene	mg/l	.025	0.0264	106.	76.2-126	WG728924
n-Propylbenzene	mg/l	.025	0.0255	102.	78.2-122	WG728924
Naphthalene	mg/l	.025	0.0245	97.9	68.4-128	WG728924
p-Isopropyltoluene	mg/l	.025	0.0263	105.	74-131	WG728924
sec-Butylbenzene	mg/l	.025	0.0262	105.	74.4-127	WG728924
Styrene	mg/l	.025	0.0261	104.	80.4-126	WG728924
tert-Butylbenzene	mg/l	.025	0.0261	105.	75.3-126	WG728924
Tetrachloroethene	mg/l	.025	0.0239	95.7	72.6-126	WG728924
Toluene	mg/l	.025	0.0253	101.	79.7-116	WG728924
trans-1,2-Dichloroethene	mg/l	.025	0.0267	107.	72.6-121	WG728924

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
trans-1,3-Dichloropropene	mg/l	.025	0.0249	99.6	74.3-123	WG728924
Trichloroethene	mg/l	.025	0.0250	100.	77.7-118	WG728924
Trichlorofluoromethane	mg/l	.025	0.0218	87.3	63.5-135	WG728924
Vinyl chloride	mg/l	.025	0.0234	93.7	65.9-128	WG728924
Xylenes, Total	mg/l	.075	0.0749	99.9	78.7-121	WG728924
4-Bromofluorobenzene				100.0	71-126	WG728924
Dibromofluoromethane				99.30	78.3-121	WG728924
Toluene-d8				103.0	88.5-111	WG728924
Acenaphthene	mg/l	.002	0.00197	98.6	76.2-136	WG728444
Acenaphthylene	mg/l	.002	0.00199	99.5	71.3-139	WG728444
Anthracene	mg/l	.002	0.00219	109.	77.3-144	WG728444
Benzo(a)anthracene	mg/l	.002	0.00188	94.0	71.4-142	WG728444
Benzo(a)pyrene	mg/l	.002	0.00195	97.6	70.8-140	WG728444
Benzo(b)fluoranthene	mg/l	.002	0.00181	90.5	68-142	WG728444
Benzo(g,h,i)perylene	mg/l	.002	0.00194	97.2	62.8-146	WG728444
Benzo(k)fluoranthene	mg/l	.002	0.00207	103.	70.1-144	WG728444
Chrysene	mg/l	.002	0.00221	111.	73.6-143	WG728444
Dibenz(a,h)anthracene	mg/l	.002	0.00174	87.0	56.1-147	WG728444
Fluoranthene	mg/l	.002	0.00203	102.	77.9-147	WG728444
Fluorene	mg/l	.002	0.00198	99.2	75.3-136	WG728444
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00186	92.8	61.6-147	WG728444
Naphthalene	mg/l	.002	0.00190	94.8	72.2-137	WG728444
Phenanthrene	mg/l	.002	0.00192	96.1	76-133	WG728444
Pyrene	mg/l	.002	0.00196	98.1	73-139	WG728444
2-Fluorobiphenyl				99.90	57.7-153	WG728444
Nitrobenzene-d5				104.0	45.1-170	WG728444
p-Terphenyl-d14				91.10	53.2-156	WG728444
Arsenic	mg/l	.05	0.0550	110.	85-115	WG728531
Acenaphthene	mg/l	.002	0.00219	110.	76.2-136	WG728625
Acenaphthylene	mg/l	.002	0.00224	112.	71.3-139	WG728625
Anthracene	mg/l	.002	0.00249	124.	77.3-144	WG728625
Benzo(a)anthracene	mg/l	.002	0.00221	110.	71.4-142	WG728625
Benzo(a)pyrene	mg/l	.002	0.00233	117.	70.8-140	WG728625
Benzo(b)fluoranthene	mg/l	.002	0.00202	101.	68-142	WG728625
Benzo(g,h,i)perylene	mg/l	.002	0.00226	113.	62.8-146	WG728625
Benzo(k)fluoranthene	mg/l	.002	0.00252	126.	70.1-144	WG728625
Chrysene	mg/l	.002	0.00251	126.	73.6-143	WG728625
Dibenz(a,h)anthracene	mg/l	.002	0.00229	114.	56.1-147	WG728625
Fluoranthene	mg/l	.002	0.00243	122.	77.9-147	WG728625
Fluorene	mg/l	.002	0.00222	111.	75.3-136	WG728625
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00232	116.	61.6-147	WG728625
Naphthalene	mg/l	.002	0.00207	103.	72.2-137	WG728625
Phenanthrene	mg/l	.002	0.00221	111.	76-133	WG728625
Pyrene	mg/l	.002	0.00218	109.	73-139	WG728625
2-Fluorobiphenyl				113.0	57.7-153	WG728625
Nitrobenzene-d5				114.0	45.1-170	WG728625
p-Terphenyl-d14				108.0	53.2-156	WG728625
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0245	98.2	74.2-124	WG729570
1,1,1-Trichloroethane	mg/l	.025	0.0214	85.5	73.2-123	WG729570
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0253	101.	70.7-122	WG729570
1,1,2-Trichloroethane	mg/l	.025	0.0270	108.	77.7-118	WG729570

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichlorotrifluoroethane	mg/l	.025	0.0206	82.3	67.2-143	WG729570
1,1-Dichloroethane	mg/l	.025	0.0235	93.9	70.7-126	WG729570
1,1-Dichloroethene	mg/l	.025	0.0219	87.8	67.8-129	WG729570
1,1-Dichloropropene	mg/l	.025	0.0229	91.5	73.1-125	WG729570
1,2,3-Trichlorobenzene	mg/l	.025	0.0284	114.	64.9-135	WG729570
1,2,3-Trichloropropane	mg/l	.025	0.0255	102.	71.8-121	WG729570
1,2,3-Trimethylbenzene	mg/l	.025	0.0244	97.5	72.3-116	WG729570
1,2,4-Trichlorobenzene	mg/l	.025	0.0263	105.	69.7-136	WG729570
1,2,4-Trimethylbenzene	mg/l	.025	0.0231	92.3	75-123	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0270	108.	65.4-128	WG729570
1,2-Dibromoethane	mg/l	.025	0.0272	109.	76.6-121	WG729570
1,2-Dichlorobenzene	mg/l	.025	0.0256	102.	78.4-117	WG729570
1,2-Dichloroethane	mg/l	.025	0.0227	90.8	68.8-124	WG729570
1,2-Dichloropropane	mg/l	.025	0.0267	107.	76.5-119	WG729570
1,3,5-Trimethylbenzene	mg/l	.025	0.0235	94.0	75.6-124	WG729570
1,3-Dichlorobenzene	mg/l	.025	0.0243	97.3	70.8-128	WG729570
1,3-Dichloropropane	mg/l	.025	0.0286	115.	77.4-117	WG729570
1,4-Dichlorobenzene	mg/l	.025	0.0253	101.	78.8-115	WG729570
2,2-Dichloropropane	mg/l	.025	0.0168	67.4	62.4-133	WG729570
2-Butanone (MEK)	mg/l	.125	0.132	105.	55-149	WG729570
2-Chloroethyl vinyl ether	mg/l	.125	0.153	122.	43.8-150	WG729570
2-Chlorotoluene	mg/l	.025	0.0244	97.5	74.7-122	WG729570
4-Chlorotoluene	mg/l	.025	0.0242	96.7	77.5-120	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.152	122.	70.5-133	WG729570
Acetone	mg/l	.125	0.105	84.2	35.6-163	WG729570
Acrolein	mg/l	.125	0.0691	55.3	10-190	WG729570
Acrylonitrile	mg/l	.125	0.139	112.	55.2-130	WG729570
Benzene	mg/l	.025	0.0238	95.1	74.8-121	WG729570
Bromobenzene	mg/l	.025	0.0237	94.7	77.5-116	WG729570
Bromodichloromethane	mg/l	.025	0.0239	95.7	75.1-116	WG729570
Bromoform	mg/l	.025	0.0299	119.	67.5-130	WG729570
Bromomethane	mg/l	.025	0.0187	74.9	49.9-162	WG729570
Carbon tetrachloride	mg/l	.025	0.0223	89.3	70.2-123	WG729570
Chlorobenzene	mg/l	.025	0.0271	108.	78.1-119	WG729570
Chlorodibromomethane	mg/l	.025	0.0280	112.	74-121	WG729570
Chloroethane	mg/l	.025	0.0208	83.2	61.7-135	WG729570
Chloroform	mg/l	.025	0.0216	86.3	76-121	WG729570
Chloromethane	mg/l	.025	0.0267	107.	61.5-129	WG729570
cis-1,2-Dichloroethene	mg/l	.025	0.0222	88.8	76-119	WG729570
cis-1,3-Dichloropropene	mg/l	.025	0.0284	113.	78.2-120	WG729570
Di-isopropyl ether	mg/l	.025	0.0271	108.	65.6-132	WG729570
Dibromomethane	mg/l	.025	0.0241	96.5	79.5-118	WG729570
Dichlorodifluoromethane	mg/l	.025	0.0184	73.8	54.8-135	WG729570
Ethylbenzene	mg/l	.025	0.0258	103.	78.8-122	WG729570
Hexachloro-1,3-butadiene	mg/l	.025	0.0253	101.	64.7-129	WG729570
Isopropylbenzene	mg/l	.025	0.0241	96.4	78.6-132	WG729570
Methyl tert-butyl ether	mg/l	.025	0.0226	90.3	71.2-126	WG729570
Methylene Chloride	mg/l	.025	0.0212	84.7	70.3-120	WG729570
n-Butylbenzene	mg/l	.025	0.0242	96.9	76.2-126	WG729570
n-Propylbenzene	mg/l	.025	0.0236	94.4	78.2-122	WG729570
Naphthalene	mg/l	.025	0.0259	104.	68.4-128	WG729570
p-Isopropyltoluene	mg/l	.025	0.0240	96.1	74-131	WG729570
sec-Butylbenzene	mg/l	.025	0.0241	96.4	74.4-127	WG729570
Styrene	mg/l	.025	0.0266	106.	80.4-126	WG729570
tert-Butylbenzene	mg/l	.025	0.0255	102.	75.3-126	WG729570
Tetrachloroethene	mg/l	.025	0.0258	103.	72.6-126	WG729570
Toluene	mg/l	.025	0.0246	98.4	79.7-116	WG729570
trans-1,2-Dichloroethene	mg/l	.025	0.0219	87.5	72.6-121	WG729570
trans-1,3-Dichloropropene	mg/l	.025	0.0298	119.	74.3-123	WG729570

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Quality Assurance Report
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L706111

July 01, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/l	.025	0.0244	97.8	77.7-118	WG729570
Trichlorofluoromethane	mg/l	.025	0.0237	94.7	63.5-135	WG729570
Vinyl chloride	mg/l	.025	0.0194	77.7	65.9-128	WG729570
Xylenes, Total	mg/l	.075	0.0762	102.	78.7-121	WG729570
4-Bromofluorobenzene				95.10	71-126	WG729570
Dibromofluoromethane				88.30	78.3-121	WG729570
Toluene-d8				102.0	88.5-111	WG729570

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/l	0.623	0.645	62.0	50-100	3.44	20	WG727090
a,a,a-Trifluorotoluene(FID)				120.0	50-150			WG727090
Extractable Petroleum Hydrocarbon	mg/l	1.22	1.38	81.0	50-100	12.7	20	WG727771
o-Terphenyl				85.50	50-150			WG727771
Extractable Petroleum Hydrocarbon	mg/l	1.32	1.27	88.0	50-100	4.12	20	WG728409
o-Terphenyl				89.70	50-150			WG728409
1,1,1,2-Tetrachloroethane	mg/l	0.0264	0.0267	106.	74.2-124	1.06	20	WG727917
1,1,1-Trichloroethane	mg/l	0.0274	0.0260	110.	73.2-123	5.17	20	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0264	0.0257	106.	70.7-122	2.76	20	WG727917
1,1,2-Trichloroethane	mg/l	0.0269	0.0274	108.	77.7-118	1.81	20	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0250	0.0248	100.	67.2-143	0.710	20	WG727917
1,1-Dichloroethane	mg/l	0.0285	0.0277	114.	70.7-126	2.99	20	WG727917
1,1-Dichloroethene	mg/l	0.0265	0.0263	106.	67.8-129	0.680	20	WG727917
1,1-Dichloropropene	mg/l	0.0280	0.0275	112.	73.1-125	1.83	20	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0270	0.0270	108.	64.9-135	0.130	20	WG727917
1,2,3-Trichloropropane	mg/l	0.0273	0.0254	109.	71.8-121	7.21	20	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0281	0.0285	112.	72.3-116	1.37	20	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0248	0.0258	99.0	69.7-136	3.99	20	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0245	0.0259	98.0	75-123	5.44	20	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0262	0.0237	105.	65.4-128	9.80	20	WG727917
1,2-Dibromoethane	mg/l	0.0275	0.0273	110.	76.6-121	0.790	20	WG727917
1,2-Dichlorobenzene	mg/l	0.0266	0.0272	106.	78.4-117	2.14	20	WG727917
1,2-Dichloroethane	mg/l	0.0282	0.0267	113.	68.8-124	5.47	20	WG727917
1,2-Dichloropropane	mg/l	0.0296	0.0289	118.	76.5-119	2.30	20	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0259	0.0269	104.	75.6-124	3.49	20	WG727917
1,3-Dichlorobenzene	mg/l	0.0243	0.0255	97.0	70.8-128	4.86	20	WG727917
1,3-Dichloropropane	mg/l	0.0293	0.0293	117.	77.4-117	0.160	20	WG727917
1,4-Dichlorobenzene	mg/l	0.0269	0.0275	107.	78.8-115	2.41	20	WG727917
2,2-Dichloropropane	mg/l	0.0263	0.0239	105.	62.4-133	9.75	20	WG727917
2-Butanone (MEK)	mg/l	0.144	0.128	115.	55-149	11.7	20	WG727917
2-Chloroethyl vinyl ether	mg/l	0.154	0.148	123.	43.8-150	3.49	20	WG727917
2-Chlorotoluene	mg/l	0.0257	0.0275	103.	74.7-122	6.69	20	WG727917
4-Chlorotoluene	mg/l	0.0254	0.0269	101.	77.5-120	5.98	20	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.157	0.143	126.	70.5-133	9.77	20	WG727917
Acetone	mg/l	0.115	0.107	92.0	35.6-163	7.69	23.9	WG727917
Acrolein	mg/l	0.0762	0.0669	61.0	10-190	13.0	28.1	WG727917
Acrylonitrile	mg/l	0.152	0.137	121.	55.2-130	9.89	20	WG727917
Benzene	mg/l	0.0284	0.0279	114.	74.8-121	1.77	20	WG727917
Bromobenzene	mg/l	0.0253	0.0261	101.	77.5-116	2.87	20	WG727917
Bromodichloromethane	mg/l	0.0275	0.0269	110.	75.1-116	2.23	20	WG727917
Bromoform	mg/l	0.0295	0.0288	118.	67.5-130	2.38	20	WG727917
Bromomethane	mg/l	0.0309	0.0304	124.	49.9-162	1.79	20	WG727917

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Carbon tetrachloride	mg/l	0.0279	0.0273	112.	70.2-123	2.16	20	WG727917
Chlorobenzene	mg/l	0.0287	0.0295	115.	78.1-119	2.92	20	WG727917
Chlorodibromomethane	mg/l	0.0289	0.0287	115.	74-121	0.470	20	WG727917
Chloroethane	mg/l	0.0356	0.0330	142*	61.7-135	7.56	20	WG727917
Chloroform	mg/l	0.0262	0.0254	105.	76-121	3.01	20	WG727917
Chloromethane	mg/l	0.0316	0.0309	126.	61.5-129	2.28	20	WG727917
cis-1,2-Dichloroethene	mg/l	0.0268	0.0260	107.	76-119	3.16	20	WG727917
cis-1,3-Dichloropropene	mg/l	0.0302	0.0298	121*	78.2-120	1.46	20	WG727917
Di-isopropyl ether	mg/l	0.0319	0.0308	128.	65.6-132	3.62	20	WG727917
Dibromomethane	mg/l	0.0265	0.0250	106.	79.5-118	5.46	20	WG727917
Dichlorodifluoromethane	mg/l	0.0259	0.0255	104.	54.8-135	1.71	20	WG727917
Ethylbenzene	mg/l	0.0284	0.0295	114.	78.8-122	3.66	20	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0249	0.0255	100.	64.7-129	2.12	20	WG727917
Isopropylbenzene	mg/l	0.0264	0.0275	106.	78.6-132	3.88	20	WG727917
Methyl tert-butyl ether	mg/l	0.0264	0.0247	106.	71.2-126	6.54	20	WG727917
Methylene Chloride	mg/l	0.0253	0.0244	101.	70.3-120	3.76	20	WG727917
n-Butylbenzene	mg/l	0.0261	0.0277	104.	76.2-126	5.70	20	WG727917
n-Propylbenzene	mg/l	0.0257	0.0268	103.	78.2-122	4.42	20	WG727917
Naphthalene	mg/l	0.0269	0.0259	108.	68.4-128	3.87	20	WG727917
p-Isopropyltoluene	mg/l	0.0260	0.0275	104.	74-131	5.43	20	WG727917
sec-Butylbenzene	mg/l	0.0265	0.0277	106.	74.4-127	4.49	20	WG727917
Styrene	mg/l	0.0282	0.0291	113.	80.4-126	3.07	20	WG727917
tert-Butylbenzene	mg/l	0.0273	0.0284	109.	75.3-126	3.65	20	WG727917
Tetrachloroethene	mg/l	0.0267	0.0274	107.	72.6-126	2.35	20	WG727917
Toluene	mg/l	0.0273	0.0277	109.	79.7-116	1.31	20	WG727917
trans-1,2-Dichloroethene	mg/l	0.0262	0.0258	105.	72.6-121	1.44	20	WG727917
trans-1,3-Dichloropropene	mg/l	0.0305	0.0300	122.	74.3-123	1.91	20	WG727917
Trichloroethene	mg/l	0.0273	0.0271	109.	77.7-118	0.410	20	WG727917
Trichlorofluoromethane	mg/l	0.0288	0.0276	115.	63.5-135	4.26	20	WG727917
Vinyl chloride	mg/l	0.0300	0.0291	120.	65.9-128	2.84	20	WG727917
Xylenes, Total	mg/l	0.0820	0.0864	109.	78.7-121	5.24	20	WG727917
4-Bromofluorobenzene				91.90	71-126			WG727917
Dibromofluoromethane				96.30	78.3-121			WG727917
Toluene-d8				103.0	88.5-111			WG727917
Acenaphthene	mg/l	0.00204	0.00210	102.	76.2-136	2.50	20	WG728445
Acenaphthylene	mg/l	0.00203	0.00209	101.	71.3-139	3.23	20	WG728445
Anthracene	mg/l	0.00230	0.00235	115.	77.3-144	2.33	20	WG728445
Benzo(a)anthracene	mg/l	0.00199	0.00209	100.	71.4-142	4.63	20	WG728445
Benzo(a)pyrene	mg/l	0.00214	0.00218	107.	70.8-140	1.72	20	WG728445
Benzo(b)fluoranthene	mg/l	0.00190	0.00196	95.0	68-142	3.16	20	WG728445
Benzo(g,h,i)perylene	mg/l	0.00212	0.00211	106.	62.8-146	0.280	20	WG728445
Benzo(k)fluoranthene	mg/l	0.00237	0.00231	119.	70.1-144	2.57	20	WG728445
Chrysene	mg/l	0.00231	0.00237	115.	73.6-143	2.53	20	WG728445
Dibenz(a,h)anthracene	mg/l	0.00213	0.00213	106.	56.1-147	0.410	20	WG728445
Fluoranthene	mg/l	0.00216	0.00223	108.	77.9-147	3.14	20	WG728445
Fluorene	mg/l	0.00204	0.00212	102.	75.3-136	3.49	20	WG728445
Indeno(1,2,3-cd)pyrene	mg/l	0.00215	0.00215	107.	61.6-147	0.320	20	WG728445
Naphthalene	mg/l	0.00191	0.00197	95.0	72.2-137	3.46	20	WG728445
Phenanthrene	mg/l	0.00209	0.00215	104.	76-133	2.95	20	WG728445
Pyrene	mg/l	0.00197	0.00205	98.0	73-139	4.25	20	WG728445
2-Fluorobiphenyl				104.0	57.7-153			WG728445
Nitrobenzene-d5				104.0	45.1-170			WG728445
p-Terphenyl-d14				94.00	53.2-156			WG728445
PCB 1016	mg/l	0.000312	0.000356	62.0	24.7-128	13.1	34.9	WG728167
PCB 1260	mg/l	0.000463	0.000397	93.0	47.7-149	15.5	28.8	WG728167

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Sample Duplicate RPD	Limit	Batch
Decachlorobiphenyl				102.0	10-156			
Tetrachloro-m-xylene				100.0	13.9-137			
Barium	mg/l	1.03	1.03	103.	80-120	0.0	20	WG728454
Cadmium	mg/l	1.00	1.00	100.	80-120	0.0	20	WG728454
Chromium	mg/l	1.01	1.00	100.	80-120	0.0	20	WG728454
Lead	mg/l	1.05	1.06	105.	80-120	1.00	20	WG728454
Silver	mg/l	1.01	1.01	101.	80-120	0.0	20	WG728454
Selenium	mg/l	1.00	1.00	100.	80-120	0.0	20	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.596	0.628	60.0	50-100	5.24	20	WG728273
a,a,a-Trifluorotoluene(FID)				107.0	50-150			WG728273
cis-1,2-Dichloroethene	mg/l	0.0248	0.0250	99.0	76-119	0.710	20	WG728871
Tetrachloroethene	mg/l	0.0287	0.0288	115.	72.6-126	0.260	20	WG728871
Trichloroethene	mg/l	0.0273	0.0279	109.	77.7-118	2.35	20	WG728871
4-Bromofluorobenzene				92.70	71-126			WG728871
Dibromofluoromethane				97.90	78.3-121			WG728871
Toluene-d8				103.0	88.5-111			WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0249	0.0252	100.	74.2-124	1.12	20	WG728924
1,1,1-Trichloroethane	mg/l	0.0239	0.0239	96.0	73.2-123	0.250	20	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0249	0.0252	100.	70.7-122	1.20	20	WG728924
1,1,2-Trichloroethane	mg/l	0.0247	0.0243	99.0	77.7-118	1.76	20	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0277	0.0277	111.	67.2-143	0.0100	20	WG728924
1,1-Dichloroethane	mg/l	0.0259	0.0256	104.	70.7-126	1.12	20	WG728924
1,1-Dichloroethene	mg/l	0.0262	0.0262	105.	67.8-129	0.290	20	WG728924
1,1-Dichloropropene	mg/l	0.0262	0.0262	105.	73.1-125	0.130	20	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0239	0.0244	96.0	64.9-135	2.16	20	WG728924
1,2,3-Trichloropropane	mg/l	0.0237	0.0242	95.0	71.8-121	2.20	20	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0249	0.0253	100.	72.3-116	1.39	20	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0242	0.0249	97.0	69.7-136	2.89	20	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0254	0.0256	102.	75-123	0.630	20	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0225	0.0234	90.0	65.4-128	3.95	20	WG728924
1,2-Dibromoethane	mg/l	0.0251	0.0244	100.	76.6-121	2.46	20	WG728924
1,2-Dichlorobenzene	mg/l	0.0248	0.0252	99.0	78.4-117	1.51	20	WG728924
1,2-Dichloroethane	mg/l	0.0229	0.0229	92.0	68.8-124	0.300	20	WG728924
1,2-Dichloropropane	mg/l	0.0260	0.0262	104.	76.5-119	0.550	20	WG728924
1,3,5-Trimethylbenzene	mg/l	0.0265	0.0264	106.	75.6-124	0.340	20	WG728924
1,3-Dichlorobenzene	mg/l	0.0246	0.0247	98.0	70.8-128	0.500	20	WG728924
1,3-Dichloropropane	mg/l	0.0247	0.0245	99.0	77.4-117	0.900	20	WG728924
1,4-Dichlorobenzene	mg/l	0.0241	0.0246	96.0	78.8-115	1.97	20	WG728924
2,2-Dichloropropane	mg/l	0.0243	0.0235	97.0	62.4-133	3.27	20	WG728924
2-Butanone (MEK)	mg/l	0.108	0.106	86.0	55-149	1.35	20	WG728924
2-Chloroethyl vinyl ether	mg/l	0.104	0.106	83.0	43.8-150	1.27	20	WG728924
2-Chlorotoluene	mg/l	0.0255	0.0260	102.	74.7-122	1.65	20	WG728924
4-Chlorotoluene	mg/l	0.0259	0.0254	104.	77.5-120	1.88	20	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.119	0.120	95.0	70.5-133	1.10	20	WG728924
Acetone	mg/l	0.102	0.101	82.0	35.6-163	1.06	23.9	WG728924
Acrolein	mg/l	0.140	0.143	112.	10-190	2.60	28.1	WG728924
Acrylonitrile	mg/l	0.122	0.123	98.0	55.2-130	0.360	20	WG728924
Benzene	mg/l	0.0259	0.0259	104.	74.8-121	0.230	20	WG728924
Bromobenzene	mg/l	0.0246	0.0242	98.0	77.5-116	1.45	20	WG728924
Bromodichloromethane	mg/l	0.0244	0.0240	98.0	75.1-116	1.53	20	WG728924
Bromoform	mg/l	0.0240	0.0240	96.0	67.5-130	0.0600	20	WG728924
Bromomethane	mg/l	0.0207	0.0212	83.0	49.9-162	2.44	20	WG728924
Carbon tetrachloride	mg/l	0.0229	0.0232	92.0	70.2-123	0.980	20	WG728924

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chlorobenzene	mg/l	0.0259	0.0257	103.	78.1-119	0.600	20	WG728924
Chlorodibromomethane	mg/l	0.0238	0.0242	95.0	74-121	1.82	20	WG728924
Chloroethane	mg/l	0.0240	0.0235	96.0	61.7-135	2.19	20	WG728924
Chloroform	mg/l	0.0239	0.0241	96.0	76-121	0.420	20	WG728924
Chloromethane	mg/l	0.0226	0.0227	90.0	61.5-129	0.140	20	WG728924
cis-1,2-Dichloroethene	mg/l	0.0268	0.0265	107.	76-119	1.04	20	WG728924
cis-1,3-Dichloropropene	mg/l	0.0265	0.0262	106.	78.2-120	1.20	20	WG728924
Di-isopropyl ether	mg/l	0.0251	0.0247	100.	65.6-132	1.52	20	WG728924
Dibromomethane	mg/l	0.0246	0.0248	98.0	79.5-118	0.760	20	WG728924
Dichlorodifluoromethane	mg/l	0.0236	0.0235	94.0	54.8-135	0.540	20	WG728924
Ethylbenzene	mg/l	0.0254	0.0253	102.	78.8-122	0.420	20	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0232	0.0237	93.0	64.7-129	2.33	20	WG728924
Isopropylbenzene	mg/l	0.0263	0.0263	105.	78.6-132	0.310	20	WG728924
Methyl tert-butyl ether	mg/l	0.0259	0.0259	103.	71.2-126	0.280	20	WG728924
Methylene Chloride	mg/l	0.0259	0.0257	104.	70.3-120	0.700	20	WG728924
n-Butylbenzene	mg/l	0.0259	0.0264	104.	76.2-126	1.97	20	WG728924
n-Propylbenzene	mg/l	0.0254	0.0255	102.	78.2-122	0.430	20	WG728924
Naphthalene	mg/l	0.0243	0.0245	97.0	68.4-128	0.800	20	WG728924
p-Isopropyltoluene	mg/l	0.0261	0.0263	104.	74-131	0.860	20	WG728924
sec-Butylbenzene	mg/l	0.0260	0.0262	104.	74.4-127	0.640	20	WG728924
Styrene	mg/l	0.0263	0.0261	105.	80.4-126	0.790	20	WG728924
tert-Butylbenzene	mg/l	0.0261	0.0261	104.	75.3-126	0.0800	20	WG728924
Tetrachloroethene	mg/l	0.0238	0.0239	95.0	72.6-126	0.460	20	WG728924
Toluene	mg/l	0.0251	0.0253	100.	79.7-116	0.880	20	WG728924
trans-1,2-Dichloroethene	mg/l	0.0271	0.0267	108.	72.6-121	1.61	20	WG728924
trans-1,3-Dichloropropene	mg/l	0.0252	0.0249	101.	74.3-123	1.09	20	WG728924
Trichloroethene	mg/l	0.0250	0.0250	100.	77.7-118	0.0700	20	WG728924
Trichlorofluoromethane	mg/l	0.0215	0.0218	86.0	63.5-135	1.69	20	WG728924
Vinyl chloride	mg/l	0.0236	0.0234	94.0	65.9-128	0.830	20	WG728924
Xylenes, Total	mg/l	0.0751	0.0749	100.	78.7-121	0.310	20	WG728924
4-Bromofluorobenzene				101.0	71-126			WG728924
Dibromofluoromethane				98.90	78.3-121			WG728924
Toluene-d8				102.0	88.5-111			WG728924
Acenaphthene	mg/l	0.00212	0.00197	106.	76.2-136	7.26	20	WG728444
Acenaphthylene	mg/l	0.00214	0.00199	107.	71.3-139	7.47	20	WG728444
Anthracene	mg/l	0.00235	0.00219	117.	77.3-144	7.08	20	WG728444
Benzo(a)anthracene	mg/l	0.00199	0.00188	100.	71.4-142	5.79	20	WG728444
Benzo(a)pyrene	mg/l	0.00208	0.00195	104.	70.8-140	6.51	20	WG728444
Benzo(b)fluoranthene	mg/l	0.00199	0.00181	100.	68-142	9.58	20	WG728444
Benzo(g,h,i)perylene	mg/l	0.00211	0.00194	105.	62.8-146	8.05	20	WG728444
Benzo(k)fluoranthene	mg/l	0.00221	0.00207	110.	70.1-144	6.70	20	WG728444
Chrysene	mg/l	0.00231	0.00221	116.	73.6-143	4.32	20	WG728444
Dibenz(a,h)anthracene	mg/l	0.00187	0.00174	93.0	56.1-147	7.03	20	WG728444
Fluoranthene	mg/l	0.00217	0.00203	108.	77.9-147	6.30	20	WG728444
Fluorene	mg/l	0.00212	0.00198	106.	75.3-136	6.66	20	WG728444
Indeno(1,2,3-cd)pyrene	mg/l	0.00201	0.00186	100.	61.6-147	7.90	20	WG728444
Naphthalene	mg/l	0.00199	0.00190	100.	72.2-137	4.93	20	WG728444
Phenanthrene	mg/l	0.00205	0.00192	103.	76-133	6.52	20	WG728444
Pyrene	mg/l	0.00210	0.00196	105.	73-139	6.92	20	WG728444
2-Fluorobiphenyl				108.0	57.7-153			WG728444
Nitrobenzene-d5				111.0	45.1-170			WG728444
p-Terphenyl-d14				97.00	53.2-156			WG728444
Arsenic	mg/l	0.0547	0.0550	109.	85-115	1.00	20	WG728531

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Acenaphthene	mg/l	0.00227	0.00219	113.	76.2-136	3.29	20	WG728625
Acenaphthylene	mg/l	0.00231	0.00224	116.	71.3-139	3.21	20	WG728625
Anthracene	mg/l	0.00258	0.00249	129.	77.3-144	3.46	20	WG728625
Benzo(a)anthracene	mg/l	0.00226	0.00221	113.	71.4-142	2.42	20	WG728625
Benzo(a)pyrene	mg/l	0.00240	0.00233	120.	70.8-140	3.02	20	WG728625
Benzo(b)fluoranthene	mg/l	0.00205	0.00202	103.	68-142	1.77	20	WG728625
Benzo(g,h,i)perylene	mg/l	0.00235	0.00226	117.	62.8-146	3.64	20	WG728625
Benzo(k)fluoranthene	mg/l	0.00265	0.00252	132.	70.1-144	5.06	20	WG728625
Chrysene	mg/l	0.00259	0.00251	129.	73.6-143	2.86	20	WG728625
Dibenz(a,h)anthracene	mg/l	0.00235	0.00229	118.	56.1-147	2.78	20	WG728625
Fluoranthene	mg/l	0.00246	0.00243	123.	77.9-147	1.18	20	WG728625
Fluorene	mg/l	0.00230	0.00222	115.	75.3-136	3.55	20	WG728625
Indeno(1,2,3-cd)pyrene	mg/l	0.00239	0.00232	120.	61.6-147	2.98	20	WG728625
Naphthalene	mg/l	0.00214	0.00207	107.	72.2-137	3.72	20	WG728625
Phenanthrene	mg/l	0.00227	0.00221	114.	76-133	2.73	20	WG728625
Pyrene	mg/l	0.00221	0.00218	110.	73-139	1.06	20	WG728625
2-Fluorobiphenyl				113.0	57.7-153			WG728625
Nitrobenzene-d5				117.0	45.1-170			WG728625
p-Terphenyl-d14				107.0	53.2-156			WG728625
1,1,1,2-Tetrachloroethane	mg/l	0.0255	0.0245	102.	74.2-124	3.77	20	WG729570
1,1,1-Trichloroethane	mg/l	0.0223	0.0214	89.0	73.2-123	4.26	20	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0276	0.0253	110.	70.7-122	8.89	20	WG729570
1,1,2-Trichloroethane	mg/l	0.0281	0.0270	112.	77.7-118	3.75	20	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0214	0.0206	85.0	67.2-143	3.72	20	WG729570
1,1-Dichloroethane	mg/l	0.0249	0.0235	100.	70.7-126	5.93	20	WG729570
1,1-Dichloroethene	mg/l	0.0232	0.0219	93.0	67.8-129	5.44	20	WG729570
1,1-Dichloropropene	mg/l	0.0241	0.0229	96.0	73.1-125	5.24	20	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0305	0.0284	122.	64.9-135	7.08	20	WG729570
1,2,3-Trichloropropane	mg/l	0.0265	0.0255	106.	71.8-121	3.64	20	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0253	0.0244	101.	72.3-116	3.67	20	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0285	0.0263	114.	69.7-136	8.25	20	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0244	0.0231	97.0	75-123	5.42	20	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0294	0.0270	118.	65.4-128	8.78	20	WG729570
1,2-Dibromoethane	mg/l	0.0281	0.0272	112.	76.6-121	3.12	20	WG729570
1,2-Dichlorobenzene	mg/l	0.0269	0.0256	108.	78.4-117	5.00	20	WG729570
1,2-Dichloroethane	mg/l	0.0239	0.0227	96.0	68.8-124	5.17	20	WG729570
1,2-Dichloropropane	mg/l	0.0288	0.0267	115.	76.5-119	7.61	20	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0244	0.0235	98.0	75.6-124	4.00	20	WG729570
1,3-Dichlorobenzene	mg/l	0.0251	0.0243	100.	70.8-128	3.33	20	WG729570
1,3-Dichloropropane	mg/l	0.0300	0.0286	120*	77.4-117	4.71	20	WG729570
1,4-Dichlorobenzene	mg/l	0.0260	0.0253	104.	78.8-115	2.86	20	WG729570
2,2-Dichloropropane	mg/l	0.0182	0.0168	73.0	62.4-133	7.81	20	WG729570
2-Butanone (MEK)	mg/l	0.153	0.132	122.	55-149	14.6	20	WG729570
2-Chloroethyl vinyl ether	mg/l	0.165	0.153	132.	43.8-150	7.35	20	WG729570
2-Chlorotoluene	mg/l	0.0251	0.0244	100.	74.7-122	2.84	20	WG729570
4-Chlorotoluene	mg/l	0.0250	0.0242	100.	77.5-120	3.56	20	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.174	0.152	139*	70.5-133	13.2	20	WG729570
Acetone	mg/l	0.118	0.105	95.0	35.6-163	11.7	23.9	WG729570
Acrolein	mg/l	0.0687	0.0691	55.0	10-190	0.610	28.1	WG729570
Acrylonitrile	mg/l	0.158	0.139	126.	55.2-130	12.3	20	WG729570
Benzene	mg/l	0.0250	0.0238	100.	74.8-121	4.87	20	WG729570
Bromobenzene	mg/l	0.0245	0.0237	98.0	77.5-116	3.34	20	WG729570
Bromodichloromethane	mg/l	0.0254	0.0239	102.	75.1-116	6.17	20	WG729570
Bromoform	mg/l	0.0321	0.0299	128.	67.5-130	7.34	20	WG729570
Bromomethane	mg/l	0.0198	0.0187	79.0	49.9-162	5.53	20	WG729570
Carbon tetrachloride	mg/l	0.0234	0.0223	94.0	70.2-123	4.74	20	WG729570
Chlorobenzene	mg/l	0.0279	0.0271	112.	78.1-119	3.01	20	WG729570

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chlorodibromomethane	mg/l	0.0292	0.0280	117.	74-121	4.46	20	WG729570
Chloroethane	mg/l	0.0219	0.0208	87.0	61.7-135	5.00	20	WG729570
Chloroform	mg/l	0.0227	0.0216	91.0	76-121	5.20	20	WG729570
Chloromethane	mg/l	0.0281	0.0267	112.	61.5-129	5.09	20	WG729570
cis-1,2-Dichloroethene	mg/l	0.0237	0.0222	95.0	76-119	6.47	20	WG729570
cis-1,3-Dichloropropene	mg/l	0.0297	0.0284	119.	78.2-120	4.49	20	WG729570
Di-isopropyl ether	mg/l	0.0291	0.0271	116.	65.6-132	6.93	20	WG729570
Dibromomethane	mg/l	0.0253	0.0241	101.	79.5-118	4.73	20	WG729570
Dichlorodifluoromethane	mg/l	0.0195	0.0184	78.0	54.8-135	5.48	20	WG729570
Ethylbenzene	mg/l	0.0266	0.0258	106.	78.8-122	3.07	20	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0267	0.0253	107.	64.7-129	5.21	20	WG729570
Isopropylbenzene	mg/l	0.0252	0.0241	101.	78.6-132	4.38	20	WG729570
Methyl tert-butyl ether	mg/l	0.0239	0.0226	96.0	71.2-126	5.81	20	WG729570
Methylene Chloride	mg/l	0.0222	0.0212	89.0	70.3-120	4.54	20	WG729570
n-Butylbenzene	mg/l	0.0251	0.0242	100.	76.2-126	3.52	20	WG729570
n-Propylbenzene	mg/l	0.0247	0.0236	99.0	78.2-122	4.45	20	WG729570
Naphthalene	mg/l	0.0289	0.0259	115.	68.4-128	10.7	20	WG729570
p-Isopropyltoluene	mg/l	0.0258	0.0240	103.	74-131	6.99	20	WG729570
sec-Butylbenzene	mg/l	0.0254	0.0241	102.	74.4-127	5.25	20	WG729570
Styrene	mg/l	0.0275	0.0266	110.	80.4-126	3.39	20	WG729570
tert-Butylbenzene	mg/l	0.0263	0.0255	105.	75.3-126	2.90	20	WG729570
Tetrachloroethene	mg/l	0.0267	0.0258	107.	72.6-126	3.45	20	WG729570
Toluene	mg/l	0.0258	0.0246	103.	79.7-116	4.89	20	WG729570
trans-1,2-Dichloroethene	mg/l	0.0225	0.0219	90.0	72.6-121	2.98	20	WG729570
trans-1,3-Dichloropropene	mg/l	0.0323	0.0298	129*	74.3-123	8.15	20	WG729570
Trichloroethene	mg/l	0.0258	0.0244	103.	77.7-118	5.33	20	WG729570
Trichlorofluoromethane	mg/l	0.0250	0.0237	100.	63.5-135	5.54	20	WG729570
Vinyl chloride	mg/l	0.0210	0.0194	84.0	65.9-128	7.96	20	WG729570
Xylenes, Total	mg/l	0.0783	0.0762	104.	78.7-121	2.67	20	WG729570
4-Bromofluorobenzene				95.50	71-126			WG729570
Dibromofluoromethane				89.90	78.3-121			WG729570
Toluene-d8				103.0	88.5-111			WG729570

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00296	0.0000486	.003	97.0	80-120	L706097-03	WG727902
TPH (GC/FID) Low Fraction	mg/l	0.639	0.0256	1	61.0	50-100	L705056-01	WG727090
a,a,a-Trifluorotoluene(FID)					94.50	50-150		WG727090
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0	.025	100.	64-128	L706104-01	WG727917
1,1,1-Trichloroethane	mg/l	0.0266	0.0	.025	110.	58.7-134	L706104-01	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0252	0.0	.025	100.	56-132	L706104-01	WG727917
1,1,2-Trichloroethane	mg/l	0.0254	0.0	.025	100.	66.3-125	L706104-01	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0254	0.0	.025	100.	54.8-154	L706104-01	WG727917
1,1-Dichloroethane	mg/l	0.0272	0.0	.025	110.	58.5-132	L706104-01	WG727917
1,1-Dichloroethene	mg/l	0.0261	0.0	.025	100.	51.1-140	L706104-01	WG727917
1,1-Dichloropropene	mg/l	0.0267	0.0	.025	110.	57.3-136	L706104-01	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0288	0.0	.025	120.	59.1-138	L706104-01	WG727917
1,2,3-Trichloropropane	mg/l	0.0248	0.0	.025	99.0	61.4-128	L706104-01	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0281	0.000398	.025	110.	61.3-122	L706104-01	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0275	0.0	.025	110.	63.6-143	L706104-01	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0243	0.0	.025	97.0	57.4-137	L706104-01	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0265	0.0	.025	110.	57.3-136	L706104-01	WG727917
1,2-Dibromoethane	mg/l	0.0249	0.0	.025	99.0	67.1-125	L706104-01	WG727917
1,2-Dichlorobenzene	mg/l	0.0265	0.0	.025	110.	68.2-123	L706104-01	WG727917

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dichloroethane	mg/l	0.0260	0.0	.025	100.	60-126	L706104-01	WG727917
1,2-Dichloropropane	mg/l	0.0275	0.0	.025	110.	64.2-123	L706104-01	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0255	0.0	.025	100.	63.6-132	L706104-01	WG727917
1,3-Dichlorobenzene	mg/l	0.0242	0.0	.025	97.0	63.1-131	L706104-01	WG727917
1,3-Dichloropropane	mg/l	0.0264	0.0	.025	110.	67.9-121	L706104-01	WG727917
1,4-Dichlorobenzene	mg/l	0.0261	0.0	.025	100.	68.6-123	L706104-01	WG727917
2,2-Dichloropropane	mg/l	0.0258	0.0	.025	100.	50.5-144	L706104-01	WG727917
2-Butanone (MEK)	mg/l	0.125	0.00935	.125	93.0	22.4-138	L706104-01	WG727917
2-Chloroethyl vinyl ether	mg/l	0.00433	0.0	.125	3.50*	10-155	L706104-01	WG727917
2-Chlorotoluene	mg/l	0.0254	0.0	.025	100.	63.6-128	L706104-01	WG727917
4-Chlorotoluene	mg/l	0.0249	0.0	.025	100.	65.7-127	L706104-01	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.143	0.0	.125	110.	60.8-140	L706104-01	WG727917
Acetone	mg/l	0.0894	0.00628	.125	66.0	10-130	L706104-01	WG727917
Acrolein	mg/l	0.0512	0.0	.125	41.0	10-200	L706104-01	WG727917
Acrylonitrile	mg/l	0.137	0.0	.125	110.	49.4-133	L706104-01	WG727917
Benzene	mg/l	0.0266	0.0	.025	110.	54.3-133	L706104-01	WG727917
Bromobenzene	mg/l	0.0241	0.0	.025	96.0	63.9-124	L706104-01	WG727917
Bromodichloromethane	mg/l	0.0249	0.0	.025	100.	63.9-121	L706104-01	WG727917
Bromoform	mg/l	0.0279	0.0	.025	110.	59.5-134	L706104-01	WG727917
Bromomethane	mg/l	0.0304	0.0	.025	120.	41.7-155	L706104-01	WG727917
Carbon tetrachloride	mg/l	0.0274	0.0	.025	110.	55.7-134	L706104-01	WG727917
Chlorobenzene	mg/l	0.0268	0.0	.025	110.	67-125	L706104-01	WG727917
Chlorodibromomethane	mg/l	0.0267	0.0	.025	110.	64.3-125	L706104-01	WG727917
Chloroethane	mg/l	0.0296	0.0	.025	120.	51.5-136	L706104-01	WG727917
Chloroform	mg/l	0.0248	0.0	.025	99.0	63-129	L706104-01	WG727917
Chloromethane	mg/l	0.0306	0.0	.025	120.	42.4-135	L706104-01	WG727917
cis-1,2-Dichloroethene	mg/l	0.0251	0.0	.025	100.	59.2-129	L706104-01	WG727917
cis-1,3-Dichloropropene	mg/l	0.0272	0.0	.025	110.	66.4-125	L706104-01	WG727917
Di-isopropyl ether	mg/l	0.0301	0.0	.025	120.	56.9-136	L706104-01	WG727917
Dibromomethane	mg/l	0.0249	0.0	.025	99.0	68.2-124	L706104-01	WG727917
Dichlorodifluoromethane	mg/l	0.0258	0.0	.025	100.	40.6-144	L706104-01	WG727917
Ethylbenzene	mg/l	0.0270	0.0	.025	110.	61.4-133	L706104-01	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0259	0.0	.025	100.	55.1-136	L706104-01	WG727917
Isopropylbenzene	mg/l	0.0261	0.0	.025	100.	66.8-141	L706104-01	WG727917
Methyl tert-butyl ether	mg/l	0.0244	0.0	.025	98.0	57.7-134	L706104-01	WG727917
Methylene Chloride	mg/l	0.0238	0.0	.025	95.0	58.1-122	L706104-01	WG727917
n-Butylbenzene	mg/l	0.0279	0.0	.025	110.	62.7-140	L706104-01	WG727917
n-Propylbenzene	mg/l	0.0252	0.0	.025	100.	65.9-131	L706104-01	WG727917
Naphthalene	mg/l	0.0276	0.0	.025	110.	58-135	L706104-01	WG727917
p-Isopropyltoluene	mg/l	0.0263	0.0	.025	100.	63.2-139	L706104-01	WG727917
sec-Butylbenzene	mg/l	0.0265	0.0	.025	110.	62.2-136	L706104-01	WG727917
Styrene	mg/l	0.0263	0.0	.025	100.	66.8-133	L706104-01	WG727917
tert-Butylbenzene	mg/l	0.0268	0.0	.025	110.	63.3-134	L706104-01	WG727917
Tetrachloroethene	mg/l	0.0264	0.00103	.025	100.	53-139	L706104-01	WG727917
Toluene	mg/l	0.0261	0.000524	.025	100.	61.4-130	L706104-01	WG727917
trans-1,2-Dichloroethene	mg/l	0.0252	0.0	.025	100.	56.5-129	L706104-01	WG727917
trans-1,3-Dichloropropene	mg/l	0.0276	0.0	.025	110.	64.1-128	L706104-01	WG727917
Trichloroethene	mg/l	0.0258	0.000502	.025	100.	44.1-149	L706104-01	WG727917
Trichlorofluoromethane	mg/l	0.0290	0.0	.025	120.	49.6-145	L706104-01	WG727917
Vinyl chloride	mg/l	0.0298	0.0	.025	120.	47.8-137	L706104-01	WG727917
Xylenes, Total	mg/l	0.0801	0.000485	.075	110.	63.3-131	L706104-01	WG727917
4-Bromofluorobenzene					90.10	71-126		WG727917
Dibromofluoromethane					97.20	78.3-121		WG727917
Toluene-d8					101.0	88.5-111		WG727917
Extractable Petroleum Hydrocarbon	mg/l	1.75	0.322	1.35135	95.0	50-100	L706424-02	WG728409
o-Terphenyl					87.80	50-150		WG728409

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Barium	mg/l	1.12	0.0774	1	100.	75-125	L706097-08	WG728454
Chromium	mg/l	1.02	0.00161	1	100.	75-125	L706097-08	WG728454
Lead	mg/l	1.06	0.00295	1	100.	75-125	L706097-08	WG728454
Silver	mg/l	0.302	0.00137	1	30.0*	75-125	L706097-08	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.528	0.00871	1	52.0	50-100	L705924-02	WG728273
a,a,a-Trifluorotoluene(FID)					68.10	50-150		WG728273
cis-1,2-Dichloroethene	mg/l	0.0246	0.0	.025	98.0	59.2-129	L706031-05	WG728871
Tetrachloroethene	mg/l	0.0287	0.0	.025	120.	53-139	L706031-05	WG728871
Trichloroethene	mg/l	0.0278	0.0	.025	110.	44.1-149	L706031-05	WG728871
4-Bromofluorobenzene					95.10	71-126		WG728871
Dibromofluoromethane					97.40	78.3-121		WG728871
Toluene-d8					103.0	88.5-111		WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0254	0.0	.025	100.	64-128	L705933-12	WG728924
1,1,1-Trichloroethane	mg/l	0.0254	0.0	.025	100.	58.7-134	L705933-12	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0276	0.0	.025	110.	56-132	L705933-12	WG728924
1,1,2-Trichloroethane	mg/l	0.0270	0.0	.025	110.	66.3-125	L705933-12	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0289	0.0	.025	120.	54.8-154	L705933-12	WG728924
1,1-Dichloroethane	mg/l	0.0278	0.0	.025	110.	58.5-132	L705933-12	WG728924
1,1-Dichloroethene	mg/l	0.0281	0.0	.025	110.	51.1-140	L705933-12	WG728924
1,1-Dichloropropene	mg/l	0.0283	0.0	.025	110.	57.3-136	L705933-12	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0	.025	100.	59.1-138	L705933-12	WG728924
1,2,3-Trichloropropane	mg/l	0.0262	0.0	.025	100.	61.4-128	L705933-12	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0272	0.000817	.025	110.	61.3-122	L705933-12	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0271	0.0	.025	110.	63.6-143	L705933-12	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0365	0.0109	.025	100.	57.4-137	L705933-12	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0272	0.0	.025	110.	57.3-136	L705933-12	WG728924
1,2-Dibromoethane	mg/l	0.0271	0.0	.025	110.	67.1-125	L705933-12	WG728924
1,2-Dichlorobenzene	mg/l	0.0269	0.0	.025	110.	68.2-123	L705933-12	WG728924
1,2-Dichloroethane	mg/l	0.0257	0.0	.025	100.	60-126	L705933-12	WG728924
1,2-Dichloropropane	mg/l	0.0276	0.0	.025	110.	64.2-123	L705933-12	WG728924
1,3,5-Trimethylbenzene	mg/l	0.0275	0.000384	.025	110.	63.6-132	L705933-12	WG728924
1,3-Dichlorobenzene	mg/l	0.0258	0.0	.025	100.	63.1-131	L705933-12	WG728924
1,3-Dichloropropane	mg/l	0.0266	0.0	.025	110.	67.9-121	L705933-12	WG728924
1,4-Dichlorobenzene	mg/l	0.0258	0.0	.025	100.	68.6-123	L705933-12	WG728924
2,2-Dichloropropane	mg/l	0.0254	0.0	.025	100.	50.5-144	L705933-12	WG728924
2-Butanone (MEK)	mg/l	0.134	0.0	.125	110.	22.4-138	L705933-12	WG728924
2-Chloroethyl vinyl ether	mg/l	0.000347	0.0	.125	0.280*	10-155	L705933-12	WG728924
2-Chlorotoluene	mg/l	0.0269	0.0	.025	110.	63.6-128	L705933-12	WG728924
4-Chlorotoluene	mg/l	0.0265	0.0	.025	110.	65.7-127	L705933-12	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.143	0.0	.125	110.	60.8-140	L705933-12	WG728924
Acetone	mg/l	0.133	0.0108	.125	98.0	10-130	L705933-12	WG728924
Acrolein	mg/l	0.176	0.0	.125	140.	10-200	L705933-12	WG728924
Acrylonitrile	mg/l	0.150	0.0	.125	120.	49.4-133	L705933-12	WG728924
Benzene	mg/l	0.0278	0.0	.025	110.	54.3-133	L705933-12	WG728924
Bromobenzene	mg/l	0.0257	0.0	.025	100.	63.9-124	L705933-12	WG728924
Bromodichloromethane	mg/l	0.0258	0.0	.025	100.	63.9-121	L705933-12	WG728924
Bromoform	mg/l	0.0267	0.0	.025	110.	59.5-134	L705933-12	WG728924
Bromomethane	mg/l	0.0208	0.0	.025	83.0	41.7-155	L705933-12	WG728924
Carbon tetrachloride	mg/l	0.0245	0.0	.025	98.0	55.7-134	L705933-12	WG728924
Chlorobenzene	mg/l	0.0269	0.0	.025	110.	67-125	L705933-12	WG728924
Chlorodibromomethane	mg/l	0.0257	0.0	.025	100.	64.3-125	L705933-12	WG728924
Chloroethane	mg/l	0.0250	0.0	.025	100.	51.5-136	L705933-12	WG728924

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloroform	mg/l	0.0261	0.0	.025	100.	63-129	L705933-12	WG728924
Chloromethane	mg/l	0.0245	0.0	.025	98.0	42.4-135	L705933-12	WG728924
cis-1,2-Dichloroethene	mg/l	0.0290	0.0	.025	120.	59.2-129	L705933-12	WG728924
cis-1,3-Dichloropropene	mg/l	0.0276	0.0	.025	110.	66.4-125	L705933-12	WG728924
Di-isopropyl ether	mg/l	0.0279	0.000761	.025	110.	56.9-136	L705933-12	WG728924
Dibromomethane	mg/l	0.0277	0.0	.025	110.	68.2-124	L705933-12	WG728924
Dichlorodifluoromethane	mg/l	0.0246	0.0	.025	98.0	40.6-144	L705933-12	WG728924
Ethylbenzene	mg/l	0.0277	0.00137	.025	100.	61.4-133	L705933-12	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0244	0.0	.025	98.0	55.1-136	L705933-12	WG728924
Isopropylbenzene	mg/l	0.0275	0.000740	.025	110.	66.8-141	L705933-12	WG728924
Methyl tert-butyl ether	mg/l	0.145	0.124	.025	83.0	57.7-134	L705933-12	WG728924
Methylene Chloride	mg/l	0.0282	0.000306	.025	110.	58.1-122	L705933-12	WG728924
n-Butylbenzene	mg/l	0.0288	0.0	.025	120.	62.7-140	L705933-12	WG728924
n-Propylbenzene	mg/l	0.0272	0.00129	.025	100.	65.9-131	L705933-12	WG728924
Naphthalene	mg/l	0.0346	0.00592	.025	120.	58-135	L705933-12	WG728924
p-Isopropyltoluene	mg/l	0.0273	0.000486	.025	110.	63.2-139	L705933-12	WG728924
sec-Butylbenzene	mg/l	0.0271	0.000875	.025	100.	62.2-136	L705933-12	WG728924
Styrene	mg/l	0.0273	0.0	.025	110.	66.8-133	L705933-12	WG728924
tert-Butylbenzene	mg/l	0.0265	0.0	.025	110.	63.3-134	L705933-12	WG728924
Tetrachloroethene	mg/l	0.0240	0.0	.025	96.0	53-139	L705933-12	WG728924
Toluene	mg/l	0.0270	0.000460	.025	110.	61.4-130	L705933-12	WG728924
trans-1,2-Dichloroethene	mg/l	0.0287	0.0	.025	120.	56.5-129	L705933-12	WG728924
trans-1,3-Dichloropropene	mg/l	0.0277	0.0	.025	110.	64.1-128	L705933-12	WG728924
Trichloroethene	mg/l	0.0267	0.0	.025	110.	44.1-149	L705933-12	WG728924
Trichlorofluoromethane	mg/l	0.0229	0.0	.025	91.0	49.6-145	L705933-12	WG728924
Vinyl chloride	mg/l	0.0253	0.0	.025	100.	47.8-137	L705933-12	WG728924
Xylenes, Total	mg/l	0.0786	0.0	.075	100.	63.3-131	L705933-12	WG728924
4-Bromofluorobenzene					99.00	71-126		WG728924
Dibromofluoromethane					101.0	78.3-121		WG728924
Toluene-d8					102.0	88.5-111		WG728924
Arsenic	mg/l	0.0607	0.00343	.05	110.	75-125	L706097-04	WG728531
1,1,1,2-Tetrachloroethane	mg/l	0.0246	0.0	.025	98.0	64-128	L706434-10	WG729570
1,1,1-Trichloroethane	mg/l	0.0215	0.0	.025	86.0	58.7-134	L706434-10	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0261	0.0	.025	100.	56-132	L706434-10	WG729570
1,1,2-Trichloroethane	mg/l	0.0268	0.0	.025	110.	66.3-125	L706434-10	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0201	0.0	.025	80.0	54.8-154	L706434-10	WG729570
1,1-Dichloroethane	mg/l	0.0230	0.0	.025	92.0	58.5-132	L706434-10	WG729570
1,1-Dichloroethene	mg/l	0.0203	0.0	.025	81.0	51.1-140	L706434-10	WG729570
1,1-Dichloropropene	mg/l	0.0219	0.0	.025	88.0	57.3-136	L706434-10	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0272	0.0	.025	110.	59.1-138	L706434-10	WG729570
1,2,3-Trichloropropane	mg/l	0.0259	0.0	.025	100.	61.4-128	L706434-10	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0229	0.0	.025	92.0	61.3-122	L706434-10	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0246	0.0	.025	98.0	63.6-143	L706434-10	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0227	0.0	.025	91.0	57.4-137	L706434-10	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0267	0.0	.025	110.	57.3-136	L706434-10	WG729570
1,2-Dibromoethane	mg/l	0.0266	0.0	.025	110.	67.1-125	L706434-10	WG729570
1,2-Dichlorobenzene	mg/l	0.0241	0.0	.025	97.0	68.2-123	L706434-10	WG729570
1,2-Dichloroethane	mg/l	0.0220	0.0	.025	88.0	60-126	L706434-10	WG729570
1,2-Dichloropropane	mg/l	0.0257	0.0	.025	100.	64.2-123	L706434-10	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0230	0.0	.025	92.0	63.6-132	L706434-10	WG729570
1,3-Dichlorobenzene	mg/l	0.0239	0.0	.025	96.0	63.1-131	L706434-10	WG729570
1,3-Dichloropropane	mg/l	0.0272	0.0	.025	110.	67.9-121	L706434-10	WG729570
1,4-Dichlorobenzene	mg/l	0.0231	0.0	.025	92.0	68.6-123	L706434-10	WG729570
2,2-Dichloropropane	mg/l	0.0186	0.0	.025	74.0	50.5-144	L706434-10	WG729570
2-Butanone (MEK)	mg/l	0.134	0.0	.125	110.	22.4-138	L706434-10	WG729570

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
2-Chloroethyl vinyl ether	mg/l	0.000618	0.0	.125	0.490*	10-155	L706434-10	WG729570
2-Chlorotoluene	mg/l	0.0236	0.0	.025	94.0	63.6-128	L706434-10	WG729570
4-Chlorotoluene	mg/l	0.0230	0.0	.025	92.0	65.7-127	L706434-10	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.160	0.0	.125	130.	60.8-140	L706434-10	WG729570
Acetone	mg/l	0.109	0.00806	.125	80.0	10-130	L706434-10	WG729570
Acrolein	mg/l	0.0717	0.0	.125	57.0	10-200	L706434-10	WG729570
Acrylonitrile	mg/l	0.143	0.0	.125	110.	49.4-133	L706434-10	WG729570
Benzene	mg/l	0.0229	0.0	.025	92.0	54.3-133	L706434-10	WG729570
Bromobenzene	mg/l	0.0231	0.0	.025	92.0	63.9-124	L706434-10	WG729570
Bromodichloromethane	mg/l	0.0235	0.0	.025	94.0	63.9-121	L706434-10	WG729570
Bromoform	mg/l	0.0307	0.0	.025	120.	59.5-134	L706434-10	WG729570
Bromomethane	mg/l	0.0182	0.0	.025	73.0	41.7-155	L706434-10	WG729570
Carbon tetrachloride	mg/l	0.0219	0.0	.025	88.0	55.7-134	L706434-10	WG729570
Chlorobenzene	mg/l	0.0262	0.0	.025	100.	67-125	L706434-10	WG729570
Chlorodibromomethane	mg/l	0.0278	0.0	.025	110.	64.3-125	L706434-10	WG729570
Chloroethane	mg/l	0.0194	0.0	.025	78.0	51.5-136	L706434-10	WG729570
Chloroform	mg/l	0.0214	0.0	.025	86.0	63-129	L706434-10	WG729570
Chloromethane	mg/l	0.0252	0.0	.025	100.	42.4-135	L706434-10	WG729570
cis-1,2-Dichloroethene	mg/l	0.0224	0.000526	.025	87.0	59.2-129	L706434-10	WG729570
cis-1,3-Dichloropropene	mg/l	0.0261	0.0	.025	100.	66.4-125	L706434-10	WG729570
Di-isopropyl ether	mg/l	0.0264	0.0	.025	110.	56.9-136	L706434-10	WG729570
Dibromomethane	mg/l	0.0234	0.0	.025	94.0	68.2-124	L706434-10	WG729570
Dichlorodifluoromethane	mg/l	0.0180	0.0	.025	72.0	40.6-144	L706434-10	WG729570
Ethylbenzene	mg/l	0.0250	0.0	.025	100.	61.4-133	L706434-10	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0237	0.0	.025	95.0	55.1-136	L706434-10	WG729570
Isopropylbenzene	mg/l	0.0235	0.0	.025	94.0	66.8-141	L706434-10	WG729570
Methyl tert-butyl ether	mg/l	0.0220	0.0	.025	88.0	57.7-134	L706434-10	WG729570
Methylene Chloride	mg/l	0.0208	0.0	.025	83.0	58.1-122	L706434-10	WG729570
n-Butylbenzene	mg/l	0.0217	0.0	.025	87.0	62.7-140	L706434-10	WG729570
n-Propylbenzene	mg/l	0.0229	0.0	.025	92.0	65.9-131	L706434-10	WG729570
Naphthalene	mg/l	0.0258	0.0	.025	100.	58-135	L706434-10	WG729570
p-Isopropyltoluene	mg/l	0.0239	0.0	.025	96.0	63.2-139	L706434-10	WG729570
sec-Butylbenzene	mg/l	0.0241	0.0	.025	96.0	62.2-136	L706434-10	WG729570
Styrene	mg/l	0.0261	0.0	.025	100.	66.8-133	L706434-10	WG729570
tert-Butylbenzene	mg/l	0.0251	0.0	.025	100.	63.3-134	L706434-10	WG729570
Tetrachloroethene	mg/l	0.0255	0.0	.025	100.	53-139	L706434-10	WG729570
Toluene	mg/l	0.0237	0.0	.025	95.0	61.4-130	L706434-10	WG729570
trans-1,2-Dichloroethene	mg/l	0.0208	0.0	.025	83.0	56.5-129	L706434-10	WG729570
trans-1,3-Dichloropropene	mg/l	0.0287	0.0	.025	120.	64.1-128	L706434-10	WG729570
Trichloroethene	mg/l	0.0245	0.000890	.025	94.0	44.1-149	L706434-10	WG729570
Trichlorofluoromethane	mg/l	0.0223	0.0	.025	89.0	49.6-145	L706434-10	WG729570
Vinyl chloride	mg/l	0.0189	0.0	.025	76.0	47.8-137	L706434-10	WG729570
Xylenes, Total	mg/l	0.0740	0.0	.075	99.0	63.3-131	L706434-10	WG729570
4-Bromofluorobenzene					96.40	71-126		WG729570
Dibromofluoromethane					91.20	78.3-121		WG729570
Toluene-d8					103.0	88.5-111		WG729570
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0.0	.025	96.0	64-128	L707563-07	WG729570
1,1,1-Trichloroethane	mg/l	0.0210	0.0	.025	84.0	58.7-134	L707563-07	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0250	0.000303	.025	99.0	56-132	L707563-07	WG729570
1,1,2-Trichloroethane	mg/l	0.0263	0.0	.025	100.	66.3-125	L707563-07	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0196	0.0	.025	78.0	54.8-154	L707563-07	WG729570
1,1-Dichloroethane	mg/l	0.0231	0.0	.025	92.0	58.5-132	L707563-07	WG729570
1,1-Dichloroethene	mg/l	0.0203	0.0	.025	81.0	51.1-140	L707563-07	WG729570
1,1-Dichloropropene	mg/l	0.0218	0.0	.025	87.0	57.3-136	L707563-07	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0267	0.0	.025	110.	59.1-138	L707563-07	WG729570
1,2,3-Trichloropropane	mg/l	0.0250	0.0	.025	100.	61.4-128	L707563-07	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0228	0.0	.025	91.0	61.3-122	L707563-07	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0243	0.0	.025	97.0	63.6-143	L707563-07	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0221	0.0	.025	88.0	57.4-137	L707563-07	WG729570

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1,2-Dibromo-3-Chloropropane	mg/l	0.0258	0.0	.025	100.	57.3-136	L707563-07	WG729570
1,2-Dibromoethane	mg/l	0.0266	0.0	.025	110.	67.1-125	L707563-07	WG729570
1,2-Dichlorobenzene	mg/l	0.0240	0.0	.025	96.0	68.2-123	L707563-07	WG729570
1,2-Dichloroethane	mg/l	0.0217	0.0	.025	87.0	60-126	L707563-07	WG729570
1,2-Dichloropropane	mg/l	0.0259	0.00170	.025	97.0	64.2-123	L707563-07	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0225	0.0	.025	90.0	63.6-132	L707563-07	WG729570
1,3-Dichlorobenzene	mg/l	0.0235	0.0	.025	94.0	63.1-131	L707563-07	WG729570
1,3-Dichloropropane	mg/l	0.0279	0.0	.025	110.	67.9-121	L707563-07	WG729570
1,4-Dichlorobenzene	mg/l	0.0235	0.000521	.025	92.0	68.6-123	L707563-07	WG729570
2,2-Dichloropropane	mg/l	0.0178	0.0	.025	71.0	50.5-144	L707563-07	WG729570
2-Butanone (MEK)	mg/l	0.133	0.0	.125	110.	22.4-138	L707563-07	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000572	0.0	.125	0.460*	10-155	L707563-07	WG729570
2-Chlorotoluene	mg/l	0.0229	0.0	.025	92.0	63.6-128	L707563-07	WG729570
4-Chlorotoluene	mg/l	0.0236	0.0	.025	95.0	65.7-127	L707563-07	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.153	0.0	.125	120.	60.8-140	L707563-07	WG729570
Acetone	mg/l	0.0944	0.00415	.125	72.0	10-130	L707563-07	WG729570
Acrolein	mg/l	0.0727	0.0	.125	58.0	10-200	L707563-07	WG729570
Acrylonitrile	mg/l	0.138	0.0	.125	110.	49.4-133	L707563-07	WG729570
Benzene	mg/l	0.0229	0.0	.025	92.0	54.3-133	L707563-07	WG729570
Bromobenzene	mg/l	0.0228	0.0	.025	91.0	63.9-124	L707563-07	WG729570
Bromodichloromethane	mg/l	0.0233	0.0	.025	93.0	63.9-121	L707563-07	WG729570
Bromoform	mg/l	0.0305	0.0	.025	120.	59.5-134	L707563-07	WG729570
Bromomethane	mg/l	0.0181	0.0	.025	72.0	41.7-155	L707563-07	WG729570
Carbon tetrachloride	mg/l	0.0216	0.0	.025	86.0	55.7-134	L707563-07	WG729570
Chlorobenzene	mg/l	0.0264	0.000638	.025	100.	67-125	L707563-07	WG729570
Chlorodibromomethane	mg/l	0.0272	0.0	.025	110.	64.3-125	L707563-07	WG729570
Chloroethane	mg/l	0.0197	0.0	.025	79.0	51.5-136	L707563-07	WG729570
Chloroform	mg/l	0.0208	0.0	.025	83.0	63-129	L707563-07	WG729570
Chloromethane	mg/l	0.0250	0.0	.025	100.	42.4-135	L707563-07	WG729570
cis-1,2-Dichloroethene	mg/l	0.0218	0.0	.025	87.0	59.2-129	L707563-07	WG729570
cis-1,3-Dichloropropene	mg/l	0.0267	0.0	.025	110.	66.4-125	L707563-07	WG729570
Di-isopropyl ether	mg/l	0.0257	0.0	.025	100.	56.9-136	L707563-07	WG729570
Dibromomethane	mg/l	0.0230	0.0	.025	92.0	68.2-124	L707563-07	WG729570
Dichlorodifluoromethane	mg/l	0.0173	0.0	.025	69.0	40.6-144	L707563-07	WG729570
Ethylbenzene	mg/l	0.0248	0.0	.025	99.0	61.4-133	L707563-07	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0	.025	97.0	55.1-136	L707563-07	WG729570
Isopropylbenzene	mg/l	0.0234	0.0	.025	94.0	66.8-141	L707563-07	WG729570
Methyl tert-butyl ether	mg/l	0.0215	0.0	.025	86.0	57.7-134	L707563-07	WG729570
Methylene Chloride	mg/l	0.0208	0.0	.025	83.0	58.1-122	L707563-07	WG729570
n-Butylbenzene	mg/l	0.0217	0.0	.025	87.0	62.7-140	L707563-07	WG729570
n-Propylbenzene	mg/l	0.0229	0.0	.025	91.0	65.9-131	L707563-07	WG729570
Naphthalene	mg/l	0.0256	0.0	.025	100.	58-135	L707563-07	WG729570
p-Isopropyltoluene	mg/l	0.0239	0.0	.025	96.0	63.2-139	L707563-07	WG729570
sec-Butylbenzene	mg/l	0.0238	0.0	.025	95.0	62.2-136	L707563-07	WG729570
Styrene	mg/l	0.0259	0.0	.025	100.	66.8-133	L707563-07	WG729570
tert-Butylbenzene	mg/l	0.0247	0.0	.025	99.0	63.3-134	L707563-07	WG729570
Tetrachloroethene	mg/l	0.0241	0.0	.025	96.0	53-139	L707563-07	WG729570
Toluene	mg/l	0.0239	0.0	.025	96.0	61.4-130	L707563-07	WG729570
trans-1,2-Dichloroethene	mg/l	0.0208	0.0	.025	83.0	56.5-129	L707563-07	WG729570
trans-1,3-Dichloropropene	mg/l	0.0294	0.0	.025	120.	64.1-128	L707563-07	WG729570
Trichloroethene	mg/l	0.0232	0.0	.025	93.0	44.1-149	L707563-07	WG729570
Trichlorofluoromethane	mg/l	0.0224	0.0	.025	90.0	49.6-145	L707563-07	WG729570
Vinyl chloride	mg/l	0.0190	0.0	.025	76.0	47.8-137	L707563-07	WG729570
Xylenes, Total	mg/l	0.0725	0.0	.075	97.0	63.3-131	L707563-07	WG729570
4-Bromofluorobenzene					96.40	71-126		WG729570
Dibromofluoromethane					88.80	78.3-121		WG729570
Toluene-d8					104.0	88.5-111		WG729570

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Level II

L706111

July 01, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00297	0.00296	97.4	80-120	0.0	20	L706097-03	WG727902
TPH (GC/FID) Low Fraction	mg/l	0.618	0.639	59.2	50-100	3.40	20	L705056-01	WG727090
a,a,a-Trifluorotoluene(FID)				94.30	50-150				WG727090
1,1,1,2-Tetrachloroethane	mg/l	0.0258	0.0257	103.	64-128	0.640	20	L706104-01	WG727917
1,1,1-Trichloroethane	mg/l	0.0261	0.0266	104.	58.7-134	1.87	20	L706104-01	WG727917
1,1,2,2-Tetrachloroethane	mg/l	0.0267	0.0252	107.	56-132	5.52	22.2	L706104-01	WG727917
1,1,2-Trichloroethane	mg/l	0.0270	0.0254	108.	66.3-125	6.04	20	L706104-01	WG727917
1,1,2-Trichlorotrifluoroethane	mg/l	0.0251	0.0254	100.	54.8-154	1.33	22.5	L706104-01	WG727917
1,1-Dichloroethane	mg/l	0.0268	0.0272	107.	58.5-132	1.70	20	L706104-01	WG727917
1,1-Dichloroethene	mg/l	0.0262	0.0261	105.	51.1-140	0.310	20.2	L706104-01	WG727917
1,1-Dichloropropene	mg/l	0.0271	0.0267	108.	57.3-136	1.45	20	L706104-01	WG727917
1,2,3-Trichlorobenzene	mg/l	0.0281	0.0288	112.	59.1-138	2.59	23.7	L706104-01	WG727917
1,2,3-Trichloropropane	mg/l	0.0258	0.0248	103.	61.4-128	4.09	22.4	L706104-01	WG727917
1,2,3-Trimethylbenzene	mg/l	0.0283	0.0281	112.	61.3-122	0.760	20	L706104-01	WG727917
1,2,4-Trichlorobenzene	mg/l	0.0269	0.0275	107.	63.6-143	2.57	21.9	L706104-01	WG727917
1,2,4-Trimethylbenzene	mg/l	0.0245	0.0243	98.1	57.4-137	1.11	20	L706104-01	WG727917
1,2-Dibromo-3-Chloropropane	mg/l	0.0256	0.0265	102.	57.3-136	3.34	27	L706104-01	WG727917
1,2-Dibromoethane	mg/l	0.0269	0.0249	108.	67.1-125	7.99	20	L706104-01	WG727917
1,2-Dichlorobenzene	mg/l	0.0269	0.0265	108.	68.2-123	1.53	20	L706104-01	WG727917
1,2-Dichloroethane	mg/l	0.0264	0.0260	106.	60-126	1.56	20	L706104-01	WG727917
1,2-Dichloropropane	mg/l	0.0280	0.0275	112.	64.2-123	1.82	20	L706104-01	WG727917
1,3,5-Trimethylbenzene	mg/l	0.0260	0.0255	104.	63.6-132	2.25	20.5	L706104-01	WG727917
1,3-Dichlorobenzene	mg/l	0.0248	0.0242	99.0	63.1-131	2.46	20	L706104-01	WG727917
1,3-Dichloropropane	mg/l	0.0285	0.0264	114.	67.9-121	7.51	20	L706104-01	WG727917
1,4-Dichlorobenzene	mg/l	0.0267	0.0261	107.	68.6-123	1.97	20	L706104-01	WG727917
2,2-Dichloropropane	mg/l	0.0248	0.0258	99.3	50.5-144	3.71	21.9	L706104-01	WG727917
2-Butanone (MEK)	mg/l	0.135	0.125	100.	22.4-138	7.28	27	L706104-01	WG727917
2-Chloroethyl vinyl ether	mg/l	0.00151	0.00433	1.21*	10-155	96.4*	20	L706104-01	WG727917
2-Chlorotoluene	mg/l	0.0263	0.0254	105.	63.6-128	3.44	20	L706104-01	WG727917
4-Chlorotoluene	mg/l	0.0256	0.0249	102.	65.7-127	2.75	20	L706104-01	WG727917
4-Methyl-2-pentanone (MIBK)	mg/l	0.152	0.143	122.	60.8-140	6.47	25.1	L706104-01	WG727917
Acetone	mg/l	0.109	0.0894	82.2	10-130	19.7	27.9	L706104-01	WG727917
Acrolein	mg/l	0.0716	0.0512	57.2	10-200	33.1*	27.7	L706104-01	WG727917
Acrylonitrile	mg/l	0.146	0.137	117.	49.4-133	6.41	25.3	L706104-01	WG727917
Benzene	mg/l	0.0270	0.0266	108.	54.3-133	1.66	20	L706104-01	WG727917
Bromobenzene	mg/l	0.0249	0.0241	99.8	63.9-124	3.39	20	L706104-01	WG727917
Bromodichloromethane	mg/l	0.0260	0.0249	104.	63.9-121	4.42	20	L706104-01	WG727917
Bromoform	mg/l	0.0296	0.0279	118.	59.5-134	6.08	20.5	L706104-01	WG727917
Bromomethane	mg/l	0.0292	0.0304	117.	41.7-155	3.78	21.9	L706104-01	WG727917
Carbon tetrachloride	mg/l	0.0273	0.0274	109.	55.7-134	0.370	20	L706104-01	WG727917
Chlorobenzene	mg/l	0.0280	0.0268	112.	67-125	4.55	20	L706104-01	WG727917
Chlorodibromomethane	mg/l	0.0284	0.0267	114.	64.3-125	6.24	20.8	L706104-01	WG727917
Chloroethane	mg/l	0.0332	0.0296	133.	51.5-136	11.4	40	L706104-01	WG727917
Chloroform	mg/l	0.0248	0.0248	99.2	63-129	0.0400	20	L706104-01	WG727917
Chloromethane	mg/l	0.0298	0.0306	119.	42.4-135	2.62	20	L706104-01	WG727917
cis-1,2-Dichloroethene	mg/l	0.0251	0.0251	100.	59.2-129	0.0700	20	L706104-01	WG727917
cis-1,3-Dichloropropene	mg/l	0.0283	0.0272	113.	66.4-125	3.91	20	L706104-01	WG727917
Di-isopropyl ether	mg/l	0.0305	0.0301	122.	56.9-136	1.26	20	L706104-01	WG727917
Dibromomethane	mg/l	0.0256	0.0249	102.	68.2-124	2.76	20	L706104-01	WG727917
Dichlorodifluoromethane	mg/l	0.0256	0.0258	102.	40.6-144	0.720	20.2	L706104-01	WG727917
Ethylbenzene	mg/l	0.0278	0.0270	111.	61.4-133	3.26	20	L706104-01	WG727917
Hexachloro-1,3-butadiene	mg/l	0.0254	0.0259	101.	55.1-136	2.10	23.6	L706104-01	WG727917
Isopropylbenzene	mg/l	0.0265	0.0261	106.	66.8-141	1.29	20	L706104-01	WG727917
Methyl tert-butyl ether	mg/l	0.0253	0.0244	101.	57.7-134	3.44	20	L706104-01	WG727917
Methylene Chloride	mg/l	0.0234	0.0238	93.5	58.1-122	1.60	20	L706104-01	WG727917
n-Butylbenzene	mg/l	0.0283	0.0279	113.	62.7-140	1.35	20.3	L706104-01	WG727917

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Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Propylbenzene	mg/l	0.0258	0.0252	103.	65.9-131	2.42	20	L706104-01	WG727917
Naphthalene	mg/l	0.0278	0.0276	111.	58-135	0.710	25.5	L706104-01	WG727917
p-Isopropyltoluene	mg/l	0.0268	0.0263	107.	63.2-139	1.86	20.4	L706104-01	WG727917
sec-Butylbenzene	mg/l	0.0269	0.0265	108.	62.2-136	1.57	20.3	L706104-01	WG727917
Styrene	mg/l	0.0273	0.0263	109.	66.8-133	3.62	20	L706104-01	WG727917
tert-Butylbenzene	mg/l	0.0272	0.0268	109.	63.3-134	1.23	21	L706104-01	WG727917
Tetrachloroethene	mg/l	0.0269	0.0264	104.	53-139	2.15	20	L706104-01	WG727917
Toluene	mg/l	0.0265	0.0261	104.	61.4-130	1.47	20	L706104-01	WG727917
trans-1,2-Dichloroethene	mg/l	0.0259	0.0252	104.	56.5-129	2.79	20	L706104-01	WG727917
trans-1,3-Dichloropropene	mg/l	0.0293	0.0276	117.	64.1-128	5.79	20	L706104-01	WG727917
Trichloroethene	mg/l	0.0260	0.0258	102.	44.1-149	0.930	20	L706104-01	WG727917
Trichlorofluoromethane	mg/l	0.0276	0.0290	110.	49.6-145	5.03	21.2	L706104-01	WG727917
Vinyl chloride	mg/l	0.0299	0.0298	120.	47.8-137	0.100	20	L706104-01	WG727917
Xylenes, Total	mg/l	0.0823	0.0801	109.	63.3-131	2.66	20	L706104-01	WG727917
4-Bromofluorobenzene				92.50	71-126				WG727917
Dibromofluoromethane				95.30	78.3-121				WG727917
Toluene-d8				102.0	88.5-111				WG727917
Extractable Petroleum Hydrocarbon	mg/l	1.70	1.75	91.8	50-100	3.00	20	L706424-02	WG728409
o-Terphenyl				88.90	50-150				WG728409
Barium	mg/l	1.12	1.12	104.	75-125	0.0	20	L706097-08	WG728454
Chromium	mg/l	1.02	1.02	102.	75-125	1.00	20	L706097-08	WG728454
Lead	mg/l	1.05	1.06	104.	75-125	1.00	20	L706097-08	WG728454
Silver	mg/l	0.328	0.302	32.6*	75-125	8.00	20	L706097-08	WG728454
TPH (GC/FID) Low Fraction	mg/l	0.566	0.528	55.7	50-100	7.06	20	L705924-02	WG728273
a,a,a-Trifluorotoluene(FID)				105.0	50-150				WG728273
cis-1,2-Dichloroethene	mg/l	0.0237	0.0246	94.6	59.2-129	3.91	20	L706031-05	WG728871
Tetrachloroethene	mg/l	0.0282	0.0287	113.	53-139	1.92	20	L706031-05	WG728871
Trichloroethene	mg/l	0.0267	0.0278	107.	44.1-149	4.10	20	L706031-05	WG728871
4-Bromofluorobenzene				94.90	71-126				WG728871
Dibromofluoromethane				98.70	78.3-121				WG728871
Toluene-d8				103.0	88.5-111				WG728871
1,1,1,2-Tetrachloroethane	mg/l	0.0257	0.0254	103.	64-128	1.22	20	L705933-12	WG728924
1,1,1-Trichloroethane	mg/l	0.0253	0.0254	101.	58.7-134	0.170	20	L705933-12	WG728924
1,1,2,2-Tetrachloroethane	mg/l	0.0270	0.0276	108.	56-132	2.16	22.2	L705933-12	WG728924
1,1,2-Trichloroethane	mg/l	0.0264	0.0270	106.	66.3-125	2.15	20	L705933-12	WG728924
1,1,2-Trichlorotrifluoroethane	mg/l	0.0293	0.0289	117.	54.8-154	1.10	22.5	L705933-12	WG728924
1,1-Dichloroethane	mg/l	0.0276	0.0278	110.	58.5-132	0.410	20	L705933-12	WG728924
1,1-Dichloroethene	mg/l	0.0279	0.0281	112.	51.1-140	0.550	20.2	L705933-12	WG728924
1,1-Dichloropropene	mg/l	0.0281	0.0283	112.	57.3-136	0.850	20	L705933-12	WG728924
1,2,3-Trichlorobenzene	mg/l	0.0264	0.0264	106.	59.1-138	0.130	23.7	L705933-12	WG728924
1,2,3-Trichloropropane	mg/l	0.0258	0.0262	103.	61.4-128	1.50	22.4	L705933-12	WG728924
1,2,3-Trimethylbenzene	mg/l	0.0275	0.0272	107.	61.3-122	1.08	20	L705933-12	WG728924
1,2,4-Trichlorobenzene	mg/l	0.0272	0.0271	109.	63.6-143	0.430	21.9	L705933-12	WG728924
1,2,4-Trimethylbenzene	mg/l	0.0371	0.0365	104.	57.4-137	1.56	20	L705933-12	WG728924
1,2-Dibromo-3-Chloropropane	mg/l	0.0276	0.0272	110.	57.3-136	1.59	27	L705933-12	WG728924
1,2-Dibromoethane	mg/l	0.0268	0.0271	107.	67.1-125	1.07	20	L705933-12	WG728924
1,2-Dichlorobenzene	mg/l	0.0270	0.0269	108.	68.2-123	0.380	20	L705933-12	WG728924
1,2-Dichloroethane	mg/l	0.0256	0.0257	102.	60-126	0.330	20	L705933-12	WG728924
1,2-Dichloropropane	mg/l	0.0278	0.0276	111.	64.2-123	0.680	20	L705933-12	WG728924

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1,3,5-Trimethylbenzene	mg/l	0.0275	0.0275	108.	63.6-132	0.230	20.5	L705933-12	WG728924
1,3-Dichlorobenzene	mg/l	0.0255	0.0258	102.	63.1-131	1.41	20	L705933-12	WG728924
1,3-Dichloropropane	mg/l	0.0267	0.0266	107.	67.9-121	0.600	20	L705933-12	WG728924
1,4-Dichlorobenzene	mg/l	0.0258	0.0258	103.	68.6-123	0.130	20	L705933-12	WG728924
2,2-Dichloropropane	mg/l	0.0255	0.0254	102.	50.5-144	0.260	21.9	L705933-12	WG728924
2-Butanone (MEK)	mg/l	0.137	0.134	109.	22.4-138	1.96	27	L705933-12	WG728924
2-Chloroethyl vinyl ether	mg/l	0.000955	0.000347	0.764*	10-155	93.3*	20	L705933-12	WG728924
2-Chlorotoluene	mg/l	0.0264	0.0269	106.	63.6-128	1.66	20	L705933-12	WG728924
4-Chlorotoluene	mg/l	0.0264	0.0265	106.	65.7-127	0.520	20	L705933-12	WG728924
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0.143	115.	60.8-140	0.820	25.1	L705933-12	WG728924
Acetone	mg/l	0.128	0.133	93.5	10-130	4.31	27.9	L705933-12	WG728924
Acrolein	mg/l	0.177	0.176	142.	10-200	0.630	27.7	L705933-12	WG728924
Acrylonitrile	mg/l	0.148	0.150	118.	49.4-133	1.97	25.3	L705933-12	WG728924
Benzene	mg/l	0.0278	0.0278	111.	54.3-133	0.130	20	L705933-12	WG728924
Bromobenzene	mg/l	0.0256	0.0257	102.	63.9-124	0.210	20	L705933-12	WG728924
Bromodichloromethane	mg/l	0.0256	0.0258	102.	63.9-121	0.840	20	L705933-12	WG728924
Bromoform	mg/l	0.0263	0.0267	105.	59.5-134	1.43	20.5	L705933-12	WG728924
Bromomethane	mg/l	0.0210	0.0208	84.1	41.7-155	0.910	21.9	L705933-12	WG728924
Carbon tetrachloride	mg/l	0.0245	0.0245	97.9	55.7-134	0.190	20	L705933-12	WG728924
Chlorobenzene	mg/l	0.0267	0.0269	107.	67-125	0.900	20	L705933-12	WG728924
Chlorodibromomethane	mg/l	0.0253	0.0257	101.	64.3-125	1.81	20.8	L705933-12	WG728924
Chloroethane	mg/l	0.0248	0.0250	99.4	51.5-136	0.660	40	L705933-12	WG728924
Chloroform	mg/l	0.0259	0.0261	104.	63-129	0.910	20	L705933-12	WG728924
Chloromethane	mg/l	0.0244	0.0245	97.5	42.4-135	0.590	20	L705933-12	WG728924
cis-1,2-Dichloroethene	mg/l	0.0287	0.0290	115.	59.2-129	0.980	20	L705933-12	WG728924
cis-1,3-Dichloropropene	mg/l	0.0278	0.0276	111.	66.4-125	0.840	20	L705933-12	WG728924
Di-isopropyl ether	mg/l	0.0283	0.0279	110.	56.9-136	1.41	20	L705933-12	WG728924
Dibromomethane	mg/l	0.0274	0.0277	109.	68.2-124	1.38	20	L705933-12	WG728924
Dichlorodifluoromethane	mg/l	0.0252	0.0246	101.	40.6-144	2.26	20.2	L705933-12	WG728924
Ethylbenzene	mg/l	0.0273	0.0277	104.	61.4-133	1.40	20	L705933-12	WG728924
Hexachloro-1,3-butadiene	mg/l	0.0243	0.0244	97.1	55.1-136	0.530	23.6	L705933-12	WG728924
Isopropylbenzene	mg/l	0.0277	0.0275	108.	66.8-141	0.560	20	L705933-12	WG728924
Methyl tert-butyl ether	mg/l	0.153	0.145	115.	57.7-134	5.36	20	L705933-12	WG728924
Methylene Chloride	mg/l	0.0277	0.0282	110.	58.1-122	1.65	20	L705933-12	WG728924
n-Butylbenzene	mg/l	0.0291	0.0288	116.	62.7-140	0.960	20.3	L705933-12	WG728924
n-Propylbenzene	mg/l	0.0273	0.0272	104.	65.9-131	0.280	20	L705933-12	WG728924
Naphthalene	mg/l	0.0355	0.0346	118.	58-135	2.79	25.5	L705933-12	WG728924
p-Isopropyltoluene	mg/l	0.0270	0.0273	106.	63.2-139	1.27	20.4	L705933-12	WG728924
sec-Butylbenzene	mg/l	0.0274	0.0271	106.	62.2-136	1.10	20.3	L705933-12	WG728924
Styrene	mg/l	0.0270	0.0273	108.	66.8-133	0.820	20	L705933-12	WG728924
tert-Butylbenzene	mg/l	0.0266	0.0265	106.	63.3-134	0.530	21	L705933-12	WG728924
Tetrachloroethene	mg/l	0.0242	0.0240	96.9	53-139	0.750	20	L705933-12	WG728924
Toluene	mg/l	0.0268	0.0270	105.	61.4-130	0.780	20	L705933-12	WG728924
trans-1,2-Dichloroethene	mg/l	0.0286	0.0287	114.	56.5-129	0.600	20	L705933-12	WG728924
trans-1,3-Dichloropropene	mg/l	0.0277	0.0277	111.	64.1-128	0.0700	20	L705933-12	WG728924
Trichloroethene	mg/l	0.0263	0.0267	105.	44.1-149	1.55	20	L705933-12	WG728924
Trichlorofluoromethane	mg/l	0.0228	0.0229	91.1	49.6-145	0.360	21.2	L705933-12	WG728924
Vinyl chloride	mg/l	0.0251	0.0253	100.	47.8-137	0.420	20	L705933-12	WG728924
Xylenes, Total	mg/l	0.0776	0.0786	104.	63.3-131	1.30	20	L705933-12	WG728924
4-Bromofluorobenzene				98.80	71-126				WG728924
Dibromofluoromethane				100.0	78.3-121				WG728924
Toluene-d8				102.0	88.5-111				WG728924
Arsenic	mg/l	0.0608	0.0607	115.	75-125	0.0	20	L706097-04	WG728531
1,1,1,2-Tetrachloroethane	mg/l	0.0258	0.0246	103.	64-128	4.88	20	L706434-10	WG729570
1,1,1-Trichloroethane	mg/l	0.0231	0.0215	92.2	58.7-134	7.14	20	L706434-10	WG729570

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Est. 1970

S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/l	0.0254	0.0261	102.	56-132	2.74	22.2	L706434-10	WG729570
1,1,2-Trichloroethane	mg/l	0.0278	0.0268	111.	66.3-125	3.57	20	L706434-10	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0216	0.0201	86.3	54.8-154	6.94	22.5	L706434-10	WG729570
1,1-Dichloroethane	mg/l	0.0246	0.0230	98.4	58.5-132	6.68	20	L706434-10	WG729570
1,1-Dichloroethene	mg/l	0.0221	0.0203	88.5	51.1-140	8.38	20.2	L706434-10	WG729570
1,1-Dichloropropene	mg/l	0.0235	0.0219	93.8	57.3-136	6.97	20	L706434-10	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0277	0.0272	111.	59.1-138	1.96	23.7	L706434-10	WG729570
1,2,3-Trichloropropane	mg/l	0.0253	0.0259	101.	61.4-128	2.21	22.4	L706434-10	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0249	0.0229	99.6	61.3-122	8.50	20	L706434-10	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0263	0.0246	105.	63.6-143	6.69	21.9	L706434-10	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0243	0.0227	97.3	57.4-137	6.91	20	L706434-10	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0259	0.0267	104.	57.3-136	2.98	27	L706434-10	WG729570
1,2-Dibromoethane	mg/l	0.0271	0.0266	108.	67.1-125	1.96	20	L706434-10	WG729570
1,2-Dichlorobenzene	mg/l	0.0261	0.0241	104.	68.2-123	7.97	20	L706434-10	WG729570
1,2-Dichloroethane	mg/l	0.0223	0.0220	89.4	60-126	1.76	20	L706434-10	WG729570
1,2-Dichloropropane	mg/l	0.0281	0.0257	112.	64.2-123	8.77	20	L706434-10	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0250	0.0230	100.	63.6-132	8.35	20.5	L706434-10	WG729570
1,3-Dichlorobenzene	mg/l	0.0260	0.0239	104.	63.1-131	8.54	20	L706434-10	WG729570
1,3-Dichloropropane	mg/l	0.0292	0.0272	117.	67.9-121	7.06	20	L706434-10	WG729570
1,4-Dichlorobenzene	mg/l	0.0253	0.0231	101.	68.6-123	9.23	20	L706434-10	WG729570
2,2-Dichloropropane	mg/l	0.0190	0.0186	75.8	50.5-144	2.02	21.9	L706434-10	WG729570
2-Butanone (MEK)	mg/l	0.128	0.134	103.	22.4-138	4.53	27	L706434-10	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000620	0.000618	0.496*	10-155	0.300	20	L706434-10	WG729570
2-Chlorotoluene	mg/l	0.0254	0.0236	102.	63.6-128	7.33	20	L706434-10	WG729570
4-Chlorotoluene	mg/l	0.0257	0.0230	103.	65.7-127	11.3	20	L706434-10	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.148	0.160	118.	60.8-140	7.84	25.1	L706434-10	WG729570
Acetone	mg/l	0.0999	0.109	73.4	10-130	8.44	27.9	L706434-10	WG729570
Acrolein	mg/l	0.0667	0.0717	53.4	10-200	7.18	27.7	L706434-10	WG729570
Acrylonitrile	mg/l	0.133	0.143	106.	49.4-133	7.07	25.3	L706434-10	WG729570
Benzene	mg/l	0.0248	0.0229	99.2	54.3-133	8.14	20	L706434-10	WG729570
Bromobenzene	mg/l	0.0250	0.0231	99.8	63.9-124	7.95	20	L706434-10	WG729570
Bromodichloromethane	mg/l	0.0249	0.0235	99.7	63.9-121	5.70	20	L706434-10	WG729570
Bromoform	mg/l	0.0310	0.0307	124.	59.5-134	0.910	20.5	L706434-10	WG729570
Bromomethane	mg/l	0.0194	0.0182	77.4	41.7-155	6.05	21.9	L706434-10	WG729570
Carbon tetrachloride	mg/l	0.0233	0.0219	93.2	55.7-134	5.95	20	L706434-10	WG729570
Chlorobenzene	mg/l	0.0287	0.0262	115.	67-125	9.12	20	L706434-10	WG729570
Chlorodibromomethane	mg/l	0.0290	0.0278	116.	64.3-125	3.98	20.8	L706434-10	WG729570
Chloroethane	mg/l	0.0201	0.0194	80.3	51.5-136	3.20	40	L706434-10	WG729570
Chloroform	mg/l	0.0226	0.0214	90.4	63-129	5.35	20	L706434-10	WG729570
Chloromethane	mg/l	0.0267	0.0252	107.	42.4-135	5.96	20	L706434-10	WG729570
cis-1,2-Dichloroethene	mg/l	0.0239	0.0224	93.5	59.2-129	6.60	20	L706434-10	WG729570
cis-1,3-Dichloropropene	mg/l	0.0278	0.0261	111.	66.4-125	6.31	20	L706434-10	WG729570
Di-isopropyl ether	mg/l	0.0277	0.0264	111.	56.9-136	4.78	20	L706434-10	WG729570
Dibromomethane	mg/l	0.0234	0.0234	93.8	68.2-124	0.320	20	L706434-10	WG729570
Dichlorodifluoromethane	mg/l	0.0192	0.0180	76.8	40.6-144	6.47	20.2	L706434-10	WG729570
Ethylbenzene	mg/l	0.0271	0.0250	108.	61.4-133	8.19	20	L706434-10	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0266	0.0237	106.	55.1-136	11.2	23.6	L706434-10	WG729570
Isopropylbenzene	mg/l	0.0258	0.0235	103.	66.8-141	9.45	20	L706434-10	WG729570
Methyl tert-butyl ether	mg/l	0.0223	0.0220	89.1	57.7-134	1.29	20	L706434-10	WG729570
Methylene Chloride	mg/l	0.0218	0.0208	87.0	58.1-122	4.50	20	L706434-10	WG729570
n-Butylbenzene	mg/l	0.0240	0.0217	96.1	62.7-140	10.1	20.3	L706434-10	WG729570
n-Propylbenzene	mg/l	0.0252	0.0229	101.	65.9-131	9.48	20	L706434-10	WG729570
Naphthalene	mg/l	0.0252	0.0258	101.	58-135	2.22	25.5	L706434-10	WG729570
p-Isopropyltoluene	mg/l	0.0260	0.0239	104.	63.2-139	8.53	20.4	L706434-10	WG729570
sec-Butylbenzene	mg/l	0.0260	0.0241	104.	62.2-136	7.53	20.3	L706434-10	WG729570
Styrene	mg/l	0.0283	0.0261	113.	66.8-133	8.07	20	L706434-10	WG729570
tert-Butylbenzene	mg/l	0.0272	0.0251	109.	63.3-134	8.06	21	L706434-10	WG729570
Tetrachloroethene	mg/l	0.0274	0.0255	110.	53-139	7.29	20	L706434-10	WG729570
Toluene	mg/l	0.0255	0.0237	102.	61.4-130	7.41	20	L706434-10	WG729570

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Quality Assurance Report
Level II

L706111

July 01, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0226	0.0208	90.3	56.5-129	7.99	20	L706434-10	WG729570
trans-1,3-Dichloropropene	mg/l	0.0296	0.0287	118.	64.1-128	3.05	20	L706434-10	WG729570
Trichloroethene	mg/l	0.0258	0.0245	99.7	44.1-149	5.40	20	L706434-10	WG729570
Trichlorofluoromethane	mg/l	0.0241	0.0223	96.2	49.6-145	7.63	21.2	L706434-10	WG729570
Vinyl chloride	mg/l	0.0202	0.0189	80.8	47.8-137	6.64	20	L706434-10	WG729570
Xylenes, Total	mg/l	0.0801	0.0740	107.	63.3-131	7.93	20	L706434-10	WG729570
4-Bromofluorobenzene				97.40	71-126				WG729570
Dibromofluoromethane				88.60	78.3-121				WG729570
Toluene-d8				103.0	88.5-111				WG729570
1,1,1,2-Tetrachloroethane	mg/l	0.0252	0.0239	101.	64-128	4.97	20	L707563-07	WG729570
1,1,1-Trichloroethane	mg/l	0.0226	0.0210	90.3	58.7-134	7.26	20	L707563-07	WG729570
1,1,2,2-Tetrachloroethane	mg/l	0.0268	0.0250	106.	56-132	6.80	22.2	L707563-07	WG729570
1,1,2-Trichloroethane	mg/l	0.0274	0.0263	110.	66.3-125	4.09	20	L707563-07	WG729570
1,1,2-Trichlorotrifluoroethane	mg/l	0.0212	0.0196	84.7	54.8-154	7.78	22.5	L707563-07	WG729570
1,1-Dichloroethane	mg/l	0.0244	0.0231	97.7	58.5-132	5.74	20	L707563-07	WG729570
1,1-Dichloroethene	mg/l	0.0220	0.0203	87.8	51.1-140	7.80	20.2	L707563-07	WG729570
1,1-Dichloropropene	mg/l	0.0235	0.0218	93.8	57.3-136	7.25	20	L707563-07	WG729570
1,2,3-Trichlorobenzene	mg/l	0.0289	0.0267	116.	59.1-138	8.13	23.7	L707563-07	WG729570
1,2,3-Trichloropropane	mg/l	0.0272	0.0250	109.	61.4-128	8.47	22.4	L707563-07	WG729570
1,2,3-Trimethylbenzene	mg/l	0.0244	0.0228	97.5	61.3-122	6.76	20	L707563-07	WG729570
1,2,4-Trichlorobenzene	mg/l	0.0264	0.0243	106.	63.6-143	8.23	21.9	L707563-07	WG729570
1,2,4-Trimethylbenzene	mg/l	0.0236	0.0221	94.4	57.4-137	6.57	20	L707563-07	WG729570
1,2-Dibromo-3-Chloropropane	mg/l	0.0281	0.0258	112.	57.3-136	8.56	27	L707563-07	WG729570
1,2-Dibromoethane	mg/l	0.0276	0.0266	110.	67.1-125	3.74	20	L707563-07	WG729570
1,2-Dichlorobenzene	mg/l	0.0258	0.0240	103.	68.2-123	7.23	20	L707563-07	WG729570
1,2-Dichloroethane	mg/l	0.0231	0.0217	92.4	60-126	6.37	20	L707563-07	WG729570
1,2-Dichloropropane	mg/l	0.0280	0.0259	105.	64.2-123	7.97	20	L707563-07	WG729570
1,3,5-Trimethylbenzene	mg/l	0.0240	0.0225	96.2	63.6-132	6.62	20.5	L707563-07	WG729570
1,3-Dichlorobenzene	mg/l	0.0247	0.0235	98.9	63.1-131	5.23	20	L707563-07	WG729570
1,3-Dichloropropane	mg/l	0.0292	0.0279	117.	67.9-121	4.77	20	L707563-07	WG729570
1,4-Dichlorobenzene	mg/l	0.0257	0.0235	101.	68.6-123	9.04	20	L707563-07	WG729570
2,2-Dichloropropane	mg/l	0.0196	0.0178	78.2	50.5-144	9.19	21.9	L707563-07	WG729570
2-Butanone (MEK)	mg/l	0.137	0.133	110.	22.4-138	3.07	27	L707563-07	WG729570
2-Chloroethyl vinyl ether	mg/l	0.000629	0.000572	0.503*	10-155	9.54	20	L707563-07	WG729570
2-Chlorotoluene	mg/l	0.0243	0.0229	97.3	63.6-128	6.05	20	L707563-07	WG729570
4-Chlorotoluene	mg/l	0.0245	0.0236	98.1	65.7-127	3.65	20	L707563-07	WG729570
4-Methyl-2-pentanone (MIBK)	mg/l	0.161	0.153	128.	60.8-140	4.99	25.1	L707563-07	WG729570
Acetone	mg/l	0.104	0.0944	80.1	10-130	9.94	27.9	L707563-07	WG729570
Acrolein	mg/l	0.0816	0.0727	65.3	10-200	11.6	27.7	L707563-07	WG729570
Acrylonitrile	mg/l	0.144	0.138	115.	49.4-133	4.21	25.3	L707563-07	WG729570
Benzene	mg/l	0.0245	0.0229	98.1	54.3-133	6.74	20	L707563-07	WG729570
Bromobenzene	mg/l	0.0242	0.0228	96.6	63.9-124	5.74	20	L707563-07	WG729570
Bromodichloromethane	mg/l	0.0247	0.0233	98.7	63.9-121	5.84	20	L707563-07	WG729570
Bromoform	mg/l	0.0322	0.0305	129.	59.5-134	5.33	20.5	L707563-07	WG729570
Bromomethane	mg/l	0.0189	0.0181	75.5	41.7-155	4.40	21.9	L707563-07	WG729570
Carbon tetrachloride	mg/l	0.0233	0.0216	93.1	55.7-134	7.34	20	L707563-07	WG729570
Chlorobenzene	mg/l	0.0280	0.0264	110.	67-125	5.95	20	L707563-07	WG729570
Chlorodibromomethane	mg/l	0.0294	0.0272	118.	64.3-125	7.87	20.8	L707563-07	WG729570
Chloroethane	mg/l	0.0206	0.0197	82.4	51.5-136	4.23	40	L707563-07	WG729570
Chloroform	mg/l	0.0224	0.0208	89.7	63-129	7.63	20	L707563-07	WG729570
Chloromethane	mg/l	0.0267	0.0250	107.	42.4-135	6.60	20	L707563-07	WG729570
cis-1,2-Dichloroethene	mg/l	0.0233	0.0218	93.3	59.2-129	6.99	20	L707563-07	WG729570
cis-1,3-Dichloropropene	mg/l	0.0279	0.0267	112.	66.4-125	4.54	20	L707563-07	WG729570
Di-isopropyl ether	mg/l	0.0280	0.0257	112.	56.9-136	8.49	20	L707563-07	WG729570
Dibromomethane	mg/l	0.0247	0.0230	98.7	68.2-124	6.87	20	L707563-07	WG729570
Dichlorodifluoromethane	mg/l	0.0188	0.0173	75.2	40.6-144	8.04	20.2	L707563-07	WG729570
Ethylbenzene	mg/l	0.0263	0.0248	105.	61.4-133	5.88	20	L707563-07	WG729570
Hexachloro-1,3-butadiene	mg/l	0.0260	0.0243	104.	55.1-136	6.81	23.6	L707563-07	WG729570
Isopropylbenzene	mg/l	0.0248	0.0234	99.2	66.8-141	5.82	20	L707563-07	WG729570

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L706111

July 01, 2014

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Methyl tert-butyl ether	mg/l	0.0233	0.0215	93.1	57.7-134	8.13	20	L707563-07	WG729570
Methylene Chloride	mg/l	0.0221	0.0208	88.3	58.1-122	5.76	20	L707563-07	WG729570
n-Butylbenzene	mg/l	0.0239	0.0217	95.5	62.7-140	9.71	20.3	L707563-07	WG729570
n-Propylbenzene	mg/l	0.0243	0.0229	97.0	65.9-131	5.99	20	L707563-07	WG729570
Naphthalene	mg/l	0.0279	0.0256	112.	58-135	8.78	25.5	L707563-07	WG729570
p-Isopropyltoluene	mg/l	0.0254	0.0239	101.	63.2-139	6.12	20.4	L707563-07	WG729570
sec-Butylbenzene	mg/l	0.0254	0.0238	102.	62.2-136	6.73	20.3	L707563-07	WG729570
Styrene	mg/l	0.0276	0.0259	110.	66.8-133	6.44	20	L707563-07	WG729570
tert-Butylbenzene	mg/l	0.0264	0.0247	106.	63.3-134	6.68	21	L707563-07	WG729570
Tetrachloroethene	mg/l	0.0256	0.0241	102.	53-139	6.36	20	L707563-07	WG729570
Toluene	mg/l	0.0250	0.0239	100.	61.4-130	4.64	20	L707563-07	WG729570
trans-1,2-Dichloroethene	mg/l	0.0222	0.0208	89.0	56.5-129	6.89	20	L707563-07	WG729570
trans-1,3-Dichloropropene	mg/l	0.0302	0.0294	121.	64.1-128	2.80	20	L707563-07	WG729570
Trichloroethene	mg/l	0.0251	0.0232	100.	44.1-149	7.73	20	L707563-07	WG729570
Trichlorofluoromethane	mg/l	0.0237	0.0224	94.8	49.6-145	5.65	21.2	L707563-07	WG729570
Vinyl chloride	mg/l	0.0202	0.0190	81.0	47.8-137	6.15	20	L707563-07	WG729570
Xylenes, Total	mg/l	0.0775	0.0725	103.	63.3-131	6.68	20	L707563-07	WG729570
4-Bromofluorobenzene				95.70	71-126				WG729570
Dibromofluoromethane				88.20	78.3-121				WG729570
Toluene-d8				103.0	88.5-111				WG729570

Post Spike

Serial Dilution

Batch number /Run number / Sample number cross reference

WG727902: R2947165: L706111-01 02 03 04 05 06 08
WG727090: R2947565: L706111-01 02
WG727771: R2947645 R2948925: L706111-03 05 08
WG727919: R2948065: L706111-08
WG728409: R2948966 R2949949: L706111-01 02 04 06
WG727917: R2949466: L706111-01 02 04 05 06 07
WG728445: R2949749 R2949929 R2951307: L706111-03 04 05 06 08
WG728679: R2949789: L706111-08
WG728167: R2949905 R2950086: L706111-01 02 03 04 05 06 08
WG728454: R2950167 R2950254: L706111-01 02 03 04 05 06 08

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L706111

July 01, 2014

WG728273: R2950445: L706111-03 04 05 08
WG728871: R2950629: L706111-02
WG728924: R2950749: L706111-03
WG728444: R2950806: L706111-02
WG728531: R2951269: L706111-01 02 03 04 05 06 08
WG728625: R2951308 R2952525: L706111-01
WG729570: R2953407: L706111-08

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L706111

July 01, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Former Sanitary Laundry Property

City/State Collected: Knoxville, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): Ralph L. Russell

Site/Facility ID #

P.O. #

Collected by (signature): Ralph L Russell

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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Phone: 800-767-5859
Fax: 615-758-5859

L# L706111
D014

Acctnum: SME
Template: T90986
Prelogin: P472528
TSR: 690 - Tom Mellette
PB: 6-10-14
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	8082 100ml Amb-NoPres	EPHTN 100ml Amb-HCl <2	GROTN 40mlAmb HCl	PAHSIMLVI 40mlAmb-NoPres-WT	RCRA8 Metals 500mlHDPE-HNO3 <2	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk				Rem./Contaminant	Sample # (lab only)
~~MW-~~ PZ-4	G	GW	—	6-20-14	1104	12	X	X	X	X	X	X						07
~~MW-~~ PZ-7	|	GW	—	6-19-14	1453	12	X	X	X	X	X	X						02
~~MW-~~ PZ-9	|	GW	—	6-19-14	1320	12	X	X	X	X	X	X						03
~~MW-~~ PZ-12	|	GW	—	6-19-14	1245	12	X	X	X	X	X	X						04
MW-1	|	GW	—	6-19-14	1400	12	X	X	X	X	X	X						05
MW-2	|	GW	—	6-20-14	1022	12	X	X	X	X	X	X						06
~~MW-~~		GW				12	X	X	X	X	X	X						
~~MW-~~		GW				12	X	X	X	X	X	X						
~~MW-~~ TRIP BLANK	—	GW	—	6-20-14	—	~~12~~ 2	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X					07
FIELD DUPLICATE	G	GW	—	6-19-14	—	12	X	X	X	X	X	X						08

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

~~Remarks: Please indicate Matrix Spike / Marcix Spike Dup Site On CoFC~~

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Ralph L Russell	6-20-14	14:10	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
	6-20-14	17:00	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ Corp

Temp: 3.1 °C Bottles Received: 86

Date: 6/21/14 Time: 0700

Condition: ✓ (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: ✓

NCF:

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Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Monday July 14, 2014

Report Number: L708669
Samples Received: 07/08/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-01

Sample ID : SG-1 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:20

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.1	3.5	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.040	0.25	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.071	0.35	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.052	0.21	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.34	1.5	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	310	2100	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.2	6.5	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.18	0.96	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< **0.070**	TO-15	**07/11/14**	1
1,4-Bromofluorobenzene	460-00-4				135	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-02

Sample ID : SG-2 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:30

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.0	3.2	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.25	1.6	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.060	0.29	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.13	0.52	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.47	2.0	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	1100	7500	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.20	1.1	3.7	20.	TO-15	07/13/14	10
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-03

Sample ID : SG-3 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 08:38

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.50	1.6	34.	110	TO-15	07/13/14	25
Carbon tetrachloride	56-23-5	154	0.50	3.1	< 0.50	< 3.1	TO-15	07/13/14	25
Chloroethane	75-00-3	64.5	1.0	2.6	5.4	14.	TO-15	07/13/14	25
Chloroform	67-66-3	119	0.50	2.4	8.0	39.	TO-15	07/13/14	25
Chloromethane	74-87-3	50.5	0.75	1.5	< 0.75	< 1.5	TO-15	07/13/14	25
1,2-Dibromoethane	106-93-4	188	0.50	3.8	< 0.50	< 3.8	TO-15	07/13/14	25
1,4-Dichlorobenzene	106-46-7	147	0.50	3.0	< 0.50	< 3.0	TO-15	07/13/14	25
1,1-Dichloroethane	75-34-3	98	0.50	2.0	19.	76.	TO-15	07/13/14	25
1,1-Dichloroethene	75-35-4	96.9	20.	79.	160	630	TO-15	07/13/14	1000
cis-1,2-Dichloroethene	156-59-2	96.9	320	1300	5400	21000	TO-15	07/13/14	16000
trans-1,2-Dichloroethene	156-60-5	96.9	20.	79.	120	480	TO-15	07/13/14	1000
1,2-Dichloropropane	78-87-5	113	0.75	3.5	< 0.75	< 3.5	TO-15	07/13/14	25
cis-1,3-Dichloropropene	10061-01-5	111	0.50	2.3	< 0.50	< 2.3	TO-15	07/13/14	25
trans-1,3-Dichloropropene	10061-02-6	111	0.75	3.4	< 0.75	< 3.4	TO-15	07/13/14	25
Ethylbenzene	100-41-4	106	0.75	3.3	< 0.75	< 3.3	TO-15	07/13/14	25
1,1,2,2-Tetrachloroethane	79-34-5	168	0.50	3.4	< 0.50	< 3.4	TO-15	07/13/14	25
Tetrachloroethylene	127-18-4	166	320	2200	10000	68000	TO-15	07/13/14	16000
1,1,1-Trichloroethane	71-55-6	133	0.50	2.7	< 0.50	< 2.7	TO-15	07/13/14	25
1,1,2-Trichloroethane	79-00-5	133	0.75	4.1	< 0.75	< 4.1	TO-15	07/13/14	25
Trichloroethylene	79-01-6	131	20.	110	1900	10000	TO-15	07/13/14	1000
Vinyl chloride	75-01-4	62.5	20.	51.	260	660	TO-15	07/13/14	1000
Vinyl acetate	108-05-4	86.1	0.50	1.8	< 0.50	< 1.8	TO-15	07/13/14	25
1,4-Bromofluorobenzene	460-00-4				100	% Rec.	TO-15	07/13/14	25

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-04

Sample ID : SG-4 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 10:20

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.26	0.83	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.18	1.1	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.47	2.3	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.99	3.9	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.042	0.17	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	< 0.030	< 0.13	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	80.	540	2300	16000	TO-15	07/13/14	4000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	0.080	0.44	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.50	2.7	19.	100	TO-15	07/13/14	25
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				124	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-05

Sample ID : SG-5 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 10:26

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.16	0.51	2.9	9.3	TO-15	07/13/14	8
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.086	0.54	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.069	0.34	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	1.0	4.3	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	16.	110	1300	8800	TO-15	07/13/14	800
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.33	1.8	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				124	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : SG-6 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 11:00

ESC Sample # : L708669-06

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.86	2.7	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.024	0.15	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.035	0.17	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	1.1	4.8	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	850	5800	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	0.81	4.4	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.48	2.6	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

ESC Sample # : L708669-07

Sample ID : SG-7 3FT

Site ID :

Collected By : N. Peterson
Collection Date : 07/03/14 11:06

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.13	0.42	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.068	0.33	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.077	0.31	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.057	0.25	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	50.	340	820	5600	TO-15	07/13/14	2500
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.7	9.2	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.40	2.1	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				134	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

ESC Sample # : L708669-08

Site ID :

Project # : 1434-11-392-007

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : SG-8 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 11:08

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.3	4.2	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	1.3	8.2	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.50	2.4	9.8	48.	TO-15	07/13/14	25
Chloromethane	74-87-3	50.5	0.030	0.062	0.48	0.99	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	0.12	0.48	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	40.	160	320	1300	TO-15	07/13/14	2000
trans-1,2-Dichloroethene	156-60-5	96.9	0.50	2.0	48.	190	TO-15	07/13/14	25
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.59	2.6	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	1600	11000	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	40.	210	330	1800	TO-15	07/13/14	2000
Vinyl chloride	75-01-4	62.5	0.020	0.051	0.12	0.31	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

July 14, 2014

Date Received : July 08, 2014
Description : Former Sanitary Laundry Property

Sample ID : DUPLICATE 3FT

Collected By : N. Peterson
Collection Date : 07/03/14 00:00

ESC Sample # : L708669-09

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	07/11/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13	TO-15	07/11/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	07/11/14	1
Chloroform	67-66-3	119	0.020	0.097	0.069	0.34	TO-15	07/11/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	07/11/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	07/11/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	07/11/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	07/11/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.088	0.35	TO-15	07/11/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	07/11/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	07/11/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	07/11/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.068	0.29	TO-15	07/11/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	07/11/14	1
Tetrachloroethylene	127-18-4	166	40.	270	760	5200	TO-15	07/13/14	2000
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	1.8	9.8	TO-15	07/11/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	07/11/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.51	2.7	TO-15	07/11/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	07/11/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	07/11/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	07/11/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.
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.
Reported: 07/14/14 11:55 Printed: 07/14/14 11:55

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L708669-05	WG731181	SAMP	Carbon tetrachloride	R2960310	**
	WG731410	SAMP	Tetrachloroethylene	R2960525	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/14/14 at 11:55:57

TSR Signing Reports: 690
R5 - Desired TAT

GW Arsenic needs ASG

Sample: L708669-01 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-02 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-03 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-04 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-05 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-06 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-07 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-08 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

Sample: L708669-09 Account: SME Received: 07/08/14 07:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 11:55

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July 14, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1-Trichloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1,2,2-Tetrachloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1,2-Trichloroethane	< .03	ppb			WG731181	07/11/14 08:37
1,1-Dichloroethane	< .02	ppb			WG731181	07/11/14 08:37
1,1-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
1,2-Dibromoethane	< .02	ppb			WG731181	07/11/14 08:37
1,2-Dichloropropane	< .03	ppb			WG731181	07/11/14 08:37
1,4-Dichlorobenzene	< .02	ppb			WG731181	07/11/14 08:37
Benzene	< .02	ppb			WG731181	07/11/14 08:37
Carbon tetrachloride	< .02	ppb			WG731181	07/11/14 08:37
Chloroethane	< .04	ppb			WG731181	07/11/14 08:37
Chloroform	< .02	ppb			WG731181	07/11/14 08:37
Chloromethane	< .03	ppb			WG731181	07/11/14 08:37
cis-1,2-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
cis-1,3-Dichloropropene	< .02	ppb			WG731181	07/11/14 08:37
Ethylbenzene	< .03	ppb			WG731181	07/11/14 08:37
trans-1,2-Dichloroethene	< .02	ppb			WG731181	07/11/14 08:37
trans-1,3-Dichloropropene	< .03	ppb			WG731181	07/11/14 08:37
Trichloroethylene	< .02	ppb			WG731181	07/11/14 08:37
Vinyl acetate	< .02	ppb			WG731181	07/11/14 08:37
Vinyl chloride	< .02	ppb			WG731181	07/11/14 08:37
1,4-Bromofluorobenzene		% Rec.	103.0	60-140	WG731181	07/11/14 08:37
1,1,1-Trichloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1,2,2-Tetrachloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1,2-Trichloroethane	< .03	ppb			WG731410	07/12/14 22:04
1,1-Dichloroethane	< .02	ppb			WG731410	07/12/14 22:04
1,1-Dichloroethene	< .02	ppb			WG731410	07/12/14 22:04
1,2-Dibromoethane	< .02	ppb			WG731410	07/12/14 22:04
1,2-Dichloropropane	< .03	ppb			WG731410	07/12/14 22:04
1,4-Dichlorobenzene	< .02	ppb			WG731410	07/12/14 22:04
Benzene	< .02	ppb			WG731410	07/12/14 22:04
Carbon tetrachloride	< .02	ppb			WG731410	07/12/14 22:04
Chloroethane	< .04	ppb			WG731410	07/12/14 22:04
Chloroform	< .02	ppb			WG731410	07/12/14 22:04
Chloromethane	< .03	ppb			WG731410	07/12/14 22:04
cis-1,3-Dichloropropene	< .02	ppb			WG731410	07/12/14 22:04
Ethylbenzene	< .03	ppb			WG731410	07/12/14 22:04
Tetrachloroethylene	< .02	ppb			WG731410	07/12/14 22:04
trans-1,2-Dichloroethene	< .02	ppb			WG731410	07/12/14 22:04
trans-1,3-Dichloropropene	< .03	ppb			WG731410	07/12/14 22:04
Trichloroethylene	< .02	ppb			WG731410	07/12/14 22:04
Vinyl acetate	< .02	ppb			WG731410	07/12/14 22:04
Vinyl chloride	< .02	ppb			WG731410	07/12/14 22:04
1,4-Bromofluorobenzene		% Rec.	97.70	60-140	WG731410	07/12/14 22:04
cis-1,2-Dichloroethene	< .02	ppb			WG731478	07/13/14 11:44
Tetrachloroethylene	< .02	ppb			WG731478	07/13/14 11:44
Trichloroethylene	< .02	ppb			WG731478	07/13/14 11:44
1,4-Bromofluorobenzene		% Rec.	90.20	60-140	WG731478	07/13/14 11:44

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	.5	0.479	95.9	70-130	WG731181
1,1,2,2-Tetrachloroethane	ppb	.5	0.518	104.	70-130	WG731181
1,1,2-Trichloroethane	ppb	.5	0.499	99.7	70-130	WG731181

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Louisville, TN 37777

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July 14, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1-Dichloroethane	ppb	.5	0.451	90.2	70-130	WG731181
1,1-Dichloroethene	ppb	.5	0.442	88.4	70-130	WG731181
1,2-Dibromoethane	ppb	.5	0.495	99.0	70-130	WG731181
1,2-Dichloropropane	ppb	.5	0.477	95.5	70-130	WG731181
1,4-Dichlorobenzene	ppb	.5	0.514	103.	70-130	WG731181
Benzene	ppb	.5	0.504	101.	70-130	WG731181
Carbon tetrachloride	ppb	.5	0.496	99.1	70-130	WG731181
Chloroethane	ppb	.5	0.468	93.7	70-130	WG731181
Chloroform	ppb	.5	0.463	92.6	70-130	WG731181
Chloromethane	ppb	.5	0.400	80.0	70-130	WG731181
cis-1,2-Dichloroethene	ppb	.5	0.442	88.4	70-130	WG731181
cis-1,3-Dichloropropene	ppb	.5	0.460	92.0	70-130	WG731181
Ethylbenzene	ppb	.5	0.505	101.	70-130	WG731181
trans-1,2-Dichloroethene	ppb	.5	0.445	89.0	70-130	WG731181
trans-1,3-Dichloropropene	ppb	.5	0.481	96.2	70-130	WG731181
Trichloroethylene	ppb	.5	0.502	100.	70-130	WG731181
Vinyl acetate	ppb	.5	0.385	77.1	70-130	WG731181
Vinyl chloride	ppb	.5	0.405	81.0	70-130	WG731181
1,4-Bromofluorobenzene				101.0	60-140	WG731181
1,1,1-Trichloroethane	ppb	.5	0.410	82.0	70-130	WG731410
1,1,2,2-Tetrachloroethane	ppb	.5	0.390	78.0	70-130	WG731410
1,1,2-Trichloroethane	ppb	.5	0.420	84.0	70-130	WG731410
1,1-Dichloroethane	ppb	.5	0.424	84.7	70-130	WG731410
1,1-Dichloroethene	ppb	.5	0.425	85.0	70-130	WG731410
1,2-Dibromoethane	ppb	.5	0.416	83.1	70-130	WG731410
1,2-Dichloropropane	ppb	.5	0.419	83.7	70-130	WG731410
1,4-Dichlorobenzene	ppb	.5	0.418	83.6	70-130	WG731410
Benzene	ppb	.5	0.386	77.2	70-130	WG731410
Carbon tetrachloride	ppb	.5	0.411	82.2	70-130	WG731410
Chloroethane	ppb	.5	0.433	86.6	70-130	WG731410
Chloroform	ppb	.5	0.422	84.4	70-130	WG731410
Chloromethane	ppb	.5	0.431	86.2	70-130	WG731410
cis-1,3-Dichloropropene	ppb	.5	0.419	83.7	70-130	WG731410
Ethylbenzene	ppb	.5	0.378	75.6	70-130	WG731410
Tetrachloroethylene	ppb	.5	0.336	67.3*	70-130	WG731410
trans-1,2-Dichloroethene	ppb	.5	0.421	84.3	70-130	WG731410
trans-1,3-Dichloropropene	ppb	.5	0.433	86.5	70-130	WG731410
Trichloroethylene	ppb	.5	0.381	76.3	70-130	WG731410
Vinyl acetate	ppb	.5	0.488	97.6	70-130	WG731410
Vinyl chloride	ppb	.5	0.419	83.8	70-130	WG731410
1,4-Bromofluorobenzene				103.0	60-140	WG731410
cis-1,2-Dichloroethene	ppb	.5	0.461	92.2	70-130	WG731478
Tetrachloroethylene	ppb	.5	0.389	77.9	70-130	WG731478
Trichloroethylene	ppb	.5	0.435	87.0	70-130	WG731478
1,4-Bromofluorobenzene				108.0	60-140	WG731478

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1-Trichloroethane	ppb	0.493	0.479	99.0	70-130	2.89	25	WG731181
1,1,2,2-Tetrachloroethane	ppb	0.533	0.518	107.	70-130	2.97	25	WG731181
1,1,2-Trichloroethane	ppb	0.531	0.499	106.	70-130	6.27	25	WG731181
1,1-Dichloroethane	ppb	0.469	0.451	94.0	70-130	3.90	25	WG731181
1,1-Dichloroethene	ppb	0.488	0.442	98.0	70-130	9.94	25	WG731181
1,2-Dibromoethane	ppb	0.518	0.495	104.	70-130	4.55	25	WG731181

* Performance of this Analyte is outside of established criteria.
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Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dichloropropane	ppb	0.502	0.477	100.	70-130	5.06	25	WG731181
1,4-Dichlorobenzene	ppb	0.523	0.514	104.	70-130	1.60	25	WG731181
Benzene	ppb	0.533	0.504	107.	70-130	5.55	25	WG731181
Carbon tetrachloride	ppb	0.511	0.496	102.	70-130	2.95	25	WG731181
Chloroethane	ppb	0.505	0.468	101.	70-130	7.53	25	WG731181
Chloroform	ppb	0.480	0.463	96.0	70-130	3.61	25	WG731181
Chloromethane	ppb	0.476	0.400	95.0	70-130	17.4	25	WG731181
cis-1,2-Dichloroethene	ppb	0.466	0.442	93.0	70-130	5.33	25	WG731181
cis-1,3-Dichloropropene	ppb	0.491	0.460	98.0	70-130	6.57	25	WG731181
Ethylbenzene	ppb	0.532	0.505	106.	70-130	5.27	25	WG731181
trans-1,2-Dichloroethene	ppb	0.469	0.445	94.0	70-130	5.25	25	WG731181
trans-1,3-Dichloropropene	ppb	0.508	0.481	102.	70-130	5.57	25	WG731181
Trichloroethylene	ppb	0.519	0.502	104.	70-130	3.38	25	WG731181
Vinyl acetate	ppb	0.417	0.385	83.0	70-130	7.93	25	WG731181
Vinyl chloride	ppb	0.462	0.405	92.0	70-130	13.1	25	WG731181
1,4-Bromofluorobenzene				106.0	60-140			WG731181
1,1,1-Trichloroethane	ppb	0.423	0.410	84.0	70-130	3.16	25	WG731410
1,1,2,2-Tetrachloroethane	ppb	0.478	0.390	96.0	70-130	20.2	25	WG731410
1,1,2-Trichloroethane	ppb	0.468	0.420	94.0	70-130	11.0	25	WG731410
1,1-Dichloroethane	ppb	0.442	0.424	88.0	70-130	4.36	25	WG731410
1,1-Dichloroethene	ppb	0.413	0.425	82.0	70-130	2.99	25	WG731410
1,2-Dibromoethane	ppb	0.487	0.416	97.0	70-130	15.8	25	WG731410
1,2-Dichloropropane	ppb	0.469	0.419	94.0	70-130	11.3	25	WG731410
1,4-Dichlorobenzene	ppb	0.526	0.418	105.	70-130	23.0	25	WG731410
Benzene	ppb	0.458	0.386	92.0	70-130	17.1	25	WG731410
Carbon tetrachloride	ppb	0.415	0.411	83.0	70-130	0.930	25	WG731410
Chloroethane	ppb	0.415	0.433	83.0	70-130	4.17	25	WG731410
Chloroform	ppb	0.443	0.422	89.0	70-130	4.93	25	WG731410
Chloromethane	ppb	0.409	0.431	82.0	70-130	5.22	25	WG731410
cis-1,3-Dichloropropene	ppb	0.484	0.419	97.0	70-130	14.5	25	WG731410
Ethylbenzene	ppb	0.461	0.378	92.0	70-130	19.9	25	WG731410
Tetrachloroethylene	ppb	0.395	0.336	79.0	70-130	15.9	25	WG731410
trans-1,2-Dichloroethene	ppb	0.416	0.421	83.0	70-130	1.29	25	WG731410
trans-1,3-Dichloropropene	ppb	0.502	0.433	100.	70-130	14.8	25	WG731410
Trichloroethylene	ppb	0.456	0.381	91.0	70-130	17.9	25	WG731410
Vinyl acetate	ppb	0.471	0.488	94.0	70-130	3.58	25	WG731410
Vinyl chloride	ppb	0.403	0.419	81.0	70-130	3.83	25	WG731410
1,4-Bromofluorobenzene				103.0	60-140			WG731410
cis-1,2-Dichloroethene	ppb	0.440	0.461	88.0	70-130	4.57	25	WG731478
Tetrachloroethylene	ppb	0.391	0.389	78.0	70-130	0.470	25	WG731478
Trichloroethylene	ppb	0.447	0.435	89.0	70-130	2.79	25	WG731478
1,4-Bromofluorobenzene				98.00	60-140			WG731478

Batch number /Run number / Sample number cross reference

WG731181: R2960310: L708669-01 02 04 05 06 07 08 09
WG731410: R2960525: L708669-02 03 04 05
WG731478: R2960965: L708669-01 02 03 04 06 07 08 09

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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July 14, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Louisville, TN 37777

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: SANITARY LAUNDRY

City/State Collected: KNOXVILLE, TN

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): [signature]

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L708664

L018

Acctnum: SME
Template: T90990
Prelogin: P472532
TSR: 690 - Tom Mellette
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
SG-1	G	Air	3.0	7-3-14	0820	1	X	-01	
SG-2	G	Air	3.0	7-3-14	0830	1	X	-02	
SG-3	G	Air	3.0	7-3-14	0838	1	X	-03	
SG-4	G	Air	3.0	7-3-14	1020	1	X	-04	
SG-5	G	Air	3.0	7-3-14	1026	1	X	-05	
SG-6	G	AIR	3.0	7-3-14	1100	1	X	-06	
SG-7	G	AIR	3.0	7-3-14	1106	1	X	-07	
SG-8	G	AIR	3.0	7-3-14	1108	1	X	-08	
Duplicate	G	AIR	3.0	7-3-14	xxxx	1	X	-09	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ Cont.	Condition: OK (lab use only) TDI
[signature]	7/7/14	15:40	[signature]		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 Mb, °C Bottles Received: 9 Summa 11 FC	COC Seal Intact: ✓ Y ___N ___NA
[signature]	7-7-14	17:00	Received for lab by: (Signature) [signature]	Date: 7-8-14 Time: 2 empty 0700	pH Checked: NCF:

S&ME Inc. - Knoxville

1413 Topside Rd
Louisville, TN 37777

Billing Information:
Accounts Payable
1413 Topside Rd
Louisville, TN 37777

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Phone: 800-767-5859
Fax: 615-758-5859

Report to: Nathan Peterson

Email To: npeterson@smeinc.com

Project Description: Sanitary Laundry

City/State Collected: Knoxville, TN

L# L704865

K119

Phone: 865-970-0003
Fax: 865-970-2312

Client Project # 1434-11-392-007

Lab Project # SME-143411392

Collected by (print): MATT DeVOE

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on ice N ✓ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X___Yes
FAX? ___No ___Yes

Acctnum: SME
Template: T90990 6/10/14
Prelogin: P472532
TSR: 690 - Tom Mellette
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	TO-15SIM Summa	Rem./Contaminant	Sample # (lab only)
AA-1	G	Air		6/12/14	1618	1	X		-01
AA-2		Air		"	1619	1	X		-02
AA-3		Air		"	1620	1	X		-03
AA-4		Air		6/13/14	1614	1	X		-04
AA-5		Air			1613	1	X		-05
AA-6		Air			1612	1	X		-06
AA-7		Air			1620	1	X		-07
AA-8		Air			1621	1	X		-08
		Air				1	X		
		Air				1	X		

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ Cold	Condition: (lab use only)
	6/13/14	1700			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: amb °C Bottles Received: 8+8tc	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date: 6-13-14	Time: 17:00	Received for lab by: (Signature)	Date: 6-14-14 Time: 0900	pH Checked: NCF:

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Tax I.D. 62-0814289

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Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

Report Summary

Wednesday June 18, 2014

Report Number: L704865
Samples Received: 06/14/14
Client Project: 1434-11-392-007

Description: Former Sanitary Laundry Property

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-01

Site ID :

Project # : 1434-11-392-007

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-1

Collected By : Mat Devoe
Collection Date : 06/12/14 16:18

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.075	0.47	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.20	0.97	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.64	1.3	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	0.020	0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.64	2.5	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.021	0.083	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.74	3.2	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.16	1.1	4.8	33.	TO-15	06/18/14	8
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.89	4.8	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				113	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-2

Collected By : Mat Devoe
Collection Date : 06/12/14 16:19

ESC Sample # : L704865-02

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.14	0.45	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.065	0.32	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.55	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.80	3.2	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	0.026	0.10	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.59	2.6	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.16	1.1	6.8	46.	TO-15	06/18/14	8
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	1.2	6.4	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				96.4	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-3

Collected By : Mat Devoe
Collection Date : 06/12/14 16:20

ESC Sample # : L704865-03

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.12	0.38	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.046	0.22	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.53	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.31	1.2	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.16	0.69	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.080	0.54	2.5	17.	TO-15	06/18/14	4
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.43	2.3	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				112	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-04

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : AA-4

Project # : 1434-11-392-007

Collected By : Mat Devoe
Collection Date : 06/13/14 16:14

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.27	0.86	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.073	0.46	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.037	0.18	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.50	1.0	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.026	0.10	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.20	0.87	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.070	0.48	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				114	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

ESC Sample # : L704865-05

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Site ID :

Sample ID : AA-5

Project # : 1434-11-392-007

Collected By : Mat Devoe
Collection Date : 06/13/14 16:13

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.26	0.83	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.027	0.13	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.50	1.0	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.035	0.14	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.22	0.95	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.063	0.43	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				122	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-6

Collected By : Mat Devoe
Collection Date : 06/13/14 16:12

ESC Sample # : L704865-06

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.31	0.99	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.067	0.42	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.025	0.12	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.51	1.1	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.38	1.6	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.072	0.49	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				101	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-7

Collected By : Mat Devoe
Collection Date : 06/13/14 16:20

ESC Sample # : L704865-07

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.16	0.51	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.066	0.42	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.021	0.10	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.44	0.91	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	0.037	0.15	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.083	0.36	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.083	0.56	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.032	0.17	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				115	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Nathan Peterson
S&ME Inc. - Knoxville
1413 Topside Rd
Louisville, TN 37777

June 18, 2014

Date Received : June 14, 2014
Description : Former Sanitary Laundry Property

Sample ID : AA-8

Collected By : Mat Devoe
Collection Date : 06/13/14 16:24

ESC Sample # : L704865-08

Site ID :

Project # : 1434-11-392-007

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.47	1.5	TO-15	06/17/14	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.068	0.43	TO-15	06/17/14	1
Chloroethane	75-00-3	64.5	0.040	0.11	< 0.040	< 0.11	TO-15	06/17/14	1
Chloroform	67-66-3	119	0.020	0.097	0.022	0.11	TO-15	06/17/14	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.46	0.95	TO-15	06/17/14	1
1,2-Dibromoethane	106-93-4	188	0.020	0.15	< 0.020	< 0.15	TO-15	06/17/14	1
1,4-Dichlorobenzene	106-46-7	147	0.020	0.12	< 0.020	< 0.12	TO-15	06/17/14	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	06/17/14	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	06/17/14	1
1,2-Dichloropropane	78-87-5	113	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.020	0.091	< 0.020	< 0.091	TO-15	06/17/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.030	0.14	< 0.030	< 0.14	TO-15	06/17/14	1
Ethylbenzene	100-41-4	106	0.030	0.13	0.13	0.56	TO-15	06/17/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.020	0.14	< 0.020	< 0.14	TO-15	06/17/14	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.36	2.4	TO-15	06/17/14	1
1,1,1-Trichloroethane	71-55-6	133	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
1,1,2-Trichloroethane	79-00-5	133	0.030	0.16	< 0.030	< 0.16	TO-15	06/17/14	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	06/17/14	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	06/17/14	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	06/17/14	1
1,4-Bromofluorobenzene	460-00-4				99.5	% Rec.	TO-15	06/17/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L704865

June 18, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1-Trichloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1,2,2-Tetrachloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1,2-Trichloroethane	< .03	ppb			WG726831	06/17/14 09:11
1,1-Dichloroethane	< .02	ppb			WG726831	06/17/14 09:11
1,1-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
1,2-Dibromoethane	< .02	ppb			WG726831	06/17/14 09:11
1,2-Dichloropropane	< .03	ppb			WG726831	06/17/14 09:11
1,4-Dichlorobenzene	< .02	ppb			WG726831	06/17/14 09:11
Benzene	< .02	ppb			WG726831	06/17/14 09:11
Carbon tetrachloride	< .02	ppb			WG726831	06/17/14 09:11
Chloroethane	< .04	ppb			WG726831	06/17/14 09:11
Chloroform	< .02	ppb			WG726831	06/17/14 09:11
Chloromethane	< .03	ppb			WG726831	06/17/14 09:11
cis-1,2-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
cis-1,3-Dichloropropene	< .02	ppb			WG726831	06/17/14 09:11
Ethylbenzene	< .03	ppb			WG726831	06/17/14 09:11
Tetrachloroethylene	< .02	ppb			WG726831	06/17/14 09:11
trans-1,2-Dichloroethene	< .02	ppb			WG726831	06/17/14 09:11
trans-1,3-Dichloropropene	< .03	ppb			WG726831	06/17/14 09:11
Trichloroethylene	< .02	ppb			WG726831	06/17/14 09:11
Vinyl acetate	< .02	ppb			WG726831	06/17/14 09:11
Vinyl chloride	< .02	ppb			WG726831	06/17/14 09:11
1,4-Bromofluorobenzene		% Rec.	100.0	60-140	WG726831	06/17/14 09:11

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	.5	0.439	87.8	70-130	WG726831
1,1,2,2-Tetrachloroethane	ppb	.5	0.429	85.8	70-130	WG726831
1,1,2-Trichloroethane	ppb	.5	0.468	93.5	70-130	WG726831
1,1-Dichloroethane	ppb	.5	0.445	89.0	70-130	WG726831
1,1-Dichloroethene	ppb	.5	0.425	85.0	70-130	WG726831
1,2-Dibromoethane	ppb	.5	0.480	96.0	70-130	WG726831
1,2-Dichloropropane	ppb	.5	0.450	90.0	70-130	WG726831
1,4-Dichlorobenzene	ppb	.5	0.423	84.7	70-130	WG726831
Benzene	ppb	.5	0.432	86.4	70-130	WG726831
Carbon tetrachloride	ppb	.5	0.438	87.6	70-130	WG726831
Chloroethane	ppb	.5	0.444	88.7	70-130	WG726831
Chloroform	ppb	.5	0.449	89.9	70-130	WG726831
Chloromethane	ppb	.5	0.443	88.6	70-130	WG726831
cis-1,2-Dichloroethene	ppb	.5	0.453	90.6	70-130	WG726831
cis-1,3-Dichloropropene	ppb	.5	0.456	91.2	70-130	WG726831
Ethylbenzene	ppb	.5	0.430	85.9	70-130	WG726831
Tetrachloroethylene	ppb	.5	0.434	86.9	70-130	WG726831
trans-1,2-Dichloroethene	ppb	.5	0.428	85.5	70-130	WG726831
trans-1,3-Dichloropropene	ppb	.5	0.486	97.2	70-130	WG726831
Trichloroethylene	ppb	.5	0.424	84.9	70-130	WG726831
Vinyl acetate	ppb	.5	0.485	97.0	70-130	WG726831
Vinyl chloride	ppb	.5	0.411	82.1	70-130	WG726831
1,4-Bromofluorobenzene				112.0	60-140	WG726831

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1-Trichloroethane	ppb	0.494	0.439	99.0	70-130	11.8	25	WG726831
1,1,2,2-Tetrachloroethane	ppb	0.520	0.429	104.	70-130	19.3	25	WG726831
1,1,2-Trichloroethane	ppb	0.525	0.468	105.	70-130	11.7	25	WG726831
1,1-Dichloroethane	ppb	0.498	0.445	100.	70-130	11.3	25	WG726831
1,1-Dichloroethene	ppb	0.472	0.425	94.0	70-130	10.6	25	WG726831

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Tax I.D. 62-0814289

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S&ME Inc. - Knoxville
Nathan Peterson
1413 Topside Rd

Louisville, TN 37777

Quality Assurance Report
Level II

L704865

June 18, 2014

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dibromoethane	ppb	0.520	0.480	104.	70-130	8.06	25	WG726831
1,2-Dichloropropane	ppb	0.528	0.450	106.	70-130	15.9	25	WG726831
1,4-Dichlorobenzene	ppb	0.477	0.423	95.0	70-130	11.9	25	WG726831
Benzene	ppb	0.510	0.432	102.	70-130	16.5	25	WG726831
Carbon tetrachloride	ppb	0.492	0.438	98.0	70-130	11.6	25	WG726831
Chloroethane	ppb	0.499	0.444	100.	70-130	11.7	25	WG726831
Chloroform	ppb	0.498	0.449	100.	70-130	10.3	25	WG726831
Chloromethane	ppb	0.485	0.443	97.0	70-130	9.09	25	WG726831
cis-1,2-Dichloroethene	ppb	0.500	0.453	100.	70-130	9.80	25	WG726831
cis-1,3-Dichloropropene	ppb	0.513	0.456	103.	70-130	11.8	25	WG726831
Ethylbenzene	ppb	0.517	0.430	103.	70-130	18.4	25	WG726831
Tetrachloroethylene	ppb	0.503	0.434	100.	70-130	14.6	25	WG726831
trans-1,2-Dichloroethene	ppb	0.477	0.428	95.0	70-130	11.0	25	WG726831
trans-1,3-Dichloropropene	ppb	0.520	0.486	104.	70-130	6.78	25	WG726831
Trichloroethylene	ppb	0.500	0.424	100.	70-130	16.3	25	WG726831
Vinyl acetate	ppb	0.514	0.485	103.	70-130	5.77	25	WG726831
Vinyl chloride	ppb	0.455	0.411	91.0	70-130	10.3	25	WG726831
1,4-Bromofluorobenzene				99.70	60-140			WG726831

Batch number /Run number / Sample number cross reference

WG726831: R2942950: L704865-01 02 03 04 05 06 07 08

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L704865

June 18, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.