BROWNFIELDS ASSESSMENT AND RECEPTOR SURVEY

5.5 Acre Erwin Square / Former Burlington Industries Site
2109 Hillsborough Road
Durham, North Carolina 27605
S&ME Project No. 1054-10-288A

Prepared for:
Crescent Erwin Venture I, LLC
c/o Crescent Resources
227 West Trade Street
Suite 1000
Charlotte, NC 28202

Prepared by:

S&ME, Inc.
3201 Spring Forest Road,
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May 17, 2011

May 17, 2011

Crescent Erwin Venture I, LLC
c/o Crescent Resources
227 West Trade Street
Suite 1000
Charlotte, NC 28202

Attention: Mr. Benjamin Collins email: blcollins@crescent-resources.com
Regional Director, Southeast

Reference: Brownfields Assessment and Receptor Survey
5.5-Acre Erwin Square/Former Burlington Industries Site
2109 Hillsborough Road
Durham, North Carolina
S&ME Project No. 1054-10-288A

Dear Mr. Collins:

S&ME, Inc. (S&ME) is submitting this report of our Brownfields Assessment for an approximate 5.5-acre central portion of a 14.272-acre parent property located at 2109 Hillsborough Road in Durham, North Carolina. These sampling services have been performed in general accordance with our Change Order - 01 (S&ME Proposal No. P186A-10V, dated March 24, 2011) for limited soil and surface water sampling, which included the Scope of Services for this sampling, and our Change Order - 02 (S&ME Proposal No. P186B-10V, dated April 11, 2011) for additional soil sampling services and a receptor survey. The Brownfields Area Reconnaissance and Receptor Survey Guidance Form is attached as **Appendix V** to this report.

PROJECT BACKGROUND

S&ME previously completed a Phase I Environmental Site Assessment (Phase I ESA), dated October 7, 2010 (S&ME Project No. 1054-10-288), for the above-referenced property located in Durham, North Carolina. In summary, the Phase I ESA identified three *recognized environmental conditions* in connection with the subject property:

1. The subject property was formerly a central portion of the former Burlington Industries, Inc. Durham Plant No. 0183 facility, and was developed with several past industrial textile mill buildings and portions of buildings over time. There is the potential for soil and groundwater contamination from the historical industrial uses of the site. Based on the identified features and historical uses of the site, potential contaminants include petroleum constituents, chlorinated solvents, metals and poly-chlorinated biphenyls (PCBs).

2. The larger property from which the subject property has been subdivided, Burlington Industries – Durham Plant (Facility ID No. 0-016153), is listed as a registered UST facility. Based on the UST information provided in the EDR report, three registered USTs have been permanently closed at the site. Due to conflicting closure dates and sizes of these USTs, it is unclear whether they correspond to those identified in the LUST/IMD incidents.

3. An incident at Burlington Industries (LUST/IMD Incident No. 20604) was identified associated with the First Union Plaza site (now Wachovia), located adjacent to the southwest of the subject property. A chlorinated compound groundwater contaminant plume extends from the Wachovia property onto the southern and western portions of the subject property. This incident was transferred to the NCDENR Inactive Hazardous Sites Branch in 2007 and has not been closed out.

The Burlington Industries structures formerly located on the subject property have been demolished, and the site is currently a maintained lawn area with some remnant foundation slab areas. Please see the full Phase I ESA report for additional details regarding the past uses of the subject property and the identified *recognized environmental conditions.*

Crescent Erwin Venture I, LLC, the Prospective Developer and Brownfields applicant, is planning to redevelop the subject property with a multi-story residential development and a parking deck, and is pursuing a Brownfields Agreement for the proposed development. The Prospective Developer has indicated that, based on the presence of a known groundwater contaminant plume, the proposed structures will be constructed with a means of preventing vapor migration, such as a vapor barrier. Based on groundwater elevation data provided in the previous LUST/IMD incident files, the depth to groundwater ranges from approximately 6.5 feet below the ground surface (bgs) to 11.5 feet bgs. Significant excavation into the groundwater table is not anticipated for the proposed development at this time. For these reasons, additional assessment of groundwater was not performed.

S&ME developed the sampling program for this assessment based our review of the three *recognized environmental conditions* identified in the Phase I ESA listed above, and the proposed development plans provided by Crescent Erwin Venture I, LLC. S&ME selected sampling locations based on our review of the historical aerial photographs and insurance maps presented in the Phase I ESA report to identify specific areas where hazardous materials or petroleum products were likely used or stored. The assessment focused on shallow soil contamination based on the proposed development plans, which will cover the majority of the site and involve minor cutting and filling of portions of the site for the construction of the proposed multi-story residential development, a parking deck, and access driveways.

METHODS

Health & Safety Planning and Field Services Preparation

S&ME performed the following services prior to mobilizing to the site:

- Prepared a site-specific and task-specific Health and Safety Plan (HASP).
- Notified the NC OneCall service on March 29, 2011 to locate public utilities on the periphery of the site.
- Engaged a private utility marking subcontractor on March 28, 2011 to locate utilities within at least 100 feet of the proposed boring locations.
- The tasks and deliverables required prior to commencing field services included:
    - Pre-loading a GPS unit with the proposed sampling location names and coordinates to match identified areas of concern (9 boring locations)
    - Coordinated with driller to ensure that soil boring supplies and decontamination materials are prepared
    - Calibrated and prepared sampling equipment and meters
    - Acquired sampling supplies and PPE

Field Services

S&ME followed the sampling and laboratory analysis plans listed in the tables below for collecting and submitting the shallow soil and seep water samples.

Shallow Soil & Seep Water Sampling Plan

AOC	Matrix	Depth (ft-bgs)	Area of Concern	Purpose
1	SS	1 to 3 and 3 to 5	Coal storage/cooling tower/transformer	Evaluate shallow soil quality
2	SS		Engine house	
3	SS		Drum storage area with apparent staining	
4	SS		Drum storage area with apparent staining	
5	SS		Machine shop	
6	SS		Railroad siding	
7	SS		A/C and electrical shop	
8	SS		Electrical shop	
9	SS		Garage	
10	SW	N/A	Northern portion of swale	Water quality of existing seep
11	SW	N/A	Southern portion of swale	
SS = Soil Sample SW = Surface Water Sample				

Soil & Seep Water Sample Analysis Summary Table

Parameter	Analytical Method	Number of Samples
Soil Samples		
Volatile Organic Compounds + 10 TICs	EPA Method 8260B	18
Semi-Volatile Organic Compounds + 10 TICs	EPA Method 8270C	18
8 RCRA Metals	EPA Method 6010/7470	18
PCBs	EPA Method 8082	4
Seep Water Samples		
Volatile Organic Compounds + 10 TICs	EPA Method 6200B	2
Semi-Volatile Organic Compounds + 10 TICs	EPA Method 625	2
8 RCRA Metals	EPA Method 6010/7470	2
PCBs	EPA Method 8082	1

Installation of Soil Borings & Soil Sample Collection

S&ME used our Geoprobe to install nine soil borings on March 31, 2011, designated as SB-1 to SB-9. Refer to **Figure 2, Sample Location Map** for the boring locations as an overlay of an aerial photograph dated March 3, 1977, which shows the structures present at that time. Soil samples were collected and logged from ground surface to a depth of approximately five feet below the ground surface. Continuous soil samples were collected in five-foot long disposable acetate-plastic sleeves that line the hollow stainless-steel sample probes that are advanced by the Geoprobe. Soil samples were logged and classified to identify soil type.

Soil recovered in the Geoprobe sleeves was classified on-site by S&ME personnel and screened with a Toxic Vapor Analyzer (TVA) at approximately two foot intervals (from 1 to 3 feet bgs and 3 to 5 feet bgs) to measure relative headspace concentrations of VOCs. VOC headspace readings were obtained from an aliquot of each soil sample that is placed in a re-sealable bag. Another portion of the sample was placed in a laboratory-supplied container and stored in an insulated container with ice for laboratory analyses. After waiting approximately 15 minutes to allow the sample to reach ambient temperature and headspace equilibrium, the TVA probe was inserted into the bag to obtain a headspace reading. As suggested on March 30, 2011by Dr. Joe Ghiold, Project Manager with the NC Brownfields Section, both soil samples from each of the nine borings were submitted for laboratory analysis. The samples were submitted under standard Chain-of-Custody procedures to a North Carolina certified laboratory for analyses.

The 18 soil samples were submitted to Environmental Science Corporation (ESC) laboratories to provide analysis for: VOCs, SVOCs, and the 8 RCRA metals. The top ten peaks (if detected) of Tentatively Identified Compounds (TICs) were also included in the VOC and SVOC analyses. Four of the samples were also submitted to be analyzed for polychlorinated bi-phenyls (PCBs).

Seep Water Sampling & Analysis

The seep sample locations (designated as SW-01 and SW-02) are shown on the attached **Figure 2, Sample Location Map.** Seep water samples were collected on April 1, 2011 by submersing a new unpreserved sample container into the seep water and then transferring the water directly into the laboratory supplied sample jars using a peristaltic pump with new tubing. Due to rain on the previous day, the shallow ponded water was purged with the peristaltic pump and allowed to refill prior to sampling to minimize the collection of surface runoff.

The surface water seep samples were submitted under standard Chain-of-Custody procedures to a North Carolina certified laboratory for analyses. The samples were submitted to ESC to provide analysis for: VOCs, SVOCs, and the 8 RCRA metals. The top ten peaks (if detected) of Tentatively Identified Compounds (TICs) were also included in the VOC and SVOC analyses. A seep water sample from the northern, downgradient sample location was also submitted to be analyzed for PCBs.

Investigative derived wastes (IDW), such as soil cuttings generated during the soil boring advancement, decontamination water, and purge water was disposed in accordance with the procedures in NCDENR guidelines by placing the soil or water on the ground surface. Used gloves and other sampling disposables were bagged and were disposed off-site.

SOIL SAMPLING RESULTS

The attached boring logs for boring SB-1 through SB-9 present the general soil descriptions at each boring location to a depth of five feet below ground surface. The shallow soils consisted of primarily fill material and most had pieces of debris scattered in the fill, including brick, wood and coal. The results of the TVA field screening of the soil samples are also provided on the boring logs. None of the TVA readings for the soil samples exceeded ambient background levels.

Two soil samples were collected from each boring, and the soil samples were designated by boring number followed by the depth interval. For example, SB-1-3-5 represents the sample collected from Soil Boring 1 at a depth interval from three feet to five feet below the ground surface (bgs). A summary of the parameters that were detected during the soil sample analysis and a comparison to the North Carolina Department of the Environment and Natural Resources (NCDENR's) standards are summarized in **Table 1, Soil Analytical Results Summary**. A copy of the laboratory report for samples SB-1 through SB-9 is included as an attachment. Qualifiers for analytical results are listed in the laboratory report.

The laboratory analytical results of the soil samples indicated that the metal cadmium was detected in sample SB-1-1-3 at a concentration of 3.4 milligrams per kilogram (mg/Kg). This concentration slightly exceeds the NCDENR Inactive Hazardous Sites Branch Soil

Remediation Goal (SRG) for the Protection of Groundwater of 3.0 mg/Kg established for cadmium. There is not a NCDENR Soil-to-Groundwater Maximum Contaminant Concentration (MSCC) established for cadmium. The RCRA metals barium, chromium and lead were detected in all of the soil samples at concentrations exceeding the laboratory reporting limits, but below their respective MSCCs and/or SRGs. The RCRA metals mercury, arsenic, and cadmium were also detected at concentrations above the laboratory's reporting limits, but below their respective MSCCs and/or SRGs, in at least one of the soil samples collected from borings SB-1, SB-2, SB-4, SB-5, SB-6, SB-7, SB-8, and SB-9.

The VOCs benzene and 1,2,4-trimethylbenzene were detected in the soil samples collected from SB-6 at concentrations exceeding the laboratory reporting limits, but below their respective MSCCs and/or SRG. SB-6 was located proximal to the former location of a railroad spur and two underground storage tanks; one was used to store gasoline and the other was used to store varsol. No other VOCs were detected at concentrations above the laboratory's reporting limits in the soil samples submitted.

The PCB cogener Aroclor 1254 was detected at a concentration above the laboratory's reporting limits in soil sample SB-1-3-5, but below the SRGs for total PCBs. SB-1 was located proximal to a former transformer, a cooling tower and coal storage area.

SVOCs were detected at concentrations above the laboratory's reporting limits in at least one of the soil samples collected from borings SB-1, SB-2, SB-4, SB-6, SB-7, and SB-9. SVOCs were detected at concentrations above at least one of the SRGs or MSCCs in soil samples SB-1-3-5, SB-2-1-3, SB-4-1-3, SB-6-1-3, SB-6-3-5, SB-7-1-3, and SB-9-1-3.

ESC performed a database library search of the mass spectral data to identify VOC and SVOC TICs in the soil samples. Several SVOC TICs, and the VOC hexanal, were also reported at concentrations by the laboratory in the several of the soil samples. However, the reported TIC concentrations were all qualified (J-flag) as being reported at estimated concentrations that are above the laboratory detection limit, but below the analytical method's Practical Quantitation Limit (PQL). Please see the attached laboratory data reports for specific TICs detected.

SEEP SAMPLING RESULTS

A summary of the parameters that were detected during the seep water sample analysis and a comparison to the NCDENR standards are summarized in **Table 2, Seep Water Analytical Results Summary**. Laboratory analytical results of the two seep water samples indicated that barium was detected in both samples at a concentration exceeding the laboratory's reporting limits, but below the Title 15A NCAC 02L .0201 (2L Ground Water Quality Standard) of 700 micrograms per liter (µg/L). Barium was detected at a concentration of 58 µg/L in sample SW-01, and at 53 µg/L in sample SW-02. There is not a standard listed for barium in the Title 15A NCAC 2B - Class C Surface Water

Quality Standards (2B Surface Water Quality Standard). No other RCRA metals, or target analyte VOCs, SVOCs or PCBs were detected at concentrations above the laboratory's reporting limits in the two seep water samples submitted.

ESC also performed a database library search to identify VOC and SVOC TICs in the seep water samples. Several SVOC TICs were reported at estimated concentrations by the laboratory in the both of the seep water samples. However, the reported TIC concentrations were all qualified (J-flag) as being detected at concentrations below the analytical method's Practical Quantitation Limit (PQL). Please see the attached laboratory data reports for specific TICs detected.

CONCLUSIONS AND RECOMMENDATIONS

S&ME has completed the limited soil and seep water sampling program in general conformance with the sampling plan to evaluate potential impacts to shallow soil and seep water discharge on the property that may be associated with the historical uses of the subject property identified in the Phase I ESA. Samples were collected for laboratory analysis from nine soil borings and two seep water locations.

A documented chlorinated-compound groundwater contaminant plume extends from the adjacent Wachovia property onto the southern and western portions of the subject property. This incident was transferred to the NCDENR Inactive Hazardous Sites Branch in 2007 and has not been closed out. The Prospective Developer is planning to redevelop the subject property with a multi-story residential development and a parking deck, and has indicated that, based on the presence of the known groundwater contaminant plume, the proposed structures will be constructed with a means of preventing vapor migration, such as a vapor barrier. The reported depth to groundwater ranges from approximately 6.5 feet to 11.5 feet bgs. The Prospective Developer indicated that significant excavation into the groundwater table is not anticipated for the proposed development at this time. Therefore, additional assessment of groundwater does not appear to be necessary, contingent upon providing a means of preventing contaminant vapor migration into the proposed structures.

Laboratory analytical results indicated cadmium was present at a concentration slightly exceeding the IHSB SRG (3.0 mg/Kg) in soil sample SB-4-1-3 (3.4 mg/Kg). Several other RCRA metals were present in the analyzed soil samples at concentrations exceeding their respective laboratory reporting limits, but below their respective regulatory standards. It is S&ME's opinion that the concentration of cadmium detected in soil sample SB-4-1-3 is likely due to naturally-occurring metals present in the soil. Cadmium is primarily used in nickel-cadmium batteries, and is also used in electroplating, solder and as a paint pigment. There were no specific historical sources of cadmium identified in the past use of the subject property, although it could have potentially been used as a pigment in the dye house formerly located nearby. At the level detected, the cadmium

appears to be associated with mineralization of the natural Triassic soils present at the site, rather than from a chemical release.

SVOCs were detected at concentrations above at least one of the SRGs or MSCCs in soil samples SB-1-3-5, SB-2-1-3, SB-4-1-3, SB-6-1-3, SB-6-3-5, SB-7-1-3, and SB-9-1-3. The detected SVOCs are polycyclic aromatic hydrocarbons (PAHs), which are typical constituents of coal or crude oil. Coal-fired boilers and coal storage areas were formerly present on the northwest and southeast portions of the subject property, and railroad spurs used for coal delivery were also present. The majority of the shallow soil sampled consisted of fill material, and debris including coal fragments was observed in most of the soil borings. Based on the SVOC concentrations reported for the soil samples, the lack of any other petroleum constituents or VOCs reported for those samples and the lack of any SVOCs in the seep water samples, the reported detections of SVOCs appear to be related to remnant pieces of coal or coal dust present in the samples. The majority of the site will be covered by the proposed structures. Based on the proposed use of the subject property for residential purposes, S&ME recommends shallow soil removal from at-grade or excavation areas that are not to be covered by structures or impervious surfaces, such as driveways or sidewalks, to eliminate the direct soil exposure pathway to future residential occupants. Areas of the site that are to be filled-in to meet finished grade could be covered by clean fill material. Any soils to be removed from the property should be tested and properly disposed of in accordance with federal and state regulations.

Barium was detected in both of the seep water samples at a concentration exceeding the laboratory reporting limit, but at a concentration below the 2L and 2B Standards. No other RCRA metals, or VOCs, SVOCs or PCBs were detected by the laboratory in the two seep water samples.

Based on the results of this limited soil and seep water sampling and analysis program, it is S&ME's opinion that no additional sampling appears to be necessary at this time for assessment purposes. However, this site has been used for industrial purposes for several decades. There is the potential that contaminants exist at the site that were not identified during this limited assessment. If any suspect conditions are encountered during excavation at the site, such as unusual odors, stained soil or buried containers, please contact us to evaluate these areas. Any soils or groundwater to be removed from the property should be tested and properly disposed of in accordance with federal and state regulations.

CLOSING

Crescent Erwin Venture I, LLC, intends to submit this report to the NCDENR Brownfields Program for review. This limited soil and groundwater sampling program has been performed in accordance with our scope of work as described in our Change Order - 01 to S&ME Project No. 1054-10-288 (S&ME Proposal No. P186A-10V, dated March 24, 2011), and our Change Order - 02 (S&ME Proposal No. P186B-10V, dated April 11, 2011). The sampling program was developed to evaluate potential impacts to the subject site from the identified recognized environmental conditions, as described in our Phase I ESA for the subject property. The results are not intended to address other potential sources of contamination or other portions of the parent property. Use of this report limited to the above-referenced site and client. No other use is authorized by S&ME, Inc.

S&ME welcomes the opportunity to assist you with your environmental needs. Should you have any questions regarding this assessment, please call us at (919) 872-2660.

Sincerely,

S&ME, Inc.

Chris Hamblet

Chris Hamblet, CHMM
Environmental Scientist

Tom Raymond, PE
Senior Consultant

cc: Mr. David Franchina, Attorney, K&L Gates

Appendix:

Appendix I - Tables
- **1 –** Summary of Soil Analytical Results
- **2 –** Summary of Seep Water Analytical Results

Appendix II - Figures
- **1 –** Site Vicinity Map
- **2 –** Sample Location Map

Appendix III - Soil Boring Logs

Appendix IV - Laboratory Data Reports and Chain-of-Custody Forms

Appendix V - Brownfields Area Reconnaissance and Receptor Survey Guidance Form

APPENDIX I – TABLES

Table 1
Soil Analytical Results Summary
Proposed 5.5-Acre Erwin Square Site
2109 Hillsborough Road
Durham, North Carolina
S&ME Project Number 1054-10-288A

		Parameter Type ==>	RCRA Metals						Volatile Organic Compounds		Semi-Volatile Organic Compounds													PCBs
		EPA Analytical Method ==>	7471	6010B					8260B		8270D													8082
		Parameter ==>	Mercury	Arsenic	Barium	Cadmium	Chromium	Lead	Benzene	1,2,4-Trimethylbenzene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(a)pyrene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	PCB 1254
Sample ID	**Depth**	**Collection Date**																						
SB-1-1-3	1-3	3/31/2011	<0.0015	<0.33	180	<0.040	11	12	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	<0.0047
SB-1-3-5	3-5		<0.0015	2.8	100	<0.040	8	13	<0.00042	<0.00033	<0.0074	0.1	0.11	<0.0089	0.056	**0.09**	0.086	<0.0068	0.22	0.056	<0.0072	0.13	0.16	0.032
SB-2-1-3	1-3		<0.0015	<0.33	120	<0.040	12	16	<0.00042	<0.00033	0.049	**0.22**	**0.28**	0.11	0.13	**0.2**	0.23	**0.043**	0.42	0.13	<0.0072	0.24	0.32	NA
SB-2-3-5	3-5		<0.0015	1.5	46	<0.040	10	16	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	0.048	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-3-1-3	1-3		<0.0015	<0.33	8.6	<0.040	7.9	5.1	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-3-3-5	3-5		<0.0015	<0.33	11	<0.040	6.2	5.1	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-4-1-3	1-3		0.14	<0.33	89	**3.4**	7.6	160	<0.00042	<0.00033	<0.037	**0.24**	**0.31**	<0.044	<0.045	**0.22**	0.23	<0.034	0.45	<0.036	<0.036	0.29	0.41	NA
SB-4-3-5	3-5		<0.0015	<0.33	18	<0.040	18	13	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-5-1-3	1-3		0.032	<0.33	29	<0.040	12	9.4	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-5-3-5	3-5		<0.0015	<0.33	34	<0.040	8.2	16	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-6-1-3	1-3		0.062	<0.33	81	0.73	6.6	80	0.002	0.0013	<0.037	**0.36**	**0.51**	<0.044	0.32	**0.38**	0.4	<0.034	0.66	**0.29**	**0.68**	0.49	0.6	NA
SB-6-3-5	3-5		0.046	<0.33	59	2.2	8	64	0.0014	<0.00033	0.042	0.11	**0.18**	0.054	0.11	**0.13**	0.13	**0.043**	0.17	0.097	**0.64**	0.19	0.14	NA
SB-7-1-3	1-3		0.19	<0.33	35	<0.040	12	10	<0.00042	<0.00033	<0.0074	0.072	0.085	<0.0089	0.043	**0.064**	0.065	<0.0068	0.15	0.043	<0.0072	0.1	0.12	NA
SB-7-3-5	3-5		0.028	<0.33	46	<0.040	6.7	13	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
SB-8-1-3	1-3		0.065	3.5	82	<0.040	31	8.6	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	<0.0047
SB-8-3-5	3-5		<0.0015	1.4	160	<0.040	40	22	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	<0.0047
SB-9-1-3	1-3		<0.0015	2.8	70	<0.040	14	15	<0.00042	<0.00033	<0.0074	0.057	0.072	<0.0089	<0.0090	**0.053**	0.053	<0.0068	0.092	<0.0073	<0.0072	0.047	0.068	NA
SB-9-3-5	3-5		<0.0015	1.8	41	<0.040	11	9.1	<0.00042	<0.00033	<0.0074	<0.0093	<0.0098	<0.0089	<0.0090	<0.0085	<0.013	<0.0068	<0.011	<0.0073	<0.0072	<0.0085	<0.011	NA
NCDENR IHSB PSRG1 ==>			1.1	4.4	3,000	14	NS	400	1.1	12	3,400	0.15	0.15	1.5	NS	0.015	15	0.015	460	0.15	3.6	NS	340	1.0 *
NCDENR IHSB PSRG2 ==>			NS	5.8	580	3	NS	270	0.0073	6.7	660	0.18	0.6	5.9	360	0.059	18	0.19	330	2	0.21	57	220	0.14 *
NCDENR MSCC Soil to GW ==>			NS	NS	290	NS	NS	270	0.0056	8.5	940	0.35	1.2	12	6,400	0.096	39	0.17	290	3.4	0.16	56	270	NS
NCDENR MSCC Residential ==>			NS	NS	3,100	NS	NS	400	18	782	4,600	0.88	0.88	9	469	0.088	88	0.088	620	0.88	313	469	469	NS
NCDENR MSCC Ind / Comm ==>			NS	NS	81,000	NS	NS	400	164	20,440	122,000	8	8	78	12,264	0.78	780	0.78	16,400	8	8,176	12,264	12,264	NS

Notes:

All soil sample results and standards presented in milligrams per liter (mg/l), equivalent to parts per million (ppm)
NCDENR IHSB PSRG1 - NCDENR Inactive Hazardous Sites Branch - Health-Based Preliminary Soil Remediation Goal (exceedance shaded yellow)
NCDENR IHSB PSRG2 - NCDENR Inactive Hazardous Sites Branch - Protection of Groundwater Preliminary Soil Remediation Goal (exceedance shaded green
NCDENR MSCC Soil to GW - NCDENR Soil-to-Water Maximum Soil Contaminant Concentration (exceedance shaded brown)
NCDENR MSCC Residential - NCDENR Residential Maximum Soil Contaminant Concentration (exceedance shaded blue
NCDENR MSCC Ind / Comm - NCDENR Industrial and commercial Maximum Soil Contaminant Concentration (exceedance shaded purple
NA - Not analyzed for specific parameter
NS - No standard listed for specific parameter
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
* - Value for total PCBs

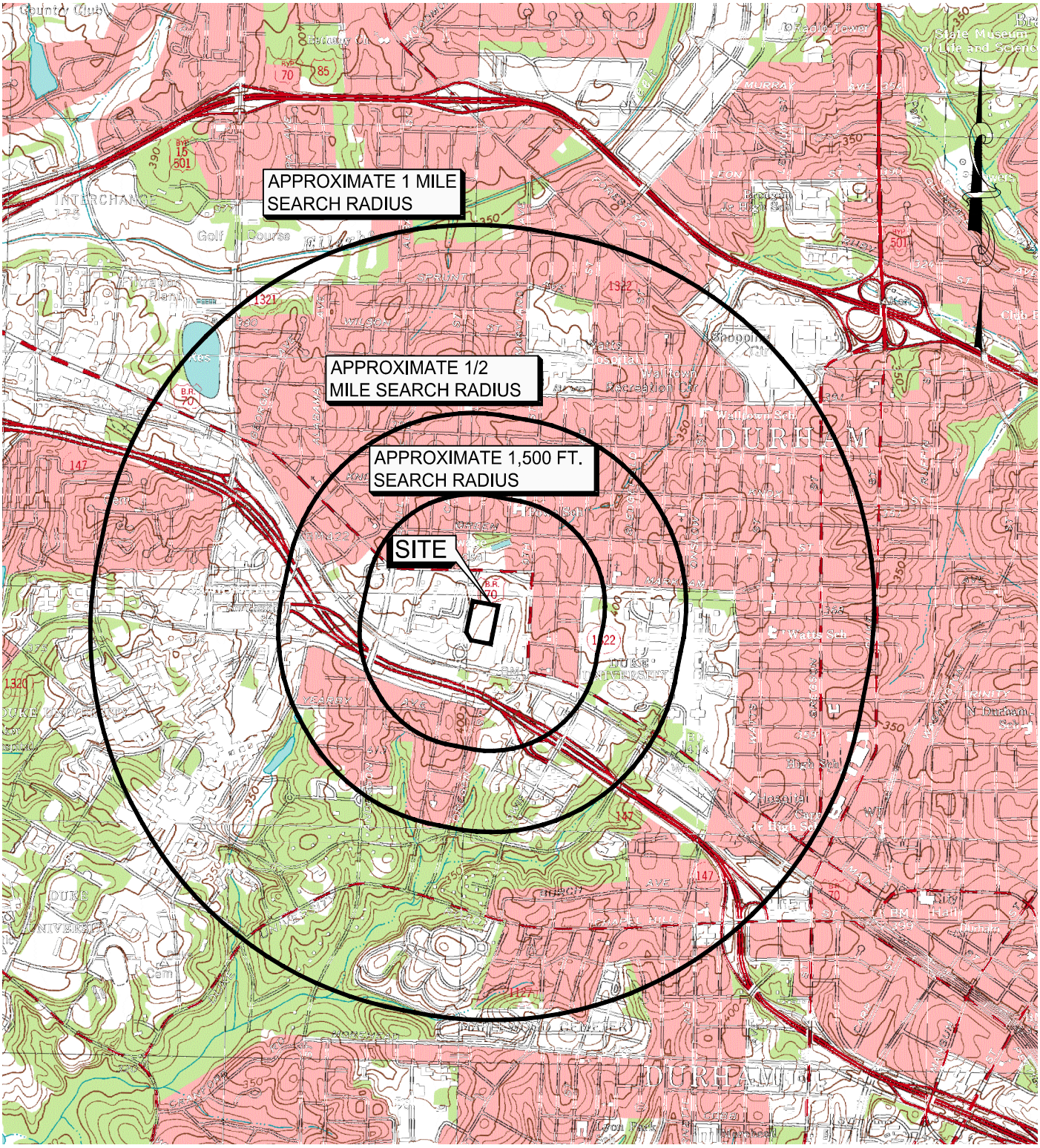
Table 2
Surface Water Analytical Results Summary
Proposed 5.5-Acre Erwin Square Site
2109 Hillsborough Road
Durham, North Carolina
S&ME Project Number 1054-10-288A

Parameter Type ==>		**RCRA Metals**								**VOCs**	**SVOCs**	**PCBs**
EPA Analytical Method ==>		6020	7470A	6010B						8260B	8270D	8082
Parameter ==>												
Sample ID	**Collection Date**	Arsenic	Mercury	Barium	Cadmium	Chromium	Lead	Selenium	Silver	VOCs	SVOCs	PCBs
SW-01	4/1/2011	<0.25	<0.024	58	<0.80	<1.7	<1.8	<6.3	<3.3	All BDL	All BDL	NA
SW-02		<0.25	<0.024	53	<0.80	<1.7	<1.8	<6.3	<3.3	All BDL	All BDL	All BDL
15A NCAC 2L Standard ==>		10	1	700	2	10	15	20	20	Constituent Specific		NS
15A NCAC 2B Standard ==>		50	0.012	NS	0.4	50	25	5	0.06	Constituent Specific		0.001

Notes:

All seep water sample results and standards presented in micrograms per liter (µg/l), equivalent to parts per billion (ppb)
15A NCAC 2L Standard = Title 15A NCAC 2L Groundwater Quality Standards (exceedence shaded yellow)
15A NCAC 2B Standard = Title 15A NCAC 2B Class C Surface Water Quality Standards (exceedence shaded green)
NA - Not analyzed for specific parameter
NS - No standard listed for specific parameter
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds

APPENDIX II – FIGURES



TOPO SOURCE: NCGS DRG
NW DURHAM, DATED 2002
SW DURHAM, DATED 2002
CONTOUR INTERVAL 5 FEET

GRAPHIC SCALE

1000 0 500 1000 2000

(IN FEET)

A-1955

SCALE: 1" = 2000'	S&ME WWW.SMEINC.COM	VICINITY MAP
DATE: APRIL 2011		5.5 ACRE FORMER BURLINGTON INDUSTRIES SITE
DRAWN BY: BTR/RDM		2109 HILLSBOROUGH ROAD
PROJECT NO: 1054-10-288A	NC ENGINEER LICENSE #F-0176 3201 SPRING FOREST RD, RALEIGH, NC 27616	DURHAM, NORTH CAROLINA

FIGURE NO. 1

LEGEND

- SOIL BORING LOCATION
- SEEP SAMPLE LOCATION

GRAPHIC SCALE

60 0 30 60

(IN FEET)

AERIAL PHOTO FROM NCDOT, DATED MARCH 3, 1977

S&ME
WWW.SMEINC.COM
NC ENGINEER LICENSE #F-0176
3201 SPRING FOREST RD, RALEIGH, NC 27616

SCALE: 1" = 60'	DATE: APRIL 2011
PROJECT NUMBER: 1054-10-288A	DRAWN BY: btr/rdm
DRAWING NUMBER: B-1563	CHECKED BY:

SAMPLE LOCATION MAP

5.5 ACRE FORMER BURLINGTON INDUSTRIES SITE
2109 HILLSBOROUGH ROAD, DURHAM, NORTH CAROLINA

FIGURE NO.

2

APPENDIX III – SOIL BORING LOGS

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-1
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	**To**	**Soil Description**	**Sample Interval (ft-bgs)**	**PID**	**FID**
0	0.5	Topsoil			
0.5	3.0	Purple clayey Silt - fill	1 - 3	0.27	1.66
3.0	5.0	Yellow/tan sandy Silt - fill, brick at 4'	3 - 5	0.92	1.18

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-2
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	**To**	**Soil Description**	**Sample Interval (ft-bgs)**	**PID**	**FID**
0	0.5	Topsoil			
0.5	2.0	Stiff brown/purple silty Clay	1 - 3	1.06	0.97
2.0	4.0	Tan silty Clay	3 - 5	2.39	1.32
4.0	5.0	Tan/red sandy Clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-3
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	**To**	**Soil Description**	**Sample Interval (ft-bgs)**	**PID**	**FID**
0	0.5	Topsoil	1 - 3	1.48	0.97
0.5	5.0	Tan sandy Clay	3 - 5	1.49	1.85

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-4
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil			
0.5	1.5	Dark gray sandy Clay			
1.5	2.5	Sandy Clay with debris	1 - 3	0.32	1.45
2.5	5.0	Yellow/orange sandy Clay	3 - 5	0.37	1.39

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-5
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil	1 - 3	0.64	1.34
0.5	5.0	Yellow/orange Clay	3 - 5	1.34	1.16

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-6
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil			
0.5	2.0	Gray sandy Clay with coal - fill	1 - 3	1.93	1.43
2.0	5.0	Tan/gray sandy Clay	3 - 5	1.90	1.45

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-7
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil			
0.5	1.0	Coal and Sand	1 - 3	1.71	1.49
1.0	5.0	Tan with red Clay	3 - 5	1.90	1.44

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-8
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil	1 - 3	1.05	1.48
0.5	5.0	Stiff tan/red Clay	3 - 5	1.45	1.47

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

BORING LOG

Project Name: 5.5 acre Erwin Square
Job No. 1054-10-288A
NCDENR Incident No.

Boring Number: SB-9
Sampling Personnel: C. Hamblet/B. Bryant
Date Drilled: 3/31/2011
Depth to Groundwater: --
Total Depth: 5 ft-bgs

STRATIFICATION

Depth (Feet)			Organic Vapor Readings (PPM)		
From	To	Soil Description	Sample Interval (ft-bgs)	PID	FID
0	0.5	Topsoil			
0.5	2.0	Brown sandy Clay	1 - 3	1.14	1.47
2.0	3.0	Gray silty Sand	3 - 5	0.30	1.08
3.0	5.0	Tan sandy Clay			

Notes:
1. Ft-BGS: Feet Below Ground Surface
2. PID: Photo-Ionization Detector
3. FID: Flame-Ionization Detector
4. PPM: parts per million (volume/volume)
5. NM: Not Measured

APPENDIX IV – LABORATORY DATA REPORTS AND CHAIN-OF-CUSTODY FORMS

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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

Report Summary

Wednesday April 06, 2011

Report Number: L509137
Samples Received: 04/01/11
Client Project: 1054-10-288A

Description: 5.5 Acre Erwin Square/Former Burlington Industries Site

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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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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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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-01

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.		%	2540G	04/06/11	1
Mercury	BDL	0.024	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	180	0.30	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.30	mg/kg	6010B	04/03/11	1
Chromium	11.	0.59	mg/kg	6010B	04/03/11	1
Lead	12.	0.30	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.59	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0059	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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The reported analytical results relate only to the sample submitted

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-01

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	97.6		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	96.1		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	113.		% Rec.	8260B	04/02/11	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1221	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1232	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1242	BDL	0.020	mg/kg	8082	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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The reported analytical results relate only to the sample submitted

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-01

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
PCB 1248	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1254	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1260	BDL	0.020	mg/kg	8082	04/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.039	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.039	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-01

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	104.		% Rec.	8270D	04/04/11	1
Phenol-d5	117.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	92.8		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	99.3		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	102.		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	113.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-02

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	04/06/11	1
Mercury	BDL	0.023	mg/kg	7471	04/04/11	1
Arsenic	2.8	1.2	mg/kg	6010B	04/03/11	1
Barium	100	0.29	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.29	mg/kg	6010B	04/03/11	1
Chromium	8.0	0.58	mg/kg	6010B	04/03/11	1
Lead	13.	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-02

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	96.5		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	95.2		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	108.		% Rec.	8260B	04/02/11	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1221	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1232	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1242	BDL	0.020	mg/kg	8082	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-02

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
PCB 1248	BDL	0.020	mg/kg	8082	04/04/11	1
PCB 1254	0.032	0.020	mg/kg	8082	04/04/11	1
PCB 1260	BDL	0.020	mg/kg	8082	04/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
Benzo(a)anthracene	0.10	0.038	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	0.11	0.038	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	0.056	0.038	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	0.090	0.038	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	0.086	0.038	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	0.22	0.038	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.038	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	0.056	0.038	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	0.13	0.038	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-02

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-1-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 10:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	0.16	0.038	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	105.		% Rec.	8270D	04/04/11	1
Phenol-d5	115.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	92.0		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	96.1		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	85.9		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	107.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-03

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.		%	2540G	04/06/11	1
Mercury	BDL	0.024	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	120	0.30	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.30	mg/kg	6010B	04/03/11	1
Chromium	12.	0.59	mg/kg	6010B	04/03/11	1
Lead	16.	0.30	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.59	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0059	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-03

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	96.8		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	96.5		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	108.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Anthracene	0.049	0.039	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-03

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.22	0.039	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	0.28	0.039	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	0.11	0.039	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	0.13	0.039	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	0.20	0.039	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	0.23	0.039	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	0.043	0.039	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	0.42	0.039	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.039	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	0.13	0.039	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	0.24	0.039	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	0.32	0.039	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-03

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	89.7		% Rec.	8270D	04/04/11	1
Phenol-d5	104.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	85.5		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	95.7		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	91.2		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	99.6		% Rec.	8270D	04/04/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-04

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.		%	2540G	04/06/11	1
Mercury	BDL	0.024	mg/kg	7471	04/04/11	1
Arsenic	1.5	1.2	mg/kg	6010B	04/03/11	1
Barium	46.	0.30	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.30	mg/kg	6010B	04/03/11	1
Chromium	10.	0.60	mg/kg	6010B	04/03/11	1
Lead	16.	0.30	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.60	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.060	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0060	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0060	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.060	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0060	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0060	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0060	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-04

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0060	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0060	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0060	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0060	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	97.1		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	96.6		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	108.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.40	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-04

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.40	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.40	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.40	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.40	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.40	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.039	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.40	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.40	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.40	mg/kg	8270D	04/04/11	1
Fluoranthene	0.048	0.039	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.039	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.40	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.40	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.40	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.40	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.40	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.40	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.40	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.40	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.40	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.40	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.40	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.40	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.40	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.40	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-04

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-2-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.40	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.40	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	85.7		% Rec.	8270D	04/04/11	1
Phenol-d5	108.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	78.9		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	96.9		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	106.		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	109.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-05

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	04/06/11	1
Mercury	BDL	0.023	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	8.6	0.29	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.29	mg/kg	6010B	04/03/11	1
Chromium	7.9	0.58	mg/kg	6010B	04/03/11	1
Lead	5.1	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-05

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	98.9		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	98.1		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	106.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-05

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.038	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.038	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-05

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	95.7		% Rec.	8270D	04/04/11	1
Phenol-d5	111.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	91.2		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	95.0		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	105.		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	114.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-06

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	04/06/11	1
Mercury	BDL	0.023	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	11.	0.29	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.29	mg/kg	6010B	04/03/11	1
Chromium	6.2	0.58	mg/kg	6010B	04/03/11	1
Lead	5.1	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-06

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	97.1		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	95.5		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	106.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-06

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.038	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.038	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-06

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-3-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	95.6		% Rec.	8270D	04/04/11	1
Phenol-d5	112.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	87.0		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	88.4		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	96.8		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	102.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-07

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.		%	2540G	04/06/11	1
Mercury	0.14	0.024	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	89.	0.30	mg/kg	6010B	04/03/11	1
Cadmium	3.4	0.30	mg/kg	6010B	04/03/11	1
Chromium	7.6	0.59	mg/kg	6010B	04/03/11	1
Lead	160	0.30	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.59	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0059	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-07

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0059	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	100.		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.20	mg/kg	8270D	04/04/11	5
Acenaphthylene	BDL	0.20	mg/kg	8270D	04/04/11	5
Anthracene	BDL	0.20	mg/kg	8270D	04/04/11	5
Benzidine	BDL	2.0	mg/kg	8270D	04/04/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-07

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.24	0.20	mg/kg	8270D	04/04/11	5
Benzo(b)fluoranthene	0.31	0.20	mg/kg	8270D	04/04/11	5
Benzo(k)fluoranthene	BDL	0.20	mg/kg	8270D	04/04/11	5
Benzo(g,h,i)perylene	BDL	0.20	mg/kg	8270D	04/04/11	5
Benzo(a)pyrene	0.22	0.20	mg/kg	8270D	04/04/11	5
Bis(2-chlorethoxy)methane	BDL	2.0	mg/kg	8270D	04/04/11	5
Bis(2-chloroethyl)ether	BDL	2.0	mg/kg	8270D	04/04/11	5
Bis(2-chloroisopropyl)ether	BDL	2.0	mg/kg	8270D	04/04/11	5
4-Bromophenyl-phenylether	BDL	2.0	mg/kg	8270D	04/04/11	5
2-Chloronaphthalene	BDL	0.20	mg/kg	8270D	04/04/11	5
4-Chlorophenyl-phenylether	BDL	2.0	mg/kg	8270D	04/04/11	5
Chrysene	0.23	0.20	mg/kg	8270D	04/04/11	5
Dibenz(a,h)anthracene	BDL	0.20	mg/kg	8270D	04/04/11	5
3,3-Dichlorobenzidine	BDL	2.0	mg/kg	8270D	04/04/11	5
2,4-Dinitrotoluene	BDL	2.0	mg/kg	8270D	04/04/11	5
2,6-Dinitrotoluene	BDL	2.0	mg/kg	8270D	04/04/11	5
Fluoranthene	0.45	0.20	mg/kg	8270D	04/04/11	5
Fluorene	BDL	0.20	mg/kg	8270D	04/04/11	5
Hexachlorobenzene	BDL	2.0	mg/kg	8270D	04/04/11	5
Hexachloro-1,3-butadiene	BDL	2.0	mg/kg	8270D	04/04/11	5
Hexachlorocyclopentadiene	BDL	2.0	mg/kg	8270D	04/04/11	5
Hexachloroethane	BDL	2.0	mg/kg	8270D	04/04/11	5
Indeno(1,2,3-cd)pyrene	BDL	0.20	mg/kg	8270D	04/04/11	5
Isophorone	BDL	2.0	mg/kg	8270D	04/04/11	5
Naphthalene	BDL	0.20	mg/kg	8270D	04/04/11	5
Nitrobenzene	BDL	2.0	mg/kg	8270D	04/04/11	5
n-Nitrosodimethylamine	BDL	2.0	mg/kg	8270D	04/04/11	5
n-Nitrosodiphenylamine	BDL	2.0	mg/kg	8270D	04/04/11	5
n-Nitrosodi-n-propylamine	BDL	2.0	mg/kg	8270D	04/04/11	5
Phenanthrene	0.29	0.20	mg/kg	8270D	04/04/11	5
Benzylbutyl phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Bis(2-ethylhexyl)phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Di-n-butyl phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Diethyl phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Dimethyl phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Di-n-octyl phthalate	BDL	2.0	mg/kg	8270D	04/04/11	5
Pyrene	0.41	0.20	mg/kg	8270D	04/04/11	5
1,2,4-Trichlorobenzene	BDL	2.0	mg/kg	8270D	04/04/11	5
Acid Extractables						
4-Chloro-3-methylphenol	BDL	2.0	mg/kg	8270D	04/04/11	5
2-Chlorophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
2,4-Dichlorophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
2,4-Dimethylphenol	BDL	2.0	mg/kg	8270D	04/04/11	5
4,6-Dinitro-2-methylphenol	BDL	2.0	mg/kg	8270D	04/04/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-07

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
2-Nitrophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
4-Nitrophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
Pentachlorophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
Phenol	BDL	2.0	mg/kg	8270D	04/04/11	5
2,4,6-Trichlorophenol	BDL	2.0	mg/kg	8270D	04/04/11	5
Surrogate Recovery						
2-Fluorophenol	67.3		% Rec.	8270D	04/04/11	5
Phenol-d5	82.1		% Rec.	8270D	04/04/11	5
Nitrobenzene-d5	66.9		% Rec.	8270D	04/04/11	5
2-Fluorobiphenyl	74.9		% Rec.	8270D	04/04/11	5
2,4,6-Tribromophenol	72.9		% Rec.	8270D	04/04/11	5
p-Terphenyl-d14	89.1		% Rec.	8270D	04/04/11	5

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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-08

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	04/06/11	1
Mercury	BDL	0.023	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	18.	0.29	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.29	mg/kg	6010B	04/03/11	1
Chromium	18.	0.58	mg/kg	6010B	04/03/11	1
Lead	13.	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-08

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	95.9		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	105.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-08

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.038	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.038	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-08

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-4-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 11:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	85.9		% Rec.	8270D	04/04/11	1
Phenol-d5	98.3		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	82.5		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	87.2		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	105.		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	107.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-09

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.		%	2540G	04/06/11	1
Mercury	0.032	0.027	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.3	mg/kg	6010B	04/03/11	1
Barium	29.	0.34	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.34	mg/kg	6010B	04/03/11	1
Chromium	12.	0.67	mg/kg	6010B	04/03/11	1
Lead	9.4	0.34	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.3	mg/kg	6010B	04/03/11	1
Silver	BDL	0.67	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.067	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.067	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0067	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0034	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-09

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0067	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0067	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0034	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0040	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	95.5		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	95.6		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	107.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.45	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-09

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.45	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.45	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.044	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.45	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.45	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.044	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.45	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.45	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-09

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	77.3		% Rec.	8270D	04/04/11	1
Phenol-d5	92.0		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	70.5		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	85.7		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	98.8		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	109.		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-10

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:05

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	75.		%	2540G	04/06/11	1
Mercury	BDL	0.027	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.3	mg/kg	6010B	04/03/11	1
Barium	34.	0.33	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.33	mg/kg	6010B	04/03/11	1
Chromium	8.2	0.67	mg/kg	6010B	04/03/11	1
Lead	16.	0.33	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.3	mg/kg	6010B	04/03/11	1
Silver	BDL	0.67	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.067	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
2-Chloroethyl vinyl ether	BDL	0.067	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0067	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0033	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-10

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:05

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0067	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0067	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0067	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0033	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0040	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	96.4		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	94.8		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	98.8		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	104.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.44	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-10

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:05

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.44	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.44	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.44	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.44	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.44	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.044	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.44	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.44	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.44	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.044	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.44	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.44	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.44	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.44	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.44	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.44	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.44	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.44	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.44	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.44	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.44	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.44	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.44	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.44	mg/kg	8270D	04/04/11	1

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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-10

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-5-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 12:05

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.44	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.44	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	72.0		% Rec.	8270D	04/04/11	1
Phenol-d5	84.3		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	67.7		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	78.0		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	97.9		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	105.		% Rec.	8270D	04/04/11	1

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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-11

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.		%	2540G	04/06/11	1
Mercury	0.062	0.023	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	81.	0.29	mg/kg	6010B	04/03/11	1
Cadmium	0.73	0.29	mg/kg	6010B	04/03/11	1
Chromium	6.6	0.58	mg/kg	6010B	04/03/11	1
Lead	80.	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	0.0020	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/05/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/05/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

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BDL - Below Detection Limit
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-11

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	0.0013	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	109.		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.19	mg/kg	8270D	04/04/11	5
Acenaphthylene	BDL	0.19	mg/kg	8270D	04/04/11	5
Anthracene	BDL	0.19	mg/kg	8270D	04/04/11	5
Benzidine	BDL	1.9	mg/kg	8270D	04/04/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-11

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.36	0.19	mg/kg	8270D	04/04/11	5
Benzo(b)fluoranthene	0.51	0.19	mg/kg	8270D	04/04/11	5
Benzo(k)fluoranthene	BDL	0.19	mg/kg	8270D	04/04/11	5
Benzo(g,h,i)perylene	0.32	0.19	mg/kg	8270D	04/04/11	5
Benzo(a)pyrene	0.38	0.19	mg/kg	8270D	04/04/11	5
Bis(2-chlorethoxy)methane	BDL	1.9	mg/kg	8270D	04/04/11	5
Bis(2-chloroethyl)ether	BDL	1.9	mg/kg	8270D	04/04/11	5
Bis(2-chloroisopropyl)ether	BDL	1.9	mg/kg	8270D	04/04/11	5
4-Bromophenyl-phenylether	BDL	1.9	mg/kg	8270D	04/04/11	5
2-Chloronaphthalene	BDL	0.19	mg/kg	8270D	04/04/11	5
4-Chlorophenyl-phenylether	BDL	1.9	mg/kg	8270D	04/04/11	5
Chrysene	0.40	0.19	mg/kg	8270D	04/04/11	5
Dibenz(a,h)anthracene	BDL	0.19	mg/kg	8270D	04/04/11	5
3,3-Dichlorobenzidine	BDL	1.9	mg/kg	8270D	04/04/11	5
2,4-Dinitrotoluene	BDL	1.9	mg/kg	8270D	04/04/11	5
2,6-Dinitrotoluene	BDL	1.9	mg/kg	8270D	04/04/11	5
Fluoranthene	0.66	0.19	mg/kg	8270D	04/04/11	5
Fluorene	BDL	0.19	mg/kg	8270D	04/04/11	5
Hexachlorobenzene	BDL	1.9	mg/kg	8270D	04/04/11	5
Hexachloro-1,3-butadiene	BDL	1.9	mg/kg	8270D	04/04/11	5
Hexachlorocyclopentadiene	BDL	1.9	mg/kg	8270D	04/04/11	5
Hexachloroethane	BDL	1.9	mg/kg	8270D	04/04/11	5
Indeno(1,2,3-cd)pyrene	0.29	0.19	mg/kg	8270D	04/04/11	5
Isophorone	BDL	1.9	mg/kg	8270D	04/04/11	5
Naphthalene	0.68	0.19	mg/kg	8270D	04/04/11	5
Nitrobenzene	BDL	1.9	mg/kg	8270D	04/04/11	5
n-Nitrosodimethylamine	BDL	1.9	mg/kg	8270D	04/04/11	5
n-Nitrosodiphenylamine	BDL	1.9	mg/kg	8270D	04/04/11	5
n-Nitrosodi-n-propylamine	BDL	1.9	mg/kg	8270D	04/04/11	5
Phenanthrene	0.49	0.19	mg/kg	8270D	04/04/11	5
Benzylbutyl phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Bis(2-ethylhexyl)phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Di-n-butyl phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Diethyl phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Dimethyl phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Di-n-octyl phthalate	BDL	1.9	mg/kg	8270D	04/04/11	5
Pyrene	0.60	0.19	mg/kg	8270D	04/04/11	5
1,2,4-Trichlorobenzene	BDL	1.9	mg/kg	8270D	04/04/11	5
Acid Extractables						
4-Chloro-3-methylphenol	BDL	1.9	mg/kg	8270D	04/04/11	5
2-Chlorophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
2,4-Dichlorophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
2,4-Dimethylphenol	BDL	1.9	mg/kg	8270D	04/04/11	5
4,6-Dinitro-2-methylphenol	BDL	1.9	mg/kg	8270D	04/04/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-11

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
2-Nitrophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
4-Nitrophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
Pentachlorophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
Phenol	BDL	1.9	mg/kg	8270D	04/04/11	5
2,4,6-Trichlorophenol	BDL	1.9	mg/kg	8270D	04/04/11	5
Surrogate Recovery						
2-Fluorophenol	98.2		% Rec.	8270D	04/04/11	5
Phenol-d5	113.		% Rec.	8270D	04/04/11	5
Nitrobenzene-d5	88.7		% Rec.	8270D	04/04/11	5
2-Fluorobiphenyl	97.2		% Rec.	8270D	04/04/11	5
2,4,6-Tribromophenol	90.2		% Rec.	8270D	04/04/11	5
p-Terphenyl-d14	100.		% Rec.	8270D	04/04/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:58

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-12

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.		%	2540G	04/06/11	1
Mercury	0.046	0.024	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	59.	0.29	mg/kg	6010B	04/03/11	1
Cadmium	2.2	0.29	mg/kg	6010B	04/03/11	1
Chromium	8.0	0.59	mg/kg	6010B	04/03/11	1
Lead	64.	0.29	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.59	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	04/04/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/04/11	1
Benzene	0.0014	0.0012	mg/kg	8260B	04/04/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/04/11	1
Bromomethane	BDL	0.0059	mg/kg	8260B	04/04/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/04/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Chloroethane	BDL	0.0059	mg/kg	8260B	04/04/11	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	04/04/11	1
Chloroform	BDL	0.0059	mg/kg	8260B	04/04/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/04/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/04/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	04/04/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	04/04/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/04/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/04/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-12

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/04/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/04/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/04/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/04/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/04/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/04/11	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	04/04/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/04/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/04/11	1
Naphthalene	BDL	0.0059	mg/kg	8260B	04/04/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Toluene	BDL	0.0059	mg/kg	8260B	04/04/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/04/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	04/04/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/04/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/04/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/04/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/04/11	1
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	04/04/11	1
Dibromofluoromethane	96.0		% Rec.	8260B	04/04/11	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	04/04/11	1
4-Bromofluorobenzene	102.		% Rec.	8260B	04/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Anthracene	0.042	0.039	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-12

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.11	0.039	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	0.18	0.039	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	0.054	0.039	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	0.11	0.039	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	0.13	0.039	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	0.13	0.039	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	0.043	0.039	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	0.17	0.039	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.039	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	0.097	0.039	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	0.64	0.039	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	0.19	0.039	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	0.14	0.039	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-12

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-6-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	85.4		% Rec.	8270D	04/04/11	1
Phenol-d5	100.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	88.1		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	87.7		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	87.6		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	93.7		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-13

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.		%	2540G	04/06/11	1
Mercury	0.19	0.024	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.2	mg/kg	6010B	04/03/11	1
Barium	35.	0.30	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.30	mg/kg	6010B	04/03/11	1
Chromium	12.	0.61	mg/kg	6010B	04/03/11	1
Lead	10.	0.30	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/03/11	1
Silver	BDL	0.61	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.061	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0061	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0061	mg/kg	8260B	04/05/11	1
2-Chloroethyl vinyl ether	BDL	0.061	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0061	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0061	mg/kg	8260B	04/05/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0061	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-13

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0061	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0061	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0061	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0061	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	108.		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	99.0		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.040	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.040	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.040	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.41	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-13

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.072	0.040	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	0.085	0.040	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	0.043	0.040	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	0.064	0.040	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.41	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.040	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.41	mg/kg	8270D	04/04/11	1
Chrysene	0.065	0.040	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.41	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.41	mg/kg	8270D	04/04/11	1
Fluoranthene	0.15	0.040	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.040	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.41	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	0.043	0.040	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.41	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.040	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
Phenanthrene	0.10	0.040	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Pyrene	0.12	0.040	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1

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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-13

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	92.8		% Rec.	8270D	04/04/11	1
Phenol-d5	107.		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	88.6		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	89.9		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	97.3		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	97.0		% Rec.	8270D	04/04/11	1

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Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-14

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.		%	2540G	04/06/11	1
Mercury	0.028	0.025	mg/kg	7471	04/04/11	1
Arsenic	BDL	1.3	mg/kg	6010B	04/03/11	1
Barium	46.	0.32	mg/kg	6010B	04/03/11	1
Cadmium	BDL	0.32	mg/kg	6010B	04/03/11	1
Chromium	6.7	0.63	mg/kg	6010B	04/03/11	1
Lead	13.	0.32	mg/kg	6010B	04/03/11	1
Selenium	BDL	1.3	mg/kg	6010B	04/03/11	1
Silver	BDL	3.2	mg/kg	6010B	04/04/11	5
Volatile Organics						
Acetone	BDL	0.063	mg/kg	8260B	04/05/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	04/05/11	1
Benzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	04/05/11	1
Bromomethane	BDL	0.0063	mg/kg	8260B	04/05/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	04/05/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Chloroethane	BDL	0.0063	mg/kg	8260B	04/05/11	1
2-Chloroethyl vinyl ether	BDL	0.063	mg/kg	8260B	04/05/11	1
Chloroform	BDL	0.0063	mg/kg	8260B	04/05/11	1
Chloromethane	BDL	0.0032	mg/kg	8260B	04/05/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/05/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0063	mg/kg	8260B	04/05/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Dichlorodifluoromethane	BDL	0.0063	mg/kg	8260B	04/05/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/05/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/05/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/05/11	1

Results listed are dry weight basis.
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Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-14

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/05/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/05/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/05/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	04/05/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	04/05/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	04/05/11	1
Methylene Chloride	BDL	0.0063	mg/kg	8260B	04/05/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	04/05/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	04/05/11	1
Naphthalene	BDL	0.0063	mg/kg	8260B	04/05/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Styrene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Toluene	BDL	0.0063	mg/kg	8260B	04/05/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/05/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Trichlorofluoromethane	BDL	0.0063	mg/kg	8260B	04/05/11	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	04/05/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/05/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	04/05/11	1
Xylenes, Total	BDL	0.0038	mg/kg	8260B	04/05/11	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	04/05/11	1
Dibromofluoromethane	103.		% Rec.	8260B	04/05/11	1
a,a,a-Trifluorotoluene	106.		% Rec.	8260B	04/05/11	1
4-Bromofluorobenzene	108.		% Rec.	8260B	04/05/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.042	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.42	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-14

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.42	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.042	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.042	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.042	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.42	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.42	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.042	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.42	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.042	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.042	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-14

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-7-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.42	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	36.2		% Rec.	8270D	04/04/11	1
Phenol-d5	43.4		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	34.9		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	37.3		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	38.8		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	42.6		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-15

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.		%	2540G	04/06/11	1
Mercury	BDL	0.024	mg/kg	7471	04/04/11	1
Arsenic	2.8	1.2	mg/kg	6010B	04/04/11	1
Barium	70.	0.30	mg/kg	6010B	04/04/11	1
Cadmium	BDL	0.30	mg/kg	6010B	04/04/11	1
Chromium	14.	0.59	mg/kg	6010B	04/04/11	1
Lead	15.	0.30	mg/kg	6010B	04/04/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/04/11	1
Silver	BDL	0.59	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	04/05/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/05/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/05/11	1
Bromomethane	BDL	0.0059	mg/kg	8260B	04/05/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/05/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Chloroethane	BDL	0.0059	mg/kg	8260B	04/05/11	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	04/05/11	1
Chloroform	BDL	0.0059	mg/kg	8260B	04/05/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	04/05/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/05/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	04/05/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	04/05/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-15

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/05/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/05/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/05/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/05/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/05/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/05/11	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	04/05/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/05/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/05/11	1
Naphthalene	BDL	0.0059	mg/kg	8260B	04/05/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Toluene	BDL	0.0059	mg/kg	8260B	04/05/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/05/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	04/05/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	04/05/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/05/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/05/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/05/11	1
Dibromofluoromethane	106.		% Rec.	8260B	04/05/11	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	04/05/11	1
4-Bromofluorobenzene	107.		% Rec.	8260B	04/05/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-15

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	0.057	0.039	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	0.072	0.039	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	0.053	0.039	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	0.053	0.039	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	0.092	0.039	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.039	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.039	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	0.047	0.039	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	0.068	0.039	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-15

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:55

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	35.6		% Rec.	8270D	04/04/11	1
Phenol-d5	43.6		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	36.2		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	39.3		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	42.5		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	40.9		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-16

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.		%	2540G	04/06/11	1
Mercury	BDL	0.023	mg/kg	7471	04/04/11	1
Arsenic	1.8	1.2	mg/kg	6010B	04/04/11	1
Barium	41.	0.29	mg/kg	6010B	04/04/11	1
Cadmium	BDL	0.29	mg/kg	6010B	04/04/11	1
Chromium	11.	0.58	mg/kg	6010B	04/04/11	1
Lead	9.1	0.29	mg/kg	6010B	04/04/11	1
Selenium	BDL	1.2	mg/kg	6010B	04/04/11	1
Silver	BDL	0.58	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	04/02/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/02/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/02/11	1
Bromomethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/05/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Chloroethane	BDL	0.0058	mg/kg	8260B	04/05/11	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	04/02/11	1
Chloroform	BDL	0.0058	mg/kg	8260B	04/02/11	1
Chloromethane	BDL	0.0029	mg/kg	8260B	04/02/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	04/05/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/05/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-16

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/02/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	04/02/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/02/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/02/11	1
Naphthalene	BDL	0.0058	mg/kg	8260B	04/02/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Toluene	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	04/02/11	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	04/02/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/02/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/02/11	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	04/02/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	04/02/11	1
Dibromofluoromethane	119.		% Rec.	8260B	04/02/11	1
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	04/02/11	1
4-Bromofluorobenzene	101.		% Rec.	8260B	04/02/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.39	mg/kg	8270D	04/04/11	1

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-16

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.038	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.038	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.038	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.39	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.39	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.038	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.038	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.038	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270D	04/04/11	1

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-16

Date Received : April 01, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-9-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 14:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.39	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	27.1		% Rec.	8270D	04/04/11	1
Phenol-d5	33.9		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	25.9		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	36.2		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	39.0		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	42.0		% Rec.	8270D	04/04/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-17

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.		%	2540G	04/06/11	1
Mercury	0.065	0.025	mg/kg	7471	04/05/11	1
Arsenic	3.5	1.2	mg/kg	6010B	04/04/11	1
Barium	82.	0.31	mg/kg	6010B	04/04/11	1
Cadmium	BDL	0.31	mg/kg	6010B	04/04/11	1
Chromium	31.	0.62	mg/kg	6010B	04/04/11	1
Lead	8.6	0.31	mg/kg	6010B	04/04/11	1
Selenium	BDL	6.2	mg/kg	6010B	04/04/11	5
Silver	BDL	0.62	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.062	mg/kg	8260B	04/03/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	04/03/11	1
Benzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	04/03/11	1
Bromomethane	BDL	0.0062	mg/kg	8260B	04/03/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	04/03/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Chloroethane	BDL	0.0062	mg/kg	8260B	04/03/11	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	04/03/11	1
Chloroform	BDL	0.0062	mg/kg	8260B	04/03/11	1
Chloromethane	BDL	0.0031	mg/kg	8260B	04/03/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/03/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0062	mg/kg	8260B	04/03/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Dichlorodifluoromethane	BDL	0.0062	mg/kg	8260B	04/03/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/03/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/03/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	04/03/11	1

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-17

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/03/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/03/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	04/03/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	04/03/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	04/03/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	04/03/11	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	04/03/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	04/03/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	04/03/11	1
Naphthalene	BDL	0.0062	mg/kg	8260B	04/03/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Styrene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Toluene	BDL	0.0062	mg/kg	8260B	04/03/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	04/03/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Trichlorofluoromethane	BDL	0.0062	mg/kg	8260B	04/03/11	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	04/03/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	04/03/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	04/03/11	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	04/03/11	1
Surrogate Recovery						
Toluene-d8	110.		% Rec.	8260B	04/03/11	1
Dibromofluoromethane	119.		% Rec.	8260B	04/03/11	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	04/03/11	1
4-Bromofluorobenzene	93.6		% Rec.	8260B	04/03/11	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.021	mg/kg	8082	04/04/11	1
PCB 1221	BDL	0.021	mg/kg	8082	04/04/11	1
PCB 1232	BDL	0.021	mg/kg	8082	04/04/11	1
PCB 1242	BDL	0.021	mg/kg	8082	04/04/11	1

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-17

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
PCB 1248	BDL	0.021	mg/kg	8082	04/04/11	1
PCB 1254	BDL	0.021	mg/kg	8082	04/04/11	1
PCB 1260	BDL	0.021	mg/kg	8082	04/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.041	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.041	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.41	mg/kg	8270D	04/04/11	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.41	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.041	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.41	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.041	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.41	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.41	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.041	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.041	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.41	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.41	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.41	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.041	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.41	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.041	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-17

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-1-3

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.41	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.041	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.41	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4-Dinitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.41	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.41	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	36.2		% Rec.	8270D	04/04/11	1
Phenol-d5	42.8		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	33.4		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	39.3		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	43.5		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	47.1		% Rec.	8270D	04/04/11	1

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Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509137-18

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.		%	2540G	04/06/11	1
Mercury	BDL	0.027	mg/kg	7471	04/05/11	1
Arsenic	1.4	1.3	mg/kg	6010B	04/04/11	1
Barium	160	0.34	mg/kg	6010B	04/04/11	1
Cadmium	BDL	0.34	mg/kg	6010B	04/04/11	1
Chromium	40.	0.67	mg/kg	6010B	04/04/11	1
Lead	22.	0.34	mg/kg	6010B	04/04/11	1
Selenium	BDL	6.7	mg/kg	6010B	04/04/11	5
Silver	BDL	0.67	mg/kg	6010B	04/04/11	1
Volatile Organics						
Acetone	BDL	0.067	mg/kg	8260B	04/03/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	04/03/11	1
Benzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	04/03/11	1
Bromomethane	BDL	0.0067	mg/kg	8260B	04/03/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	04/03/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Chloroethane	BDL	0.0067	mg/kg	8260B	04/03/11	1
2-Chloroethyl vinyl ether	BDL	0.067	mg/kg	8260B	04/03/11	1
Chloroform	BDL	0.0067	mg/kg	8260B	04/03/11	1
Chloromethane	BDL	0.0034	mg/kg	8260B	04/03/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/03/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0067	mg/kg	8260B	04/03/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Dichlorodifluoromethane	BDL	0.0067	mg/kg	8260B	04/03/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/03/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/03/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	04/03/11	1

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April 06,2011

ESC Sample # : L509137-18

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/03/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/03/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	04/03/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	04/03/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	04/03/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	04/03/11	1
Methylene Chloride	BDL	0.0067	mg/kg	8260B	04/03/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	04/03/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	04/03/11	1
Naphthalene	BDL	0.0067	mg/kg	8260B	04/03/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Styrene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Toluene	BDL	0.0067	mg/kg	8260B	04/03/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	04/03/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Trichlorofluoromethane	BDL	0.0067	mg/kg	8260B	04/03/11	1
1,2,3-Trichloropropane	BDL	0.0034	mg/kg	8260B	04/03/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	04/03/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	04/03/11	1
Xylenes, Total	BDL	0.0040	mg/kg	8260B	04/03/11	1
Surrogate Recovery						
Toluene-d8	110.		% Rec.	8260B	04/03/11	1
Dibromofluoromethane	122.		% Rec.	8260B	04/03/11	1
a,a,a-Trifluorotoluene	109.		% Rec.	8260B	04/03/11	1
4-Bromofluorobenzene	93.1		% Rec.	8260B	04/03/11	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.023	mg/kg	8082	04/04/11	1
PCB 1221	BDL	0.023	mg/kg	8082	04/04/11	1
PCB 1232	BDL	0.023	mg/kg	8082	04/04/11	1
PCB 1242	BDL	0.023	mg/kg	8082	04/04/11	1

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April 06,2011

ESC Sample # : L509137-18

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
PCB 1248	BDL	0.023	mg/kg	8082	04/04/11	1
PCB 1254	BDL	0.023	mg/kg	8082	04/04/11	1
PCB 1260	BDL	0.023	mg/kg	8082	04/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Acenaphthylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzidine	BDL	0.45	mg/kg	8270D	04/04/11	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Bis(2-chlorethoxy)methane	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-chloroethyl)ether	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-chloroisopropyl)ether	BDL	0.45	mg/kg	8270D	04/04/11	1
4-Bromophenyl-phenylether	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Chloronaphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
4-Chlorophenyl-phenylether	BDL	0.45	mg/kg	8270D	04/04/11	1
Chrysene	BDL	0.044	mg/kg	8270D	04/04/11	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270D	04/04/11	1
3,3-Dichlorobenzidine	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dinitrotoluene	BDL	0.45	mg/kg	8270D	04/04/11	1
2,6-Dinitrotoluene	BDL	0.45	mg/kg	8270D	04/04/11	1
Fluoranthene	BDL	0.044	mg/kg	8270D	04/04/11	1
Fluorene	BDL	0.044	mg/kg	8270D	04/04/11	1
Hexachlorobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachloro-1,3-butadiene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachlorocyclopentadiene	BDL	0.45	mg/kg	8270D	04/04/11	1
Hexachloroethane	BDL	0.45	mg/kg	8270D	04/04/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Isophorone	BDL	0.45	mg/kg	8270D	04/04/11	1
Naphthalene	BDL	0.044	mg/kg	8270D	04/04/11	1
Nitrobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodimethylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodiphenylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
n-Nitrosodi-n-propylamine	BDL	0.45	mg/kg	8270D	04/04/11	1
Phenanthrene	BDL	0.044	mg/kg	8270D	04/04/11	1
Benzylbutyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Di-n-butyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Diethyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Dimethyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1

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April 06,2011

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Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SB-8-3-5

Project # : 1054-10-288A

Collected By : B. Bryant
Collection Date : 03/31/11 13:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.45	mg/kg	8270D	04/04/11	1
Pyrene	BDL	0.044	mg/kg	8270D	04/04/11	1
1,2,4-Trichlorobenzene	BDL	0.45	mg/kg	8270D	04/04/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Chlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dichlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dimethylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1
4,6-Dinitro-2-methylphenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4-Dinitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2-Nitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
4-Nitrophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Pentachlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Phenol	BDL	0.45	mg/kg	8270D	04/04/11	1
2,4,6-Trichlorophenol	BDL	0.45	mg/kg	8270D	04/04/11	1
Surrogate Recovery						
2-Fluorophenol	29.6		% Rec.	8270D	04/04/11	1
Phenol-d5	34.6		% Rec.	8270D	04/04/11	1
Nitrobenzene-d5	28.2		% Rec.	8270D	04/04/11	1
2-Fluorobiphenyl	32.1		% Rec.	8270D	04/04/11	1
2,4,6-Tribromophenol	36.8		% Rec.	8270D	04/04/11	1
p-Terphenyl-d14	41.5		% Rec.	8270D	04/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
Reported: 04/06/11 12:56 Printed: 04/06/11 12:59

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L509137-01	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-02	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-03	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-04	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
	WG529143	SAMP	Arsenic	R1635329	J6
	WG529143	SAMP	Barium	R1635329	J3J6J5
	WG529143	SAMP	Lead	R1635329	J5J3
L509137-05	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-06	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-07	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-08	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-09	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-10	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-11	WG529119	SAMP	Bromobenzene	R1636010	J4
	WG529119	SAMP	Hexachloro-1,3-butadiene	R1636010	J4
	WG529119	SAMP	Styrene	R1636010	J4
	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-12	WG529454	SAMP	Styrene	R1636529	J4J5
	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-13	WG529119	SAMP	Bromobenzene	R1636010	J4
	WG529119	SAMP	Hexachloro-1,3-butadiene	R1636010	J4
	WG529119	SAMP	Styrene	R1636010	J4
	WG529151	SAMP	Benzidine	R1635710	J3
	WG529151	SAMP	Pentachlorophenol	R1635710	J4
L509137-14	WG529454	SAMP	Styrene	R1636529	J4
	WG529152	SAMP	Benzidine	R1636231	J3
	WG529152	SAMP	Pentachlorophenol	R1636231	J4
	WG529308	SAMP	Silver	R1637029	O
L509137-15	WG529454	SAMP	Styrene	R1636529	J4
	WG529152	SAMP	Benzidine	R1636231	J3
	WG529152	SAMP	Pentachlorophenol	R1636231	J4
L509137-16	WG529119	SAMP	Bromobenzene	R1636010	J4
	WG529119	SAMP	Hexachloro-1,3-butadiene	R1636010	J4
	WG529119	SAMP	Styrene	R1636010	J4
	WG529152	SAMP	Benzidine	R1636231	J3
	WG529152	SAMP	Pentachlorophenol	R1636231	J4
	WG529152	SAMP	Phenol-d5	R1636231	J2
L509137-17	WG529152	SAMP	Benzidine	R1636231	J3
	WG529152	SAMP	Pentachlorophenol	R1636231	J4
	WG529265	SAMP	Selenium	R1637150	O
L509137-18	WG529152	SAMP	Benzidine	R1636231	J3
	WG529152	SAMP	Pentachlorophenol	R1636231	J4
	WG529152	SAMP	Phenol-d5	R1636231	J2
	WG529265	SAMP	Selenium	R1637150	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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.
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
J4	The associated batch QC was outside the established quality control range for accuracy.
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.

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
04/06/11 at 12:59:19

TSR Signing Reports: 690
R4 - Rush: Three Day

GW -Arsenic always needs ASG

Sample: L509137-01 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-02 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-03 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-04 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-05 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-06 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-07 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-08 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-09 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-10 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-11 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-12 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-13 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-14 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-15 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-16 Account: SMERLNC Received: 04/01/11 10:30 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-17 Account: SMERLNC Received: 04/02/11 09:00 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

Sample: L509137-18 Account: SMERLNC Received: 04/02/11 09:00 Due Date: 04/06/11 00:00 RPT Date: 04/06/11 12:56

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Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,1,1-Trichloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,1,2-Trichloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,1-Dichloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,1-Dichloroethene	< .001	mg/kg			WG529118	04/02/11 16:31
1,1-Dichloropropene	< .001	mg/kg			WG529118	04/02/11 16:31
1,2,3-Trichlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,2,3-Trichloropropane	< .0025	mg/kg			WG529118	04/02/11 16:31
1,2,4-Trichlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,2,4-Trimethylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG529118	04/02/11 16:31
1,2-Dibromoethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,2-Dichlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,2-Dichloroethane	< .001	mg/kg			WG529118	04/02/11 16:31
1,2-Dichloropropane	< .001	mg/kg			WG529118	04/02/11 16:31
1,3,5-Trimethylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,3-Dichlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
1,3-Dichloropropane	< .001	mg/kg			WG529118	04/02/11 16:31
1,4-Dichlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
2,2-Dichloropropane	< .001	mg/kg			WG529118	04/02/11 16:31
2-Butanone (MEK)	< .01	mg/kg			WG529118	04/02/11 16:31
2-Chloroethyl vinyl ether	< .05	mg/kg			WG529118	04/02/11 16:31
2-Chlorotoluene	< .001	mg/kg			WG529118	04/02/11 16:31
4-Chlorotoluene	< .001	mg/kg			WG529118	04/02/11 16:31
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG529118	04/02/11 16:31
Acetone	< .05	mg/kg			WG529118	04/02/11 16:31
Acrylonitrile	< .01	mg/kg			WG529118	04/02/11 16:31
Benzene	< .001	mg/kg			WG529118	04/02/11 16:31
Bromobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Bromodichloromethane	< .001	mg/kg			WG529118	04/02/11 16:31
Bromoform	< .001	mg/kg			WG529118	04/02/11 16:31
Bromomethane	< .005	mg/kg			WG529118	04/02/11 16:31
Carbon tetrachloride	< .001	mg/kg			WG529118	04/02/11 16:31
Chlorobenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Chlorodibromomethane	< .001	mg/kg			WG529118	04/02/11 16:31
Chloroethane	< .005	mg/kg			WG529118	04/02/11 16:31
Chloroform	< .005	mg/kg			WG529118	04/02/11 16:31
Chloromethane	< .0025	mg/kg			WG529118	04/02/11 16:31
cis-1,2-Dichloroethene	< .001	mg/kg			WG529118	04/02/11 16:31
cis-1,3-Dichloropropene	< .001	mg/kg			WG529118	04/02/11 16:31
Di-isopropyl ether	< .001	mg/kg			WG529118	04/02/11 16:31
Dibromomethane	< .001	mg/kg			WG529118	04/02/11 16:31
Dichlorodifluoromethane	< .005	mg/kg			WG529118	04/02/11 16:31
Ethylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Hexachloro-1,3-butadiene	< .001	mg/kg			WG529118	04/02/11 16:31
Isopropylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Methyl tert-butyl ether	< .001	mg/kg			WG529118	04/02/11 16:31
Methylene Chloride	< .005	mg/kg			WG529118	04/02/11 16:31
n-Butylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
n-Propylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Naphthalene	< .005	mg/kg			WG529118	04/02/11 16:31
p-Isopropyltoluene	< .001	mg/kg			WG529118	04/02/11 16:31
sec-Butylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Styrene	< .001	mg/kg			WG529118	04/02/11 16:31
tert-Butylbenzene	< .001	mg/kg			WG529118	04/02/11 16:31
Tetrachloroethene	< .001	mg/kg			WG529118	04/02/11 16:31
Toluene	< .005	mg/kg			WG529118	04/02/11 16:31
trans-1,2-Dichloroethene	< .001	mg/kg			WG529118	04/02/11 16:31

* 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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Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
trans-1,3-Dichloropropene	< .001	mg/kg			WG529118	04/02/11 16:31
Trichloroethene	< .001	mg/kg			WG529118	04/02/11 16:31
Trichlorofluoromethane	< .005	mg/kg			WG529118	04/02/11 16:31
Vinyl chloride	< .001	mg/kg			WG529118	04/02/11 16:31
Xylenes, Total	< .003	mg/kg			WG529118	04/02/11 16:31
4-Bromofluorobenzene		% Rec.	107.6	59-140	WG529118	04/02/11 16:31
Dibromofluoromethane		% Rec.	93.76	63-139	WG529118	04/02/11 16:31
Toluene-d8		% Rec.	100.2	84-116	WG529118	04/02/11 16:31
a,a,a-Trifluorotoluene		% Rec.	109.1	80-118	WG529118	04/02/11 16:31
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,1,1-Trichloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,1,2-Trichloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,1-Dichloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,1-Dichloroethene	< .001	mg/kg			WG529231	04/02/11 19:31
1,1-Dichloropropene	< .001	mg/kg			WG529231	04/02/11 19:31
1,2,3-Trichlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,2,3-Trichloropropane	< .0025	mg/kg			WG529231	04/02/11 19:31
1,2,4-Trichlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,2,4-Trimethylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG529231	04/02/11 19:31
1,2-Dibromoethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,2-Dichlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,2-Dichloroethane	< .001	mg/kg			WG529231	04/02/11 19:31
1,2-Dichloropropane	< .001	mg/kg			WG529231	04/02/11 19:31
1,3,5-Trimethylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,3-Dichlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
1,3-Dichloropropane	< .001	mg/kg			WG529231	04/02/11 19:31
1,4-Dichlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
2,2-Dichloropropane	< .001	mg/kg			WG529231	04/02/11 19:31
2-Butanone (MEK)	< .01	mg/kg			WG529231	04/02/11 19:31
2-Chloroethyl vinyl ether	< .05	mg/kg			WG529231	04/02/11 19:31
2-Chlorotoluene	< .001	mg/kg			WG529231	04/02/11 19:31
4-Chlorotoluene	< .001	mg/kg			WG529231	04/02/11 19:31
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG529231	04/02/11 19:31
Acetone	< .05	mg/kg			WG529231	04/02/11 19:31
Acrylonitrile	< .01	mg/kg			WG529231	04/02/11 19:31
Benzene	< .001	mg/kg			WG529231	04/02/11 19:31
Bromobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Bromodichloromethane	< .001	mg/kg			WG529231	04/02/11 19:31
Bromoform	< .001	mg/kg			WG529231	04/02/11 19:31
Bromomethane	< .005	mg/kg			WG529231	04/02/11 19:31
Carbon tetrachloride	< .001	mg/kg			WG529231	04/02/11 19:31
Chlorobenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Chlorodibromomethane	< .001	mg/kg			WG529231	04/02/11 19:31
Chloroethane	< .005	mg/kg			WG529231	04/02/11 19:31
Chloroform	< .005	mg/kg			WG529231	04/02/11 19:31
Chloromethane	< .0025	mg/kg			WG529231	04/02/11 19:31
cis-1,2-Dichloroethene	< .001	mg/kg			WG529231	04/02/11 19:31
cis-1,3-Dichloropropene	< .001	mg/kg			WG529231	04/02/11 19:31
Di-isopropyl ether	< .001	mg/kg			WG529231	04/02/11 19:31
Dibromomethane	< .001	mg/kg			WG529231	04/02/11 19:31
Dichlorodifluoromethane	< .005	mg/kg			WG529231	04/02/11 19:31
Ethylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Hexachloro-1,3-butadiene	< .001	mg/kg			WG529231	04/02/11 19:31
Isopropylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Methyl tert-butyl ether	< .001	mg/kg			WG529231	04/02/11 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

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Methylene Chloride	< .005	mg/kg			WG529231	04/02/11 19:31
n-Butylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
n-Propylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Naphthalene	< .005	mg/kg			WG529231	04/02/11 19:31
p-Isopropyltoluene	< .001	mg/kg			WG529231	04/02/11 19:31
sec-Butylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Styrene	< .001	mg/kg			WG529231	04/02/11 19:31
tert-Butylbenzene	< .001	mg/kg			WG529231	04/02/11 19:31
Tetrachloroethene	< .001	mg/kg			WG529231	04/02/11 19:31
Toluene	< .005	mg/kg			WG529231	04/02/11 19:31
trans-1,2-Dichloroethene	< .001	mg/kg			WG529231	04/02/11 19:31
trans-1,3-Dichloropropene	< .001	mg/kg			WG529231	04/02/11 19:31
Trichloroethene	< .001	mg/kg			WG529231	04/02/11 19:31
Trichlorofluoromethane	< .005	mg/kg			WG529231	04/02/11 19:31
Vinyl chloride	< .001	mg/kg			WG529231	04/02/11 19:31
Xylenes, Total	< .003	mg/kg			WG529231	04/02/11 19:31
4-Bromofluorobenzene		% Rec.	96.01	59-140	WG529231	04/02/11 19:31
Dibromofluoromethane		% Rec.	110.6	63-139	WG529231	04/02/11 19:31
Toluene-d8		% Rec.	104.1	84-116	WG529231	04/02/11 19:31
a,a,a-Trifluorotoluene		% Rec.	104.2	80-118	WG529231	04/02/11 19:31
Arsenic	< 1	mg/kg			WG529143	04/03/11 12:02
Barium	< .25	mg/kg			WG529143	04/03/11 12:02
Cadmium	< .25	mg/kg			WG529143	04/03/11 12:02
Chromium	< .5	mg/kg			WG529143	04/03/11 12:02
Lead	< .25	mg/kg			WG529143	04/03/11 12:02
Selenium	< 1	mg/kg			WG529143	04/03/11 12:02
1,2,4-Trichlorobenzene	< .333	mg/kg			WG529151	04/04/11 13:03
2,4,6-Trichlorophenol	< .333	mg/kg			WG529151	04/04/11 13:03
2,4-Dichlorophenol	< .333	mg/kg			WG529151	04/04/11 13:03
2,4-Dimethylphenol	< .333	mg/kg			WG529151	04/04/11 13:03
2,4-Dinitrophenol	< .333	mg/kg			WG529151	04/04/11 13:03
2,4-Dinitrotoluene	< .333	mg/kg			WG529151	04/04/11 13:03
2,6-Dinitrotoluene	< .333	mg/kg			WG529151	04/04/11 13:03
2-Chloronaphthalene	< .033	mg/kg			WG529151	04/04/11 13:03
2-Chlorophenol	< .333	mg/kg			WG529151	04/04/11 13:03
2-Nitrophenol	< .333	mg/kg			WG529151	04/04/11 13:03
3,3-Dichlorobenzidine	< .333	mg/kg			WG529151	04/04/11 13:03
4,6-Dinitro-2-methylphenol	< .333	mg/kg			WG529151	04/04/11 13:03
4-Bromophenyl-phenylether	< .333	mg/kg			WG529151	04/04/11 13:03
4-Chloro-3-methylphenol	< .333	mg/kg			WG529151	04/04/11 13:03
4-Chlorophenyl-phenylether	< .333	mg/kg			WG529151	04/04/11 13:03
4-Nitrophenol	< .333	mg/kg			WG529151	04/04/11 13:03
Acenaphthene	< .033	mg/kg			WG529151	04/04/11 13:03
Acenaphthylene	< .033	mg/kg			WG529151	04/04/11 13:03
Anthracene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzidine	< .333	mg/kg			WG529151	04/04/11 13:03
Benzo(a)anthracene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzo(a)pyrene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzo(b)fluoranthene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzo(g,h,i)perylene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzo(k)fluoranthene	< .033	mg/kg			WG529151	04/04/11 13:03
Benzylbutyl phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Bis(2-chlorethoxy)methane	< .333	mg/kg			WG529151	04/04/11 13:03
Bis(2-chloroethyl)ether	< .333	mg/kg			WG529151	04/04/11 13:03
Bis(2-chloroisopropyl)ether	< .333	mg/kg			WG529151	04/04/11 13:03

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Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Bis(2-ethylhexyl)phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Chrysene	< .033	mg/kg			WG529151	04/04/11 13:03
Di-n-butyl phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Di-n-octyl phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Dibenz(a,h)anthracene	< .033	mg/kg			WG529151	04/04/11 13:03
Diethyl phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Dimethyl phthalate	< .333	mg/kg			WG529151	04/04/11 13:03
Fluoranthene	< .033	mg/kg			WG529151	04/04/11 13:03
Fluorene	< .033	mg/kg			WG529151	04/04/11 13:03
Hexachloro-1,3-butadiene	< .333	mg/kg			WG529151	04/04/11 13:03
Hexachlorobenzene	< .333	mg/kg			WG529151	04/04/11 13:03
Hexachlorocyclopentadiene	< .333	mg/kg			WG529151	04/04/11 13:03
Hexachloroethane	< .333	mg/kg			WG529151	04/04/11 13:03
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG529151	04/04/11 13:03
Isophorone	< .333	mg/kg			WG529151	04/04/11 13:03
n-Nitrosodi-n-propylamine	< .333	mg/kg			WG529151	04/04/11 13:03
n-Nitrosodimethylamine	< .333	mg/kg			WG529151	04/04/11 13:03
n-Nitrosodiphenylamine	< .333	mg/kg			WG529151	04/04/11 13:03
Naphthalene	< .033	mg/kg			WG529151	04/04/11 13:03
Nitrobenzene	< .333	mg/kg			WG529151	04/04/11 13:03
Pentachlorophenol	< .333	mg/kg			WG529151	04/04/11 13:03
Phenanthrene	< .033	mg/kg			WG529151	04/04/11 13:03
Phenol	< .333	mg/kg			WG529151	04/04/11 13:03
Pyrene	< .033	mg/kg			WG529151	04/04/11 13:03
2,4,6-Tribromophenol		mg/kg	53.83	25-137	WG529151	04/04/11 13:03
2-Fluorobiphenyl		mg/kg	67.27	30-120	WG529151	04/04/11 13:03
2-Fluorophenol		mg/kg	59.41	26-130	WG529151	04/04/11 13:03
Nitrobenzene-d5		mg/kg	53.87	18-119	WG529151	04/04/11 13:03
Phenol-d5		mg/kg	72.73	37-141	WG529151	04/04/11 13:03
p-Terphenyl-d14		mg/kg	90.06	23-143	WG529151	04/04/11 13:03
PCB 1016	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1221	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1232	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1242	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1248	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1254	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1260	< .017	mg/kg			WG529162	04/04/11 11:01
PCB 1016	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1221	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1232	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1242	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1248	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1254	< .017	mg/kg			WG529271	04/04/11 09:20
PCB 1260	< .017	mg/kg			WG529271	04/04/11 09:20
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,1,1-Trichloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,1,2-Trichloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,1-Dichloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,1-Dichloropropene	< .001	mg/kg			WG529119	04/02/11 09:45
1,2,3-Trichlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
1,2,3-Trichloropropane	< .0025	mg/kg			WG529119	04/02/11 09:45
1,2,4-Trichlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45

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Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,2,4-Trimethylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
1,2-Dibromoethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,2-Dichlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
1,2-Dichloroethane	< .001	mg/kg			WG529119	04/02/11 09:45
1,2-Dichloropropane	< .001	mg/kg			WG529119	04/02/11 09:45
1,3,5-Trimethylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
1,3-Dichlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
1,3-Dichloropropane	< .001	mg/kg			WG529119	04/02/11 09:45
1,4-Dichlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
2,2-Dichloropropane	< .001	mg/kg			WG529119	04/02/11 09:45
2-Butanone (MEK)	< .01	mg/kg			WG529119	04/02/11 09:45
2-Chloroethyl vinyl ether	< .05	mg/kg			WG529119	04/02/11 09:45
2-Chlorotoluene	< .001	mg/kg			WG529119	04/02/11 09:45
4-Chlorotoluene	< .001	mg/kg			WG529119	04/02/11 09:45
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG529119	04/02/11 09:45
Acetone	< .05	mg/kg			WG529119	04/02/11 09:45
Acrylonitrile	< .01	mg/kg			WG529119	04/02/11 09:45
Benzene	< .001	mg/kg			WG529119	04/02/11 09:45
Bromobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Bromodichloromethane	< .001	mg/kg			WG529119	04/02/11 09:45
Bromoform	< .001	mg/kg			WG529119	04/02/11 09:45
Bromomethane	< .005	mg/kg			WG529119	04/02/11 09:45
Carbon tetrachloride	< .001	mg/kg			WG529119	04/02/11 09:45
Chlorobenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Chlorodibromomethane	< .001	mg/kg			WG529119	04/02/11 09:45
Chloroform	< .005	mg/kg			WG529119	04/02/11 09:45
Chloromethane	< .0025	mg/kg			WG529119	04/02/11 09:45
cis-1,2-Dichloroethene	< .001	mg/kg			WG529119	04/02/11 09:45
cis-1,3-Dichloropropene	< .001	mg/kg			WG529119	04/02/11 09:45
Di-isopropyl ether	< .001	mg/kg			WG529119	04/02/11 09:45
Dibromomethane	< .001	mg/kg			WG529119	04/02/11 09:45
Dichlorodifluoromethane	< .005	mg/kg			WG529119	04/02/11 09:45
Ethylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Hexachloro-1,3-butadiene	< .001	mg/kg			WG529119	04/02/11 09:45
Isopropylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Methyl tert-butyl ether	< .001	mg/kg			WG529119	04/02/11 09:45
Methylene Chloride	< .005	mg/kg			WG529119	04/02/11 09:45
n-Butylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
n-Propylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Naphthalene	< .005	mg/kg			WG529119	04/02/11 09:45
p-Isopropyltoluene	< .001	mg/kg			WG529119	04/02/11 09:45
sec-Butylbenzene	< .001	mg/kg			WG529119	04/02/11 09:45
Styrene	< .001	mg/kg			WG529119	04/02/11 09:45
Tetrachloroethene	< .001	mg/kg			WG529119	04/02/11 09:45
Toluene	< .005	mg/kg			WG529119	04/02/11 09:45
trans-1,2-Dichloroethene	< .001	mg/kg			WG529119	04/02/11 09:45
trans-1,3-Dichloropropene	< .001	mg/kg			WG529119	04/02/11 09:45
Trichloroethene	< .001	mg/kg			WG529119	04/02/11 09:45
Trichlorofluoromethane	< .005	mg/kg			WG529119	04/02/11 09:45
Vinyl chloride	< .001	mg/kg			WG529119	04/02/11 09:45
Xylenes, Total	< .003	mg/kg			WG529119	04/02/11 09:45
4-Bromofluorobenzene		% Rec.	107.1	59-140	WG529119	04/02/11 09:45
Dibromofluoromethane		% Rec.	111.0	63-139	WG529119	04/02/11 09:45
Toluene-d8		% Rec.	104.0	84-116	WG529119	04/02/11 09:45
a,a,a-Trifluorotoluene		% Rec.	109.4	80-118	WG529119	04/02/11 09:45

Mercury	< .02	mg/kg			WG529095	04/04/11 09:26

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Est. 1970

S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .02	mg/kg			WG529096	04/04/11 10:46
1,2,4-Trichlorobenzene	< .333	mg/kg			WG529152	04/04/11 14:04
2,4,6-Trichlorophenol	< .333	mg/kg			WG529152	04/04/11 14:04
2,4-Dichlorophenol	< .333	mg/kg			WG529152	04/04/11 14:04
2,4-Dimethylphenol	< .333	mg/kg			WG529152	04/04/11 14:04
2,4-Dinitrophenol	< .333	mg/kg			WG529152	04/04/11 14:04
2,4-Dinitrotoluene	< .333	mg/kg			WG529152	04/04/11 14:04
2,6-Dinitrotoluene	< .333	mg/kg			WG529152	04/04/11 14:04
2-Chloronaphthalene	< .033	mg/kg			WG529152	04/04/11 14:04
2-Chlorophenol	< .333	mg/kg			WG529152	04/04/11 14:04
2-Nitrophenol	< .333	mg/kg			WG529152	04/04/11 14:04
3,3-Dichlorobenzidine	< .333	mg/kg			WG529152	04/04/11 14:04
4,6-Dinitro-2-methylphenol	< .333	mg/kg			WG529152	04/04/11 14:04
4-Bromophenyl-phenylether	< .333	mg/kg			WG529152	04/04/11 14:04
4-Chloro-3-methylphenol	< .333	mg/kg			WG529152	04/04/11 14:04
4-Chlorophenyl-phenylether	< .333	mg/kg			WG529152	04/04/11 14:04
4-Nitrophenol	< .333	mg/kg			WG529152	04/04/11 14:04
Acenaphthene	< .033	mg/kg			WG529152	04/04/11 14:04
Acenaphthylene	< .033	mg/kg			WG529152	04/04/11 14:04
Anthracene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzidine	< .333	mg/kg			WG529152	04/04/11 14:04
Benzo(a)anthracene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzo(a)pyrene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzo(b)fluoranthene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzo(g,h,i)perylene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzo(k)fluoranthene	< .033	mg/kg			WG529152	04/04/11 14:04
Benzylbutyl phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Bis(2-chlorethoxy)methane	< .333	mg/kg			WG529152	04/04/11 14:04
Bis(2-chloroethyl)ether	< .333	mg/kg			WG529152	04/04/11 14:04
Bis(2-chloroisopropyl)ether	< .333	mg/kg			WG529152	04/04/11 14:04
Bis(2-ethylhexyl)phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Chrysene	< .033	mg/kg			WG529152	04/04/11 14:04
Di-n-butyl phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Di-n-octyl phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Dibenz(a,h)anthracene	< .033	mg/kg			WG529152	04/04/11 14:04
Diethyl phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Dimethyl phthalate	< .333	mg/kg			WG529152	04/04/11 14:04
Fluoranthene	< .033	mg/kg			WG529152	04/04/11 14:04
Fluorene	< .033	mg/kg			WG529152	04/04/11 14:04
Hexachloro-1,3-butadiene	< .333	mg/kg			WG529152	04/04/11 14:04
Hexachlorobenzene	< .333	mg/kg			WG529152	04/04/11 14:04
Hexachlorocyclopentadiene	< .333	mg/kg			WG529152	04/04/11 14:04
Hexachloroethane	< .333	mg/kg			WG529152	04/04/11 14:04
Indeno(1,2,3-cd)pyrene	< .033	mg/kg			WG529152	04/04/11 14:04
Isophorone	< .333	mg/kg			WG529152	04/04/11 14:04
n-Nitrosodi-n-propylamine	< .333	mg/kg			WG529152	04/04/11 14:04
n-Nitrosodimethylamine	< .333	mg/kg			WG529152	04/04/11 14:04
n-Nitrosodiphenylamine	< .333	mg/kg			WG529152	04/04/11 14:04
Naphthalene	< .033	mg/kg			WG529152	04/04/11 14:04
Nitrobenzene	< .333	mg/kg			WG529152	04/04/11 14:04
Pentachlorophenol	< .333	mg/kg			WG529152	04/04/11 14:04
Phenanthrene	< .033	mg/kg			WG529152	04/04/11 14:04
Phenol	< .333	mg/kg			WG529152	04/04/11 14:04
Pyrene	< .033	mg/kg			WG529152	04/04/11 14:04
2,4,6-Tribromophenol		mg/kg	64.48	25-137	WG529152	04/04/11 14:04
2-Fluorobiphenyl		mg/kg	76.90	30-120	WG529152	04/04/11 14:04

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Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
2-Fluorophenol		mg/kg	68.34	26-130		04/04/11 14:04
Nitrobenzene-d5		mg/kg	64.24	18-119		04/04/11 14:04
Phenol-d5		mg/kg	79.82	37-141		04/04/11 14:04
p-Terphenyl-d14		mg/kg	103.7	23-143		04/04/11 14:04
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,1,1-Trichloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,1,2-Trichloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,1-Dichloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,1-Dichloroethene	< .001	mg/kg			WG529454	04/04/11 22:29
1,1-Dichloropropene	< .001	mg/kg			WG529454	04/04/11 22:29
1,2,3-Trichlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,2,3-Trichloropropane	< .0025	mg/kg			WG529454	04/04/11 22:29
1,2,4-Trichlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,2,4-Trimethylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG529454	04/04/11 22:29
1,2-Dibromoethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,2-Dichlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,2-Dichloroethane	< .001	mg/kg			WG529454	04/04/11 22:29
1,2-Dichloropropane	< .001	mg/kg			WG529454	04/04/11 22:29
1,3,5-Trimethylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,3-Dichlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
1,3-Dichloropropane	< .001	mg/kg			WG529454	04/04/11 22:29
1,4-Dichlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
2,2-Dichloropropane	< .001	mg/kg			WG529454	04/04/11 22:29
2-Butanone (MEK)	< .01	mg/kg			WG529454	04/04/11 22:29
2-Chloroethyl vinyl ether	< .05	mg/kg			WG529454	04/04/11 22:29
2-Chlorotoluene	< .001	mg/kg			WG529454	04/04/11 22:29
4-Chlorotoluene	< .001	mg/kg			WG529454	04/04/11 22:29
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG529454	04/04/11 22:29
Acetone	< .05	mg/kg			WG529454	04/04/11 22:29
Acrylonitrile	< .01	mg/kg			WG529454	04/04/11 22:29
Benzene	< .001	mg/kg			WG529454	04/04/11 22:29
Bromobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Bromodichloromethane	< .001	mg/kg			WG529454	04/04/11 22:29
Bromoform	< .001	mg/kg			WG529454	04/04/11 22:29
Bromomethane	< .005	mg/kg			WG529454	04/04/11 22:29
Carbon tetrachloride	< .001	mg/kg			WG529454	04/04/11 22:29
Chlorobenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Chlorodibromomethane	< .001	mg/kg			WG529454	04/04/11 22:29
Chloroethane	< .005	mg/kg			WG529454	04/04/11 22:29
Chloroform	< .005	mg/kg			WG529454	04/04/11 22:29
Chloromethane	< .0025	mg/kg			WG529454	04/04/11 22:29
cis-1,2-Dichloroethene	< .001	mg/kg			WG529454	04/04/11 22:29
cis-1,3-Dichloropropene	< .001	mg/kg			WG529454	04/04/11 22:29
Di-isopropyl ether	< .001	mg/kg			WG529454	04/04/11 22:29
Dibromomethane	< .001	mg/kg			WG529454	04/04/11 22:29
Dichlorodifluoromethane	< .005	mg/kg			WG529454	04/04/11 22:29
Ethylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Hexachloro-1,3-butadiene	< .001	mg/kg			WG529454	04/04/11 22:29
Isopropylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Methyl tert-butyl ether	< .001	mg/kg			WG529454	04/04/11 22:29
Methylene Chloride	< .005	mg/kg			WG529454	04/04/11 22:29
n-Butylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
n-Propylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Naphthalene	< .005	mg/kg			WG529454	04/04/11 22:29
p-Isopropyltoluene	< .001	mg/kg			WG529454	04/04/11 22:29
sec-Butylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Styrene	< .001	mg/kg			WG529454	04/04/11 22:29

* Performance of this Analyte is outside of established criteria.
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Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
tert-Butylbenzene	< .001	mg/kg			WG529454	04/04/11 22:29
Tetrachloroethene	< .001	mg/kg			WG529454	04/04/11 22:29
Toluene	< .005	mg/kg			WG529454	04/04/11 22:29
trans-1,2-Dichloroethene	< .001	mg/kg			WG529454	04/04/11 22:29
trans-1,3-Dichloropropene	< .001	mg/kg			WG529454	04/04/11 22:29
Trichloroethene	< .001	mg/kg			WG529454	04/04/11 22:29
Trichlorofluoromethane	< .005	mg/kg			WG529454	04/04/11 22:29
Vinyl chloride	< .001	mg/kg			WG529454	04/04/11 22:29
Xylenes, Total	< .003	mg/kg			WG529454	04/04/11 22:29
4-Bromofluorobenzene		% Rec.	101.9	59-140	WG529454	04/04/11 22:29
Dibromofluoromethane		% Rec.	97.61	63-139	WG529454	04/04/11 22:29
Toluene-d8		% Rec.	99.75	84-116	WG529454	04/04/11 22:29
a,a,a-Trifluorotoluene		% Rec.	109.7	80-118	WG529454	04/04/11 22:29
Silver	< .5	mg/kg			WG529308	04/04/11 18:40
Arsenic	< 1	mg/kg			WG529265	04/04/11 13:13
Barium	< .25	mg/kg			WG529265	04/04/11 13:13
Cadmium	< .25	mg/kg			WG529265	04/04/11 13:13
Chromium	< .5	mg/kg			WG529265	04/04/11 13:13
Lead	< .25	mg/kg			WG529265	04/04/11 13:13
Selenium	< 1	mg/kg			WG529265	04/04/11 13:13
Silver	< .5	mg/kg			WG529265	04/04/11 13:13
Mercury	< .02	mg/kg			WG529226	04/05/11 12:40
Total Solids	< .1	%			WG529433	04/06/11 08:19
Total Solids	< .1	%			WG529434	04/06/11 08:25
Total Solids	< .1	%			WG529435	04/06/11 08:36

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Arsenic	mg/kg	2.10	1.20	53.2*	20	L509137-04	WG529143
Barium	mg/kg	57.0	38.0	40.5*	20	L509137-04	WG529143
Cadmium	mg/kg	0	0	0	20	L509137-04	WG529143
Chromium	mg/kg	9.20	8.40	9.31	20	L509137-04	WG529143
Lead	mg/kg	15.0	13.0	14.9	20	L509137-04	WG529143
Selenium	mg/kg	0	0	0	20	L509137-04	WG529143
Mercury	mg/kg	0.00260	0.00410	44.8*	20	L508983-99	WG529096
Mercury	mg/kg	0.00430	0.00700	47.8*	20	L509085-08	WG529095
Silver	mg/kg	0	0	0	20	L509225-38	WG529308
Arsenic	mg/kg	5.00	5.10	2.18	20	L508983-101	WG529265

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L509137

April 06, 2011

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Barium	mg/kg	110.	110.	3.57	20	L508983-101	WG529265
Cadmium	mg/kg	0	0	0	20	L508983-101	WG529265
Chromium	mg/kg	14.0	14.0	0.717	20	L508983-101	WG529265
Lead	mg/kg	9.20	8.60	6.74	20	L508983-101	WG529265
Selenium	mg/kg	0	0	0	20	L508983-101	WG529265
Silver	mg/kg	0	0	0	20	L508983-101	WG529265
Mercury	mg/kg	0.00400	0.00450	11.8	20	L509202-12	WG529226
Total Solids	%	86.0	85.9	0.347	5	L509137-05	WG529433
Total Solids	%	88.0	84.6	3.62	5	L509137-15	WG529434
Total Solids	%	86.0	86.2	0.207	5	L509137-16	WG529435

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
			Laboratory Control Sample			
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0268	107.	73-134	WG529118
1,1,1-Trichloroethane	mg/kg	.025	0.0203	81.0	62-135	WG529118
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0255	102.	74-129	WG529118
1,1,2-Trichloroethane	mg/kg	.025	0.0267	107.	77-124	WG529118
1,1-Dichloroethane	mg/kg	.025	0.0205	82.0	61-134	WG529118
1,1-Dichloroethene	mg/kg	.025	0.0219	87.6	53-136	WG529118
1,1-Dichloropropene	mg/kg	.025	0.0207	82.7	63-132	WG529118
1,2,3-Trichlorobenzene	mg/kg	.025	0.0224	89.4	62-146	WG529118
1,2,3-Trichloropropane	mg/kg	.025	0.0273	109.	70-133	WG529118
1,2,4-Trichlorobenzene	mg/kg	.025	0.0225	89.9	61-148	WG529118
1,2,4-Trimethylbenzene	mg/kg	.025	0.0256	103.	68-135	WG529118
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0253	101.	61-134	WG529118
1,2-Dibromoethane	mg/kg	.025	0.0278	111.	76-127	WG529118
1,2-Dichlorobenzene	mg/kg	.025	0.0244	97.4	77-123	WG529118
1,2-Dichloroethane	mg/kg	.025	0.0203	81.0	58-141	WG529118
1,2-Dichloropropane	mg/kg	.025	0.0233	93.1	71-128	WG529118
1,3,5-Trimethylbenzene	mg/kg	.025	0.0248	99.4	71-133	WG529118
1,3-Dichlorobenzene	mg/kg	.025	0.0272	109.	71-132	WG529118
1,3-Dichloropropane	mg/kg	.025	0.0255	102.	76-120	WG529118
1,4-Dichlorobenzene	mg/kg	.025	0.0235	93.8	72-123	WG529118
2,2-Dichloropropane	mg/kg	.025	0.0183	73.4	50-147	WG529118
2-Butanone (MEK)	mg/kg	.125	0.113	90.7	51-131	WG529118
2-Chloroethyl vinyl ether	mg/kg	.125	0.0996	79.7	0-188	WG529118
2-Chlorotoluene	mg/kg	.025	0.0245	98.2	73-128	WG529118
4-Chlorotoluene	mg/kg	.025	0.0241	96.4	72-129	WG529118
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.132	105.	61-143	WG529118
Acetone	mg/kg	.125	0.116	92.6	44-140	WG529118
Acrylonitrile	mg/kg	.125	0.124	99.4	55-143	WG529118
Benzene	mg/kg	.025	0.0213	85.3	65-128	WG529118
Bromobenzene	mg/kg	.025	0.0230	92.2	75-123	WG529118
Bromodichloromethane	mg/kg	.025	0.0228	91.4	66-126	WG529118
Bromoform	mg/kg	.025	0.0300	120.	64-139	WG529118
Bromomethane	mg/kg	.025	0.0220	88.0	41-175	WG529118
Carbon tetrachloride	mg/kg	.025	0.0209	83.7	60-140	WG529118
Chlorobenzene	mg/kg	.025	0.0267	107.	75-125	WG529118
Chlorodibromomethane	mg/kg	.025	0.0281	112.	72-137	WG529118
Chloroethane	mg/kg	.025	0.0196	78.5	44-159	WG529118

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L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chloroform	mg/kg	.025	0.0202	80.6	63-123	WG529118
Chloromethane	mg/kg	.025	0.0211	84.3	42-149	WG529118
cis-1,2-Dichloroethene	mg/kg	.025	0.0223	89.1	71-129	WG529118
cis-1,3-Dichloropropene	mg/kg	.025	0.0231	92.4	73-132	WG529118
Di-isopropyl ether	mg/kg	.025	0.0217	86.7	59-143	WG529118
Dibromomethane	mg/kg	.025	0.0240	95.9	70-130	WG529118
Dichlorodifluoromethane	mg/kg	.025	0.0176	70.3	26-186	WG529118
Ethylbenzene	mg/kg	.025	0.0264	106.	74-128	WG529118
Hexachloro-1,3-butadiene	mg/kg	.025	0.0226	90.3	65-137	WG529118
Isopropylbenzene	mg/kg	.025	0.0253	101.	73-130	WG529118
Methyl tert-butyl ether	mg/kg	.025	0.0209	83.8	44-148	WG529118
Methylene Chloride	mg/kg	.025	0.0210	84.0	57-129	WG529118
n-Butylbenzene	mg/kg	.025	0.0213	85.2	60-145	WG529118
n-Propylbenzene	mg/kg	.025	0.0242	97.0	71-132	WG529118
Naphthalene	mg/kg	.025	0.0234	93.5	61-142	WG529118
p-Isopropyltoluene	mg/kg	.025	0.0259	104.	67-138	WG529118
sec-Butylbenzene	mg/kg	.025	0.0257	103.	71-134	WG529118
Styrene	mg/kg	.025	0.0278	111.	76-133	WG529118
tert-Butylbenzene	mg/kg	.025	0.0275	110.	72-132	WG529118
Tetrachloroethene	mg/kg	.025	0.0274	110.	65-135	WG529118
Toluene	mg/kg	.025	0.0231	92.6	70-120	WG529118
trans-1,2-Dichloroethene	mg/kg	.025	0.0223	89.2	61-133	WG529118
trans-1,3-Dichloropropene	mg/kg	.025	0.0232	92.6	70-135	WG529118
Trichloroethene	mg/kg	.025	0.0244	97.5	71-126	WG529118
Trichlorofluoromethane	mg/kg	.025	0.0192	76.7	52-147	WG529118
Vinyl chloride	mg/kg	.025	0.0217	86.6	50-151	WG529118
Xylenes, Total	mg/kg	.075	0.0774	103.	74-127	WG529118
4-Bromofluorobenzene				101.5	59-140	WG529118
Dibromofluoromethane				92.71	63-139	WG529118
Toluene-d8				98.49	84-116	WG529118
a,a,a-Trifluorotoluene				106.1	80-118	WG529118
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0292	117.	73-134	WG529231
1,1,1-Trichloroethane	mg/kg	.025	0.0286	115.	62-135	WG529231
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0265	106.	74-129	WG529231
1,1,2-Trichloroethane	mg/kg	.025	0.0264	106.	77-124	WG529231
1,1-Dichloroethane	mg/kg	.025	0.0294	117.	61-134	WG529231
1,1-Dichloroethene	mg/kg	.025	0.0290	116.	53-136	WG529231
1,1-Dichloropropene	mg/kg	.025	0.0288	115.	63-132	WG529231
1,2,3-Trichlorobenzene	mg/kg	.025	0.0259	104.	62-146	WG529231
1,2,3-Trichloropropane	mg/kg	.025	0.0254	102.	70-133	WG529231
1,2,4-Trichlorobenzene	mg/kg	.025	0.0270	108.	61-148	WG529231
1,2,4-Trimethylbenzene	mg/kg	.025	0.0284	113.	68-135	WG529231
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0219	87.7	61-134	WG529231
1,2-Dibromoethane	mg/kg	.025	0.0272	109.	76-127	WG529231
1,2-Dichlorobenzene	mg/kg	.025	0.0275	110.	77-123	WG529231
1,2-Dichloroethane	mg/kg	.025	0.0277	111.	58-141	WG529231
1,2-Dichloropropane	mg/kg	.025	0.0267	107.	71-128	WG529231
1,3,5-Trimethylbenzene	mg/kg	.025	0.0289	116.	71-133	WG529231
1,3-Dichlorobenzene	mg/kg	.025	0.0272	109.	71-132	WG529231
1,3-Dichloropropane	mg/kg	.025	0.0257	103.	76-120	WG529231
1,4-Dichlorobenzene	mg/kg	.025	0.0268	107.	72-123	WG529231
2,2-Dichloropropane	mg/kg	.025	0.0302	121.	50-147	WG529231
2-Butanone (MEK)	mg/kg	.125	0.126	101.	51-131	WG529231
2-Chloroethyl vinyl ether	mg/kg	.125	0.103	82.6	0-188	WG529231
2-Chlorotoluene	mg/kg	.025	0.0306	122.	73-128	WG529231
4-Chlorotoluene	mg/kg	.025	0.0279	112.	72-129	WG529231
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.130	104.	61-143	WG529231

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L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Acetone	mg/kg	.125	0.132	106.	44-140	WG529231
Acrylonitrile	mg/kg	.125	0.131	105.	55-143	WG529231
Benzene	mg/kg	.025	0.0285	114.	65-128	WG529231
Bromobenzene	mg/kg	.025	0.0271	108.	75-123	WG529231
Bromodichloromethane	mg/kg	.025	0.0280	112.	66-126	WG529231
Bromoform	mg/kg	.025	0.0270	108.	64-139	WG529231
Bromomethane	mg/kg	.025	0.0395	158.	41-175	WG529231
Carbon tetrachloride	mg/kg	.025	0.0314	126.	60-140	WG529231
Chlorobenzene	mg/kg	.025	0.0277	111.	75-125	WG529231
Chlorodibromomethane	mg/kg	.025	0.0293	117.	72-137	WG529231
Chloroethane	mg/kg	.025	0.0329	132.	44-159	WG529231
Chloroform	mg/kg	.025	0.0285	114.	63-123	WG529231
Chloromethane	mg/kg	.025	0.0298	119.	42-149	WG529231
cis-1,2-Dichloroethene	mg/kg	.025	0.0293	117.	71-129	WG529231
cis-1,3-Dichloropropene	mg/kg	.025	0.0293	117.	73-132	WG529231
Di-isopropyl ether	mg/kg	.025	0.0295	118.	59-143	WG529231
Dibromomethane	mg/kg	.025	0.0255	102.	70-130	WG529231
Dichlorodifluoromethane	mg/kg	.025	0.0286	114.	26-186	WG529231
Ethylbenzene	mg/kg	.025	0.0279	112.	74-128	WG529231
Hexachloro-1,3-butadiene	mg/kg	.025	0.0270	108.	65-137	WG529231
Isopropylbenzene	mg/kg	.025	0.0285	114.	73-130	WG529231
Methyl tert-butyl ether	mg/kg	.025	0.0279	112.	44-148	WG529231
Methylene Chloride	mg/kg	.025	0.0254	102.	57-129	WG529231
n-Butylbenzene	mg/kg	.025	0.0291	116.	60-145	WG529231
n-Propylbenzene	mg/kg	.025	0.0281	112.	71-132	WG529231
Naphthalene	mg/kg	.025	0.0262	105.	61-142	WG529231
p-Isopropyltoluene	mg/kg	.025	0.0305	122.	67-138	WG529231
sec-Butylbenzene	mg/kg	.025	0.0294	117.	71-134	WG529231
Styrene	mg/kg	.025	0.0291	117.	76-133	WG529231
tert-Butylbenzene	mg/kg	.025	0.0290	116.	72-132	WG529231
Tetrachloroethene	mg/kg	.025	0.0282	113.	65-135	WG529231
Toluene	mg/kg	.025	0.0287	115.	70-120	WG529231
trans-1,2-Dichloroethene	mg/kg	.025	0.0276	110.	61-133	WG529231
trans-1,3-Dichloropropene	mg/kg	.025	0.0252	101.	70-135	WG529231
Trichloroethene	mg/kg	.025	0.0271	108.	71-126	WG529231
Trichlorofluoromethane	mg/kg	.025	0.0329	132.	52-147	WG529231
Vinyl chloride	mg/kg	.025	0.0293	117.	50-151	WG529231
Xylenes, Total	mg/kg	.075	0.0827	110.	74-127	WG529231
4-Bromofluorobenzene				97.36	59-140	WG529231
Dibromofluoromethane				109.1	63-139	WG529231
Toluene-d8				104.4	84-116	WG529231
a,a,a-Trifluorotoluene				102.9	80-118	WG529231
Arsenic	mg/kg	192	175.	91.1	78.6-120.8	WG529143
Barium	mg/kg	420	370.	88.1	78.8-121.4	WG529143
Cadmium	mg/kg	70.1	65.4	93.3	78.5-121.5	WG529143
Chromium	mg/kg	168	153.	91.1	80.4-120.2	WG529143
Lead	mg/kg	113	107.	94.7	77.3-122.1	WG529143
Selenium	mg/kg	176	174.	98.9	75.6-125.0	WG529143
1,2,4-Trichlorobenzene	mg/kg	.333	0.210	62.9	50-141	WG529151
2,4,6-Trichlorophenol	mg/kg	.333	0.201	60.3	46-110	WG529151
2,4-Dichlorophenol	mg/kg	.333	0.205	61.7	47-107	WG529151
2,4-Dimethylphenol	mg/kg	.333	0.221	66.3	55-173	WG529151
2,4-Dinitrophenol	mg/kg	.333	0.140	41.9	10-127	WG529151
2,4-Dinitrotoluene	mg/kg	.333	0.231	69.4	49-119	WG529151
2,6-Dinitrotoluene	mg/kg	.333	0.222	66.8	52-114	WG529151

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Chloronaphthalene	mg/kg	.333	0.230	69.1	45-110	WG529151
2-Chlorophenol	mg/kg	.333	0.211	63.5	40-105	WG529151
2-Nitrophenol	mg/kg	.333	0.248	74.5	45-110	WG529151
3,3-Dichlorobenzidine	mg/kg	.333	0.164	49.2	31-105	WG529151
4,6-Dinitro-2-methylphenol	mg/kg	.333	0.130	39.0	20-117	WG529151
4-Bromophenyl-phenylether	mg/kg	.333	0.267	80.3	37-114	WG529151
4-Chloro-3-methylphenol	mg/kg	.333	0.234	70.3	47-110	WG529151
4-Chlorophenyl-phenylether	mg/kg	.333	0.255	76.5	50-116	WG529151
4-Nitrophenol	mg/kg	.333	0.183	54.8	30-119	WG529151
Acenaphthene	mg/kg	.333	0.232	69.6	41-114	WG529151
Acenaphthylene	mg/kg	.333	0.250	75.1	41-119	WG529151
Anthracene	mg/kg	.333	0.257	77.1	45-118	WG529151
Benzidine	mg/kg	.333	0.000803	0.241	0-13	WG529151
Benzo(a)anthracene	mg/kg	.333	0.248	74.4	44-118	WG529151
Benzo(a)pyrene	mg/kg	.333	0.249	74.9	44-116	WG529151
Benzo(b)fluoranthene	mg/kg	.333	0.247	74.3	37-122	WG529151
Benzo(g,h,i)perylene	mg/kg	.333	0.202	60.7	32-132	WG529151
Benzo(k)fluoranthene	mg/kg	.333	0.255	76.5	35-123	WG529151
Benzylbutyl phthalate	mg/kg	.333	0.322	96.7	47-130	WG529151
Bis(2-chlorethoxy)methane	mg/kg	.333	0.270	81.1	46-115	WG529151
Bis(2-chloroethyl)ether	mg/kg	.333	0.266	79.8	36-113	WG529151
Bis(2-chloroisopropyl)ether	mg/kg	.333	0.250	75.0	42-112	WG529151
Bis(2-ethylhexyl)phthalate	mg/kg	.333	0.319	95.6	46-131	WG529151
Chrysene	mg/kg	.333	0.252	75.8	44-118	WG529151
Di-n-butyl phthalate	mg/kg	.333	0.285	85.7	46-133	WG529151
Di-n-octyl phthalate	mg/kg	.333	0.286	85.9	42-130	WG529151
Dibenz(a,h)anthracene	mg/kg	.333	0.194	58.2	34-127	WG529151
Diethyl phthalate	mg/kg	.333	0.263	79.0	53-119	WG529151
Dimethyl phthalate	mg/kg	.333	0.262	78.6	54-116	WG529151
Fluoranthene	mg/kg	.333	0.243	73.0	45-122	WG529151
Fluorene	mg/kg	.333	0.230	69.2	43-118	WG529151
Hexachloro-1,3-butadiene	mg/kg	.333	0.240	72.2	56-134	WG529151
Hexachlorobenzene	mg/kg	.333	0.237	71.3	43-123	WG529151
Hexachlorocyclopentadiene	mg/kg	.333	0.237	71.0	20-113	WG529151
Hexachloroethane	mg/kg	.333	0.204	61.3	34-101	WG529151
Indeno(1,2,3-cd)pyrene	mg/kg	.333	0.204	61.3	35-128	WG529151
Isophorone	mg/kg	.333	0.240	72.1	43-105	WG529151
n-Nitrosodi-n-propylamine	mg/kg	.333	0.258	77.5	37-121	WG529151
n-Nitrosodimethylamine	mg/kg	.333	0.257	77.3	25-132	WG529151
n-Nitrosodiphenylamine	mg/kg	.333	0.221	66.4	45-121	WG529151
Naphthalene	mg/kg	.333	0.225	67.5	32-144	WG529151
Nitrobenzene	mg/kg	.333	0.232	69.6	33-114	WG529151
Pentachlorophenol	mg/kg	.333	0.0768	23.1*	33-121	WG529151
Phenanthrene	mg/kg	.333	0.236	70.9	43-115	WG529151
Phenol	mg/kg	.333	0.227	68.1	43-106	WG529151
Pyrene	mg/kg	.333	0.264	79.4	41-123	WG529151
2,4,6-Tribromophenol				72.48	25-137	WG529151
2-Fluorobiphenyl				76.19	30-120	WG529151
2-Fluorophenol				77.35	26-130	WG529151
Nitrobenzene-d5				76.57	18-119	WG529151
Phenol-d5				88.62	37-141	WG529151
p-Terphenyl-d14				100.0	23-143	WG529151
PCB 1016	mg/kg	.167	0.119	71.0	70-130	WG529162
PCB 1260	mg/kg	.167	0.131	78.4	62-131	WG529162
PCB 1016	mg/kg	.167	0.131	78.4	70-130	WG529271

* Performance of this Analyte is outside of established criteria.
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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
PCB 1260	mg/kg	.167	0.145	87.1	62-131	WG529271
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0244	97.8	73-134	WG529119
1,1,1-Trichloroethane	mg/kg	.025	0.0258	103.	62-135	WG529119
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0284	113.	74-129	WG529119
1,1,2-Trichloroethane	mg/kg	.025	0.0255	102.	77-124	WG529119
1,1-Dichloroethane	mg/kg	.025	0.0250	100.	61-134	WG529119
1,1-Dichloropropene	mg/kg	.025	0.0238	95.4	63-132	WG529119
1,2,3-Trichlorobenzene	mg/kg	.025	0.0274	110.	62-146	WG529119
1,2,3-Trichloropropane	mg/kg	.025	0.0296	118.	70-133	WG529119
1,2,4-Trichlorobenzene	mg/kg	.025	0.0261	104.	61-148	WG529119
1,2,4-Trimethylbenzene	mg/kg	.025	0.0267	107.	68-135	WG529119
1,2-Dibromoethane	mg/kg	.025	0.0255	102.	76-127	WG529119
1,2-Dichlorobenzene	mg/kg	.025	0.0266	106.	77-123	WG529119
1,2-Dichloroethane	mg/kg	.025	0.0290	116.	58-141	WG529119
1,2-Dichloropropane	mg/kg	.025	0.0247	98.9	71-128	WG529119
1,3,5-Trimethylbenzene	mg/kg	.025	0.0262	105.	71-133	WG529119
1,3-Dichlorobenzene	mg/kg	.025	0.0258	103.	71-132	WG529119
1,3-Dichloropropane	mg/kg	.025	0.0247	98.7	76-120	WG529119
1,4-Dichlorobenzene	mg/kg	.025	0.0283	113.	72-123	WG529119
2,2-Dichloropropane	mg/kg	.025	0.0243	97.2	50-147	WG529119
2-Butanone (MEK)	mg/kg	.125	0.133	107.	51-131	WG529119
2-Chloroethyl vinyl ether	mg/kg	.125	0.131	105.	0-188	WG529119
2-Chlorotoluene	mg/kg	.025	0.0292	117.	73-128	WG529119
4-Chlorotoluene	mg/kg	.025	0.0259	104.	72-129	WG529119
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.137	110.	61-143	WG529119
Acetone	mg/kg	.125	0.125	100.	44-140	WG529119
Acrylonitrile	mg/kg	.125	0.146	116.	55-143	WG529119
Benzene	mg/kg	.025	0.0237	94.9	65-128	WG529119
Bromobenzene	mg/kg	.025	0.0294	118.	75-123	WG529119
Bromodichloromethane	mg/kg	.025	0.0274	110.	66-126	WG529119
Bromoform	mg/kg	.025	0.0232	92.7	64-139	WG529119
Bromomethane	mg/kg	.025	0.0286	114.	41-175	WG529119
Carbon tetrachloride	mg/kg	.025	0.0251	100.	60-140	WG529119
Chlorobenzene	mg/kg	.025	0.0244	97.8	75-125	WG529119
Chlorodibromomethane	mg/kg	.025	0.0252	101.	72-137	WG529119
Chloroform	mg/kg	.025	0.0267	107.	63-123	WG529119
Chloromethane	mg/kg	.025	0.0248	99.2	42-149	WG529119
cis-1,2-Dichloroethene	mg/kg	.025	0.0230	92.1	71-129	WG529119
cis-1,3-Dichloropropene	mg/kg	.025	0.0236	94.6	73-132	WG529119
Di-isopropyl ether	mg/kg	.025	0.0232	93.0	59-143	WG529119
Dibromomethane	mg/kg	.025	0.0265	106.	70-130	WG529119
Dichlorodifluoromethane	mg/kg	.025	0.0296	118.	26-186	WG529119
Ethylbenzene	mg/kg	.025	0.0246	98.3	74-128	WG529119
Hexachloro-1,3-butadiene	mg/kg	.025	0.0329	131.	65-137	WG529119
Isopropylbenzene	mg/kg	.025	0.0234	93.6	73-130	WG529119
Methyl tert-butyl ether	mg/kg	.025	0.0225	89.8	44-148	WG529119
Methylene Chloride	mg/kg	.025	0.0242	97.0	57-129	WG529119
n-Butylbenzene	mg/kg	.025	0.0275	110.	60-145	WG529119
n-Propylbenzene	mg/kg	.025	0.0299	120.	71-132	WG529119
Naphthalene	mg/kg	.025	0.0262	105.	61-142	WG529119
p-Isopropyltoluene	mg/kg	.025	0.0260	104.	67-138	WG529119
sec-Butylbenzene	mg/kg	.025	0.0308	123.	71-134	WG529119
Styrene	mg/kg	.025	0.0342	137.*	76-133	WG529119
Tetrachloroethene	mg/kg	.025	0.0277	111.	65-135	WG529119
Toluene	mg/kg	.025	0.0252	101.	70-120	WG529119
trans-1,2-Dichloroethene	mg/kg	.025	0.0205	82.1	61-133	WG529119
trans-1,3-Dichloropropene	mg/kg	.025	0.0259	104.	70-135	WG529119

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/kg	.025	0.0230	92.1	71-126	WG529119
Trichlorofluoromethane	mg/kg	.025	0.0327	131.	52-147	WG529119
Vinyl chloride	mg/kg	.025	0.0264	106.	50-151	WG529119
Xylenes, Total	mg/kg	.075	0.0721	96.2	74-127	WG529119
4-Bromofluorobenzene				96.41	59-140	WG529119
Dibromofluoromethane				117.5	63-139	WG529119
Toluene-d8				105.8	84-116	WG529119
a,a,a-Trifluorotoluene				112.2	80-118	WG529119
Mercury	mg/kg	8.77	6.67	76.1	71.6-127.7	WG529095
Mercury	mg/kg	8.77	6.40	73.0	71.6-127.7	WG529096
1,2,4-Trichlorobenzene	mg/kg	.333	0.195	58.4	50-141	WG529152
2,4,6-Trichlorophenol	mg/kg	.333	0.206	61.9	46-110	WG529152
2,4-Dichlorophenol	mg/kg	.333	0.213	64.0	47-107	WG529152
2,4-Dimethylphenol	mg/kg	.333	0.196	58.9	55-173	WG529152
2,4-Dinitrophenol	mg/kg	.333	0.148	44.6	10-127	WG529152
2,4-Dinitrotoluene	mg/kg	.333	0.227	68.2	49-119	WG529152
2,6-Dinitrotoluene	mg/kg	.333	0.225	67.6	52-114	WG529152
2-Chloronaphthalene	mg/kg	.333	0.222	66.6	45-110	WG529152
2-Chlorophenol	mg/kg	.333	0.207	62.1	40-105	WG529152
2-Nitrophenol	mg/kg	.333	0.236	70.9	45-110	WG529152
3,3-Dichlorobenzidine	mg/kg	.333	0.131	39.3	31-105	WG529152
4,6-Dinitro-2-methylphenol	mg/kg	.333	0.146	44.0	20-117	WG529152
4-Bromophenyl-phenylether	mg/kg	.333	0.263	78.8	37-114	WG529152
4-Chloro-3-methylphenol	mg/kg	.333	0.228	68.5	47-110	WG529152
4-Chlorophenyl-phenylether	mg/kg	.333	0.251	75.3	50-116	WG529152
4-Nitrophenol	mg/kg	.333	0.162	48.6	30-119	WG529152
Acenaphthene	mg/kg	.333	0.234	70.3	41-114	WG529152
Acenaphthylene	mg/kg	.333	0.245	73.5	41-119	WG529152
Anthracene	mg/kg	.333	0.249	74.7	45-118	WG529152
Benzidine	mg/kg	.333	0	0	0-13	WG529152
Benzo(a)anthracene	mg/kg	.333	0.236	71.0	44-118	WG529152
Benzo(a)pyrene	mg/kg	.333	0.240	72.2	44-116	WG529152
Benzo(b)fluoranthene	mg/kg	.333	0.242	72.6	37-122	WG529152
Benzo(g,h,i)perylene	mg/kg	.333	0.200	60.1	32-132	WG529152
Benzo(k)fluoranthene	mg/kg	.333	0.241	72.3	35-123	WG529152
Benzylbutyl phthalate	mg/kg	.333	0.324	97.4	47-130	WG529152
Bis(2-chlorethoxy)methane	mg/kg	.333	0.259	77.6	46-115	WG529152
Bis(2-chloroethyl)ether	mg/kg	.333	0.239	71.9	36-113	WG529152
Bis(2-chloroisopropyl)ether	mg/kg	.333	0.247	74.1	42-112	WG529152
Bis(2-ethylhexyl)phthalate	mg/kg	.333	0.323	96.9	46-131	WG529152
Chrysene	mg/kg	.333	0.241	72.5	44-118	WG529152
Di-n-butyl phthalate	mg/kg	.333	0.278	83.5	46-133	WG529152
Di-n-octyl phthalate	mg/kg	.333	0.287	86.1	42-130	WG529152
Dibenz(a,h)anthracene	mg/kg	.333	0.189	56.7	34-127	WG529152
Diethyl phthalate	mg/kg	.333	0.259	77.8	53-119	WG529152
Dimethyl phthalate	mg/kg	.333	0.260	78.2	54-116	WG529152
Fluoranthene	mg/kg	.333	0.236	70.9	45-122	WG529152
Fluorene	mg/kg	.333	0.233	70.1	43-118	WG529152
Hexachloro-1,3-butadiene	mg/kg	.333	0.236	71.0	56-134	WG529152
Hexachlorobenzene	mg/kg	.333	0.237	71.3	43-123	WG529152
Hexachlorocyclopentadiene	mg/kg	.333	0.224	67.2	20-113	WG529152
Hexachloroethane	mg/kg	.333	0.206	61.8	34-101	WG529152
Indeno(1,2,3-cd)pyrene	mg/kg	.333	0.199	59.7	35-128	WG529152

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L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Isophorone	mg/kg	.333	0.236	70.7	43-105	WG529152
n-Nitrosodi-n-propylamine	mg/kg	.333	0.262	78.5	37-121	WG529152
n-Nitrosodimethylamine	mg/kg	.333	0.260	78.2	25-132	WG529152
n-Nitrosodiphenylamine	mg/kg	.333	0.214	64.3	45-121	WG529152
Naphthalene	mg/kg	.333	0.216	64.9	32-144	WG529152
Nitrobenzene	mg/kg	.333	0.220	66.0	33-114	WG529152
Pentachlorophenol	mg/kg	.333	0.0898	27.0*	33-121	WG529152
Phenanthrene	mg/kg	.333	0.228	68.6	43-115	WG529152
Phenol	mg/kg	.333	0.222	66.7	43-106	WG529152
Pyrene	mg/kg	.333	0.263	78.9	41-123	WG529152
2,4,6-Tribromophenol				66.44	25-137	WG529152
2-Fluorobiphenyl				71.49	30-120	WG529152
2-Fluorophenol				70.29	26-130	WG529152
Nitrobenzene-d5				70.52	18-119	WG529152
Phenol-d5				81.15	37-141	WG529152
p-Terphenyl-d14				92.82	23-143	WG529152
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0292	117.	73-134	WG529454
1,1,1-Trichloroethane	mg/kg	.025	0.0230	92.1	62-135	WG529454
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0267	107.	74-129	WG529454
1,1,2-Trichloroethane	mg/kg	.025	0.0253	101.	77-124	WG529454
1,1-Dichloroethane	mg/kg	.025	0.0224	89.5	61-134	WG529454
1,1-Dichloroethene	mg/kg	.025	0.0196	78.6	53-136	WG529454
1,1-Dichloropropene	mg/kg	.025	0.0228	91.2	63-132	WG529454
1,2,3-Trichlorobenzene	mg/kg	.025	0.0270	108.	62-146	WG529454
1,2,3-Trichloropropane	mg/kg	.025	0.0251	100.	70-133	WG529454
1,2,4-Trichlorobenzene	mg/kg	.025	0.0269	108.	61-148	WG529454
1,2,4-Trimethylbenzene	mg/kg	.025	0.0285	114.	68-135	WG529454
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0253	101.	61-134	WG529454
1,2-Dibromoethane	mg/kg	.025	0.0277	111.	76-127	WG529454
1,2-Dichlorobenzene	mg/kg	.025	0.0264	106.	77-123	WG529454
1,2-Dichloroethane	mg/kg	.025	0.0221	88.3	58-141	WG529454
1,2-Dichloropropane	mg/kg	.025	0.0230	91.8	71-128	WG529454
1,3,5-Trimethylbenzene	mg/kg	.025	0.0280	112.	71-133	WG529454
1,3-Dichlorobenzene	mg/kg	.025	0.0275	110.	71-132	WG529454
1,3-Dichloropropane	mg/kg	.025	0.0248	99.1	76-120	WG529454
1,4-Dichlorobenzene	mg/kg	.025	0.0244	97.4	72-123	WG529454
2,2-Dichloropropane	mg/kg	.025	0.0229	91.8	50-147	WG529454
2-Butanone (MEK)	mg/kg	.125	0.116	93.0	51-131	WG529454
2-Chloroethyl vinyl ether	mg/kg	.125	0.138	110.	0-188	WG529454
2-Chlorotoluene	mg/kg	.025	0.0275	110.	73-128	WG529454
4-Chlorotoluene	mg/kg	.025	0.0268	107.	72-129	WG529454
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.121	96.6	61-143	WG529454
Acetone	mg/kg	.125	0.103	82.6	44-140	WG529454
Acrylonitrile	mg/kg	.125	0.114	91.1	55-143	WG529454
Benzene	mg/kg	.025	0.0223	89.3	65-128	WG529454
Bromobenzene	mg/kg	.025	0.0261	104.	75-123	WG529454
Bromodichloromethane	mg/kg	.025	0.0261	105.	66-126	WG529454
Bromoform	mg/kg	.025	0.0285	114.	64-139	WG529454
Bromomethane	mg/kg	.025	0.0225	90.1	41-175	WG529454
Carbon tetrachloride	mg/kg	.025	0.0246	98.5	60-140	WG529454
Chlorobenzene	mg/kg	.025	0.0273	109.	75-125	WG529454
Chlorodibromomethane	mg/kg	.025	0.0291	116.	72-137	WG529454
Chloroethane	mg/kg	.025	0.0195	77.8	44-159	WG529454
Chloroform	mg/kg	.025	0.0230	91.9	63-123	WG529454
Chloromethane	mg/kg	.025	0.0227	90.8	42-149	WG529454
cis-1,2-Dichloroethene	mg/kg	.025	0.0234	93.4	71-129	WG529454
cis-1,3-Dichloropropene	mg/kg	.025	0.0257	103.	73-132	WG529454

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Di-isopropyl ether	mg/kg	.025	0.0227	90.8	59-143	WG529454
Dibromomethane	mg/kg	.025	0.0262	105.	70-130	WG529454
Dichlorodifluoromethane	mg/kg	.025	0.0205	82.1	26-186	WG529454
Ethylbenzene	mg/kg	.025	0.0263	105.	74-128	WG529454
Hexachloro-1,3-butadiene	mg/kg	.025	0.0306	122.	65-137	WG529454
Isopropylbenzene	mg/kg	.025	0.0253	101.	73-130	WG529454
Methyl tert-butyl ether	mg/kg	.025	0.0215	85.9	44-148	WG529454
Methylene Chloride	mg/kg	.025	0.0198	79.3	57-129	WG529454
n-Butylbenzene	mg/kg	.025	0.0260	104.	60-145	WG529454
n-Propylbenzene	mg/kg	.025	0.0263	105.	71-132	WG529454
Naphthalene	mg/kg	.025	0.0279	112.	61-142	WG529454
p-Isopropyltoluene	mg/kg	.025	0.0290	116.	67-138	WG529454
sec-Butylbenzene	mg/kg	.025	0.0280	112.	71-134	WG529454
Styrene	mg/kg	.025	0.0393	157.*	76-133	WG529454
tert-Butylbenzene	mg/kg	.025	0.0278	111.	72-132	WG529454
Tetrachloroethene	mg/kg	.025	0.0271	108.	65-135	WG529454
Toluene	mg/kg	.025	0.0244	97.7	70-120	WG529454
trans-1,2-Dichloroethene	mg/kg	.025	0.0225	89.8	61-133	WG529454
trans-1,3-Dichloropropene	mg/kg	.025	0.0232	92.8	70-135	WG529454
Trichloroethene	mg/kg	.025	0.0251	100.	71-126	WG529454
Trichlorofluoromethane	mg/kg	.025	0.0207	82.9	52-147	WG529454
Vinyl chloride	mg/kg	.025	0.0210	84.1	50-151	WG529454
Xylenes, Total	mg/kg	.075	0.0791	105.	74-127	WG529454
4-Bromofluorobenzene				104.3	59-140	WG529454
Dibromofluoromethane				100.4	63-139	WG529454
Toluene-d8				100.3	84-116	WG529454
a,a,a-Trifluorotoluene				103.2	80-118	WG529454
Silver	mg/kg	115	108.	93.9	66-133.9	WG529308
Arsenic	mg/kg	192	172.	89.6	78.6-120.8	WG529265
Barium	mg/kg	420	390.	92.9	78.8-121.4	WG529265
Cadmium	mg/kg	70.1	61.5	87.7	78.5-121.5	WG529265
Chromium	mg/kg	168	158.	94.0	80.4-120.2	WG529265
Lead	mg/kg	113	103.	91.2	77.3-122.1	WG529265
Selenium	mg/kg	176	161.	91.5	75.6-125.0	WG529265
Silver	mg/kg	115	105.	91.3	66-133.9	WG529265
Mercury	mg/kg	8.77	6.75	77.0	71.6-127.7	WG529226
Total Solids	%	50	50.0	100.	85-155	WG529433
Total Solids	%	50	49.7	99.3	85-155	WG529434
Total Solids	%	50	50.0	100.	85-155	WG529435

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0242	0.0268	97.0	73-134	10.2	20	WG529118
1,1,1-Trichloroethane	mg/kg	0.0185	0.0203	74.0	62-135	9.24	20	WG529118
1,1,2,2-Tetrachloroethane	mg/kg	0.0238	0.0255	95.0	74-129	7.01	20	WG529118
1,1,2-Trichloroethane	mg/kg	0.0262	0.0267	105.	77-124	1.54	20	WG529118

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1-Dichloroethane	mg/kg	0.0187	0.0205	75.0	61-134	9.16	20	WG529118
1,1-Dichloroethene	mg/kg	0.0199	0.0219	79.0	53-136	9.84	20	WG529118
1,1-Dichloropropene	mg/kg	0.0194	0.0207	78.0	63-132	6.30	20	WG529118
1,2,3-Trichlorobenzene	mg/kg	0.0195	0.0224	78.0	62-146	13.9	20	WG529118
1,2,3-Trichloropropane	mg/kg	0.0262	0.0273	105.	70-133	3.91	20	WG529118
1,2,4-Trichlorobenzene	mg/kg	0.0202	0.0225	81.0	61-148	10.6	20	WG529118
1,2,4-Trimethylbenzene	mg/kg	0.0234	0.0256	93.0	68-135	9.28	20	WG529118
1,2-Dibromo-3-Chloropropane	mg/kg	0.0244	0.0253	98.0	61-134	3.71	21	WG529118
1,2-Dibromoethane	mg/kg	0.0284	0.0278	114.	76-127	2.27	20	WG529118
1,2-Dichlorobenzene	mg/kg	0.0224	0.0244	90.0	77-123	8.35	20	WG529118
1,2-Dichloroethane	mg/kg	0.0191	0.0203	76.0	58-141	5.84	20	WG529118
1,2-Dichloropropane	mg/kg	0.0221	0.0233	88.0	71-128	5.21	20	WG529118
1,3,5-Trimethylbenzene	mg/kg	0.0233	0.0248	93.0	71-133	6.38	20	WG529118
1,3-Dichlorobenzene	mg/kg	0.0251	0.0272	100.	71-132	7.95	20	WG529118
1,3-Dichloropropane	mg/kg	0.0252	0.0255	101.	76-120	1.06	20	WG529118
1,4-Dichlorobenzene	mg/kg	0.0221	0.0235	88.0	72-123	5.98	20	WG529118
2,2-Dichloropropane	mg/kg	0.0160	0.0183	64.0	50-147	13.5	20	WG529118
2-Butanone (MEK)	mg/kg	0.116	0.113	93.0	51-131	2.54	25	WG529118
2-Chloroethyl vinyl ether	mg/kg	0.107	0.0996	85.0	0-188	6.76	39	WG529118
2-Chlorotoluene	mg/kg	0.0227	0.0245	91.0	73-128	7.72	20	WG529118
4-Chlorotoluene	mg/kg	0.0229	0.0241	91.0	72-129	5.22	20	WG529118
4-Methyl-2-pentanone (MIBK)	mg/kg	0.123	0.132	98.0	61-143	7.17	23	WG529118
Acetone	mg/kg	0.107	0.116	86.0	44-140	7.90	25	WG529118
Acrylonitrile	mg/kg	0.115	0.124	92.0	55-143	7.56	20	WG529118
Benzene	mg/kg	0.0200	0.0213	80.0	65-128	6.52	20	WG529118
Bromobenzene	mg/kg	0.0218	0.0230	87.0	75-123	5.67	20	WG529118
Bromodichloromethane	mg/kg	0.0217	0.0228	87.0	66-126	5.32	20	WG529118
Bromoform	mg/kg	0.0290	0.0300	116.	64-139	3.37	20	WG529118
Bromomethane	mg/kg	0.0190	0.0220	76.0	41-175	14.4	20	WG529118
Carbon tetrachloride	mg/kg	0.0190	0.0209	76.0	60-140	9.70	20	WG529118
Chlorobenzene	mg/kg	0.0256	0.0267	102.	75-125	4.07	20	WG529118
Chlorodibromomethane	mg/kg	0.0271	0.0281	108.	72-137	3.66	20	WG529118
Chloroethane	mg/kg	0.0176	0.0196	70.0	44-159	10.7	20	WG529118
Chloroform	mg/kg	0.0189	0.0202	76.0	63-123	6.42	20	WG529118
Chloromethane	mg/kg	0.0184	0.0211	74.0	42-149	13.6	20	WG529118
cis-1,2-Dichloroethene	mg/kg	0.0201	0.0223	80.0	71-129	10.1	20	WG529118
cis-1,3-Dichloropropene	mg/kg	0.0231	0.0231	92.0	73-132	0.190	20	WG529118
Di-isopropyl ether	mg/kg	0.0194	0.0217	78.0	59-143	10.9	20	WG529118
Dibromomethane	mg/kg	0.0221	0.0240	88.0	70-130	8.07	20	WG529118
Dichlorodifluoromethane	mg/kg	0.0153	0.0176	61.0	26-186	13.9	22	WG529118
Ethylbenzene	mg/kg	0.0253	0.0264	101.	74-128	4.34	20	WG529118
Hexachloro-1,3-butadiene	mg/kg	0.0213	0.0226	85.0	65-137	5.75	20	WG529118
Isopropylbenzene	mg/kg	0.0236	0.0253	94.0	73-130	6.93	20	WG529118
Methyl tert-butyl ether	mg/kg	0.0185	0.0209	74.0	44-148	12.7	20	WG529118
Methylene Chloride	mg/kg	0.0184	0.0210	74.0	57-129	13.3	20	WG529118
n-Butylbenzene	mg/kg	0.0199	0.0213	80.0	60-145	6.74	20	WG529118
n-Propylbenzene	mg/kg	0.0227	0.0242	91.0	71-132	6.63	20	WG529118
Naphthalene	mg/kg	0.0208	0.0234	83.0	61-142	11.7	20	WG529118
p-Isopropyltoluene	mg/kg	0.0241	0.0259	96.0	67-138	7.16	20	WG529118
sec-Butylbenzene	mg/kg	0.0242	0.0257	97.0	71-134	6.06	20	WG529118
Styrene	mg/kg	0.0262	0.0278	105.	76-133	5.69	20	WG529118
tert-Butylbenzene	mg/kg	0.0264	0.0275	106.	72-132	4.04	20	WG529118
Tetrachloroethene	mg/kg	0.0253	0.0274	101.	65-135	7.95	20	WG529118
Toluene	mg/kg	0.0218	0.0231	87.0	70-120	5.85	20	WG529118
trans-1,2-Dichloroethene	mg/kg	0.0205	0.0223	82.0	61-133	8.42	20	WG529118
trans-1,3-Dichloropropene	mg/kg	0.0241	0.0232	96.0	70-135	3.97	20	WG529118
Trichloroethene	mg/kg	0.0237	0.0244	95.0	71-126	2.96	20	WG529118
Trichlorofluoromethane	mg/kg	0.0176	0.0192	70.0	52-147	8.50	20	WG529118
Vinyl chloride	mg/kg	0.0189	0.0217	76.0	50-151	13.5	20	WG529118

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Xylenes, Total	mg/kg	0.0736	0.0774	98.0	74-127	4.98	20	WG529118
4-Bromofluorobenzene				101.2	59-140			WG529118
Dibromofluoromethane				88.98	63-139			WG529118
Toluene-d8				97.30	84-116			WG529118
a,a,a-Trifluorotoluene				100.7	80-118			WG529118
1,1,1,2-Tetrachloroethane	mg/kg	0.0281	0.0292	112.	73-134	3.90	20	WG529231
1,1,1-Trichloroethane	mg/kg	0.0283	0.0286	113.	62-135	1.23	20	WG529231
1,1,2,2-Tetrachloroethane	mg/kg	0.0260	0.0265	104.	74-129	1.79	20	WG529231
1,1,2-Trichloroethane	mg/kg	0.0243	0.0264	97.0	77-124	8.19	20	WG529231
1,1-Dichloroethane	mg/kg	0.0285	0.0294	114.	61-134	2.91	20	WG529231
1,1-Dichloroethene	mg/kg	0.0269	0.0290	107.	53-136	7.70	20	WG529231
1,1-Dichloropropene	mg/kg	0.0283	0.0288	113.	63-132	1.73	20	WG529231
1,2,3-Trichlorobenzene	mg/kg	0.0255	0.0259	102.	62-146	1.48	20	WG529231
1,2,3-Trichloropropane	mg/kg	0.0241	0.0254	96.0	70-133	5.50	20	WG529231
1,2,4-Trichlorobenzene	mg/kg	0.0264	0.0270	105.	61-148	2.61	20	WG529231
1,2,4-Trimethylbenzene	mg/kg	0.0270	0.0284	108.	68-135	4.85	20	WG529231
1,2-Dibromo-3-Chloropropane	mg/kg	0.0234	0.0219	94.0	61-134	6.45	21	WG529231
1,2-Dibromoethane	mg/kg	0.0263	0.0272	105.	76-127	3.21	20	WG529231
1,2-Dichlorobenzene	mg/kg	0.0256	0.0275	102.	77-123	7.11	20	WG529231
1,2-Dichloroethane	mg/kg	0.0271	0.0277	108.	58-141	2.35	20	WG529231
1,2-Dichloropropane	mg/kg	0.0259	0.0267	104.	71-128	3.00	20	WG529231
1,3,5-Trimethylbenzene	mg/kg	0.0274	0.0289	110.	71-133	5.42	20	WG529231
1,3-Dichlorobenzene	mg/kg	0.0264	0.0272	106.	71-132	2.95	20	WG529231
1,3-Dichloropropane	mg/kg	0.0246	0.0257	98.0	76-120	4.35	20	WG529231
1,4-Dichlorobenzene	mg/kg	0.0250	0.0268	100.	72-123	6.73	20	WG529231
2,2-Dichloropropane	mg/kg	0.0297	0.0302	119.	50-147	1.75	20	WG529231
2-Butanone (MEK)	mg/kg	0.134	0.126	107.	51-131	5.92	25	WG529231
2-Chloroethyl vinyl ether	mg/kg	0.106	0.103	84.0	0-188	2.22	39	WG529231
2-Chlorotoluene	mg/kg	0.0290	0.0306	116.	73-128	5.47	20	WG529231
4-Chlorotoluene	mg/kg	0.0264	0.0279	105.	72-129	5.80	20	WG529231
4-Methyl-2-pentanone (MIBK)	mg/kg	0.133	0.130	106.	61-143	2.28	23	WG529231
Acetone	mg/kg	0.131	0.132	105.	44-140	0.410	25	WG529231
Acrylonitrile	mg/kg	0.132	0.131	105.	55-143	0.790	20	WG529231
Benzene	mg/kg	0.0276	0.0285	110.	65-128	3.20	20	WG529231
Bromobenzene	mg/kg	0.0259	0.0271	104.	75-123	4.38	20	WG529231
Bromodichloromethane	mg/kg	0.0281	0.0280	112.	66-126	0.330	20	WG529231
Bromoform	mg/kg	0.0271	0.0270	108.	64-139	0.330	20	WG529231
Bromomethane	mg/kg	0.0363	0.0395	145.	41-175	8.57	20	WG529231
Carbon tetrachloride	mg/kg	0.0305	0.0314	122.	60-140	2.94	20	WG529231
Chlorobenzene	mg/kg	0.0267	0.0277	107.	75-125	3.40	20	WG529231
Chlorodibromomethane	mg/kg	0.0280	0.0293	112.	72-137	4.53	20	WG529231
Chloroethane	mg/kg	0.0298	0.0329	119.	44-159	10.0	20	WG529231
Chloroform	mg/kg	0.0272	0.0285	109.	63-123	4.84	20	WG529231
Chloromethane	mg/kg	0.0283	0.0298	113.	42-149	5.29	20	WG529231
cis-1,2-Dichloroethene	mg/kg	0.0275	0.0293	110.	71-129	6.34	20	WG529231
cis-1,3-Dichloropropene	mg/kg	0.0296	0.0293	118.	73-132	1.24	20	WG529231
Di-isopropyl ether	mg/kg	0.0284	0.0295	114.	59-143	4.01	20	WG529231
Dibromomethane	mg/kg	0.0258	0.0255	103.	70-130	1.33	20	WG529231
Dichlorodifluoromethane	mg/kg	0.0255	0.0286	102.	26-186	11.6	22	WG529231
Ethylbenzene	mg/kg	0.0260	0.0279	104.	74-128	7.35	20	WG529231
Hexachloro-1,3-butadiene	mg/kg	0.0262	0.0270	105.	65-137	3.04	20	WG529231
Isopropylbenzene	mg/kg	0.0271	0.0285	108.	73-130	5.12	20	WG529231
Methyl tert-butyl ether	mg/kg	0.0276	0.0279	110.	44-148	1.20	20	WG529231
Methylene Chloride	mg/kg	0.0245	0.0254	98.0	57-129	3.84	20	WG529231
n-Butylbenzene	mg/kg	0.0267	0.0291	107.	60-145	8.48	20	WG529231
n-Propylbenzene	mg/kg	0.0265	0.0281	106.	71-132	5.82	20	WG529231
Naphthalene	mg/kg	0.0258	0.0262	103.	61-142	1.62	20	WG529231

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April 06, 2011

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
p-Isopropyltoluene	mg/kg	0.0287	0.0305	115.	67-138	6.03	20	WG529231
sec-Butylbenzene	mg/kg	0.0281	0.0294	112.	71-134	4.32	20	WG529231
Styrene	mg/kg	0.0271	0.0291	108.	76-133	7.13	20	WG529231
tert-Butylbenzene	mg/kg	0.0276	0.0290	110.	72-132	5.07	20	WG529231
Tetrachloroethene	mg/kg	0.0267	0.0282	107.	65-135	5.46	20	WG529231
Toluene	mg/kg	0.0281	0.0287	112.	70-120	2.05	20	WG529231
trans-1,2-Dichloroethene	mg/kg	0.0265	0.0276	106.	61-133	4.05	20	WG529231
trans-1,3-Dichloropropene	mg/kg	0.0256	0.0252	102.	70-135	1.80	20	WG529231
Trichloroethene	mg/kg	0.0257	0.0271	103.	71-126	5.40	20	WG529231
Trichlorofluoromethane	mg/kg	0.0306	0.0329	122.	52-147	7.30	20	WG529231
Vinyl chloride	mg/kg	0.0282	0.0293	113.	50-151	4.04	20	WG529231
Xylenes, Total	mg/kg	0.0780	0.0827	104.	74-127	5.95	20	WG529231
4-Bromofluorobenzene				96.91	59-140			WG529231
Dibromofluoromethane				107.4	63-139			WG529231
Toluene-d8				104.6	84-116			WG529231
a,a,a-Trifluorotoluene				103.3	80-118			WG529231
1,2,4-Trichlorobenzene	mg/kg	0.196	0.210	59.0	50-141	6.45	46	WG529151
2,4,6-Trichlorophenol	mg/kg	0.207	0.201	62.0	46-110	3.11	32	WG529151
2,4-Dichlorophenol	mg/kg	0.212	0.205	64.0	47-107	3.17	30	WG529151
2,4-Dimethylphenol	mg/kg	0.231	0.221	69.0	55-173	4.27	59	WG529151
2,4-Dinitrophenol	mg/kg	0.158	0.140	47.0	10-127	12.2	58	WG529151
2,4-Dinitrotoluene	mg/kg	0.247	0.231	74.0	49-119	6.60	35	WG529151
2,6-Dinitrotoluene	mg/kg	0.239	0.222	72.0	52-114	7.15	31	WG529151
2-Chloronaphthalene	mg/kg	0.239	0.230	72.0	45-110	3.97	32	WG529151
2-Chlorophenol	mg/kg	0.205	0.211	62.0	40-105	3.03	33	WG529151
2-Nitrophenol	mg/kg	0.240	0.248	72.0	45-110	3.44	33	WG529151
3,3-Dichlorobenzidine	mg/kg	0.155	0.164	46.0	31-105	5.76	37	WG529151
4,6-Dinitro-2-methylphenol	mg/kg	0.151	0.130	45.0	20-117	14.9	49	WG529151
4-Bromophenyl-phenylether	mg/kg	0.274	0.267	82.0	37-114	2.44	38	WG529151
4-Chloro-3-methylphenol	mg/kg	0.237	0.234	71.0	47-110	1.35	32	WG529151
4-Chlorophenyl-phenylether	mg/kg	0.265	0.255	80.0	50-116	3.90	33	WG529151
4-Nitrophenol	mg/kg	0.171	0.183	51.0	30-119	6.57	44	WG529151
Acenaphthene	mg/kg	0.242	0.232	73.0	41-114	4.47	37	WG529151
Acenaphthylene	mg/kg	0.259	0.250	78.0	41-119	3.54	39	WG529151
Anthracene	mg/kg	0.258	0.257	78.0	45-118	0.639	36	WG529151
Benzidine	mg/kg	0.000308	0.000803	0.00	0-13	89.1*	50	WG529151
Benzo(a)anthracene	mg/kg	0.249	0.248	75.0	44-118	0.520	37	WG529151
Benzo(a)pyrene	mg/kg	0.253	0.249	76.0	44-116	1.27	36	WG529151
Benzo(b)fluoranthene	mg/kg	0.248	0.247	74.0	37-122	0.223	42	WG529151
Benzo(g,h,i)perylene	mg/kg	0.205	0.202	62.0	32-132	1.52	50	WG529151
Benzo(k)fluoranthene	mg/kg	0.265	0.255	80.0	35-123	3.97	44	WG529151
Benzylbutyl phthalate	mg/kg	0.338	0.322	101.	47-130	4.82	42	WG529151
Bis(2-chlorethoxy)methane	mg/kg	0.273	0.270	82.0	46-115	1.16	34	WG529151
Bis(2-chloroethyl)ether	mg/kg	0.254	0.266	76.0	36-113	4.35	39	WG529151
Bis(2-chloroisopropyl)ether	mg/kg	0.240	0.250	72.0	42-112	4.00	35	WG529151
Bis(2-ethylhexyl)phthalate	mg/kg	0.331	0.319	99.0	46-131	3.93	43	WG529151
Chrysene	mg/kg	0.252	0.252	76.0	44-118	0.285	37	WG529151
Di-n-butyl phthalate	mg/kg	0.300	0.285	90.0	46-133	4.95	44	WG529151
Di-n-octyl phthalate	mg/kg	0.290	0.286	87.0	42-130	1.43	44	WG529151
Dibenz(a,h)anthracene	mg/kg	0.197	0.194	59.0	34-127	1.31	47	WG529151
Diethyl phthalate	mg/kg	0.275	0.263	82.0	53-119	4.38	33	WG529151
Dimethyl phthalate	mg/kg	0.273	0.262	82.0	54-116	4.24	31	WG529151
Fluoranthene	mg/kg	0.246	0.243	74.0	45-122	1.16	38	WG529151
Fluorene	mg/kg	0.246	0.230	74.0	43-118	6.56	38	WG529151
Hexachloro-1,3-butadiene	mg/kg	0.232	0.240	70.0	56-134	3.36	39	WG529151
Hexachlorobenzene	mg/kg	0.253	0.237	76.0	43-123	6.47	40	WG529151
Hexachlorocyclopentadiene	mg/kg	0.233	0.237	70.0	20-113	1.46	47	WG529151

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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Hexachloroethane	mg/kg	0.199	0.204	60.0	34-101	2.70	33	WG529151
Indeno(1,2,3-cd)pyrene	mg/kg	0.205	0.204	62.0	35-128	0.414	47	WG529151
Isophorone	mg/kg	0.244	0.240	73.0	43-105	1.53	31	WG529151
n-Nitrosodi-n-propylamine	mg/kg	0.263	0.258	79.0	37-121	1.92	42	WG529151
n-Nitrosodimethylamine	mg/kg	0.242	0.257	73.0	25-132	6.08	54	WG529151
n-Nitrosodiphenylamine	mg/kg	0.222	0.221	66.0	45-121	0.206	38	WG529151
Naphthalene	mg/kg	0.223	0.225	67.0	32-144	0.737	56	WG529151
Nitrobenzene	mg/kg	0.225	0.232	67.0	33-114	3.21	41	WG529151
Pentachlorophenol	mg/kg	0.109	0.0768	32*	33-121	34.2	44	WG529151
Phenanthrene	mg/kg	0.242	0.236	73.0	43-115	2.58	36	WG529151
Phenol	mg/kg	0.227	0.227	68.0	43-106	0.205	31	WG529151
Pyrene	mg/kg	0.275	0.264	82.0	41-123	3.77	41	WG529151
2,4,6-Tribromophenol				72.69	25-137			WG529151
2-Fluorobiphenyl				77.37	30-120			WG529151
2-Fluorophenol				71.21	26-130			WG529151
Nitrobenzene-d5				72.27	18-119			WG529151
Phenol-d5				84.79	37-141			WG529151
p-Terphenyl-d14				100.3	23-143			WG529151
PCB 1016	mg/kg	0.120	0.119	72.0	70-130	1.16	25	WG529162
PCB 1260	mg/kg	0.133	0.131	80.0	62-131	1.62	22	WG529162
PCB 1016	mg/kg	0.130	0.131	78.0	70-130	0.871	25	WG529271
PCB 1260	mg/kg	0.143	0.145	86.0	62-131	1.74	22	WG529271
1,1,1,2-Tetrachloroethane	mg/kg	0.0259	0.0244	104.	73-134	5.95	20	WG529119
1,1,1-Trichloroethane	mg/kg	0.0253	0.0258	101.	62-135	2.26	20	WG529119
1,1,2,2-Tetrachloroethane	mg/kg	0.0309	0.0284	124.	74-129	8.53	20	WG529119
1,1,2-Trichloroethane	mg/kg	0.0291	0.0255	116.	77-124	13.2	20	WG529119
1,1-Dichloroethane	mg/kg	0.0242	0.0250	97.0	61-134	3.14	20	WG529119
1,1-Dichloropropene	mg/kg	0.0229	0.0238	92.0	63-132	3.83	20	WG529119
1,2,3-Trichlorobenzene	mg/kg	0.0290	0.0274	116.	62-146	5.67	20	WG529119
1,2,3-Trichloropropane	mg/kg	0.0308	0.0296	123.	70-133	4.04	20	WG529119
1,2,4-Trichlorobenzene	mg/kg	0.0271	0.0261	108.	61-148	3.74	20	WG529119
1,2,4-Trimethylbenzene	mg/kg	0.0284	0.0267	113.	68-135	6.12	20	WG529119
1,2-Dibromoethane	mg/kg	0.0285	0.0255	114.	76-127	11.1	20	WG529119
1,2-Dichlorobenzene	mg/kg	0.0281	0.0266	112.	77-123	5.67	20	WG529119
1,2-Dichloroethane	mg/kg	0.0286	0.0290	114.	58-141	1.25	20	WG529119
1,2-Dichloropropane	mg/kg	0.0257	0.0247	103.	71-128	3.93	20	WG529119
1,3,5-Trimethylbenzene	mg/kg	0.0273	0.0262	109.	71-133	3.93	20	WG529119
1,3-Dichlorobenzene	mg/kg	0.0277	0.0258	111.	71-132	7.23	20	WG529119
1,3-Dichloropropane	mg/kg	0.0276	0.0247	110.	76-120	11.3	20	WG529119
1,4-Dichlorobenzene	mg/kg	0.0295	0.0283	118.	72-123	4.03	20	WG529119
2,2-Dichloropropane	mg/kg	0.0245	0.0243	98.0	50-147	0.770	20	WG529119
2-Butanone (MEK)	mg/kg	0.133	0.133	106.	51-131	0.280	25	WG529119
2-Chloroethyl vinyl ether	mg/kg	0.143	0.131	114.	0-188	8.22	39	WG529119
2-Chlorotoluene	mg/kg	0.0315	0.0292	126.	73-128	7.35	20	WG529119
4-Chlorotoluene	mg/kg	0.0281	0.0259	112.	72-129	8.20	20	WG529119
4-Methyl-2-pentanone (MIBK)	mg/kg	0.139	0.137	111.	61-143	1.16	23	WG529119
Acetone	mg/kg	0.118	0.125	95.0	44-140	5.61	25	WG529119
Acrylonitrile	mg/kg	0.143	0.146	115.	55-143	1.50	20	WG529119
Benzene	mg/kg	0.0239	0.0237	96.0	65-128	0.870	20	WG529119
Bromobenzene	mg/kg	0.0317	0.0294	127*	75-123	7.53	20	WG529119
Bromodichloromethane	mg/kg	0.0286	0.0274	114.	66-126	4.01	20	WG529119
Bromoform	mg/kg	0.0260	0.0232	104.	64-139	11.5	20	WG529119
Bromomethane	mg/kg	0.0292	0.0286	117.	41-175	2.22	20	WG529119

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L509137

April 06, 2011

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Carbon tetrachloride	mg/kg	0.0237	0.0251	95.0	60-140	5.69	20	WG529119
Chlorobenzene	mg/kg	0.0270	0.0244	108.	75-125	9.87	20	WG529119
Chlorodibromomethane	mg/kg	0.0278	0.0252	111.	72-137	9.68	20	WG529119
Chloroform	mg/kg	0.0263	0.0267	105.	63-123	1.61	20	WG529119
Chloromethane	mg/kg	0.0238	0.0248	95.0	42-149	4.03	20	WG529119
cis-1,2-Dichloroethene	mg/kg	0.0229	0.0230	92.0	71-129	0.500	20	WG529119
cis-1,3-Dichloropropene	mg/kg	0.0254	0.0236	102.	73-132	7.24	20	WG529119
Di-isopropyl ether	mg/kg	0.0235	0.0232	94.0	59-143	1.21	20	WG529119
Dibromomethane	mg/kg	0.0279	0.0265	112.	70-130	5.16	20	WG529119
Dichlorodifluoromethane	mg/kg	0.0274	0.0296	109.	26-186	7.76	22	WG529119
Ethylbenzene	mg/kg	0.0265	0.0246	106.	74-128	7.39	20	WG529119
Hexachloro-1,3-butadiene	mg/kg	0.0353	0.0329	141*	65-137	7.01	20	WG529119
Isopropylbenzene	mg/kg	0.0249	0.0234	100.	73-130	6.29	20	WG529119
Methyl tert-butyl ether	mg/kg	0.0224	0.0225	90.0	44-148	0.110	20	WG529119
Methylene Chloride	mg/kg	0.0237	0.0242	95.0	57-129	2.43	20	WG529119
n-Butylbenzene	mg/kg	0.0279	0.0275	112.	60-145	1.51	20	WG529119
n-Propylbenzene	mg/kg	0.0314	0.0299	126.	71-132	4.71	20	WG529119
Naphthalene	mg/kg	0.0273	0.0262	109.	61-142	4.30	20	WG529119
p-Isopropyltoluene	mg/kg	0.0274	0.0260	110.	67-138	5.35	20	WG529119
sec-Butylbenzene	mg/kg	0.0321	0.0308	128.	71-134	4.05	20	WG529119
Styrene	mg/kg	0.0369	0.0342	148*	76-133	7.66	20	WG529119
Tetrachloroethene	mg/kg	0.0291	0.0277	116.	65-135	4.99	20	WG529119
Toluene	mg/kg	0.0262	0.0252	105.	70-120	3.77	20	WG529119
trans-1,2-Dichloroethene	mg/kg	0.0196	0.0205	78.0	61-133	4.47	20	WG529119
trans-1,3-Dichloropropene	mg/kg	0.0274	0.0259	109.	70-135	5.51	20	WG529119
Trichloroethene	mg/kg	0.0243	0.0230	97.0	71-126	5.42	20	WG529119
Trichlorofluoromethane	mg/kg	0.0319	0.0327	127.	52-147	2.75	20	WG529119
Vinyl chloride	mg/kg	0.0258	0.0264	103.	50-151	2.24	20	WG529119
Xylenes, Total	mg/kg	0.0779	0.0721	104.	74-127	7.69	20	WG529119
4-Bromofluorobenzene				100.7	59-140			WG529119
Dibromofluoromethane				111.8	63-139			WG529119
Toluene-d8				106.9	84-116			WG529119
a,a,a-Trifluorotoluene				109.9	80-118			WG529119
1,2,4-Trichlorobenzene	mg/kg	0.190	0.195	57.0	50-141	2.20	46	WG529152
2,4,6-Trichlorophenol	mg/kg	0.200	0.206	60.0	46-110	2.89	32	WG529152
2,4-Dichlorophenol	mg/kg	0.201	0.213	60.0	47-107	5.92	30	WG529152
2,4-Dimethylphenol	mg/kg	0.197	0.196	59.0	55-173	0.471	59	WG529152
2,4-Dinitrophenol	mg/kg	0.150	0.148	45.0	10-127	1.03	58	WG529152
2,4-Dinitrotoluene	mg/kg	0.234	0.227	70.0	49-119	3.05	35	WG529152
2,6-Dinitrotoluene	mg/kg	0.229	0.225	69.0	52-114	1.55	31	WG529152
2-Chloronaphthalene	mg/kg	0.224	0.222	67.0	45-110	0.781	32	WG529152
2-Chlorophenol	mg/kg	0.204	0.207	61.0	40-105	1.43	33	WG529152
2-Nitrophenol	mg/kg	0.228	0.236	68.0	45-110	3.52	33	WG529152
3,3-Dichlorobenzidine	mg/kg	0.138	0.131	41.0	31-105	5.17	37	WG529152
4,6-Dinitro-2-methylphenol	mg/kg	0.144	0.146	43.0	20-117	1.86	49	WG529152
4-Bromophenyl-phenylether	mg/kg	0.260	0.263	78.0	37-114	0.771	38	WG529152
4-Chloro-3-methylphenol	mg/kg	0.224	0.228	67.0	47-110	1.77	32	WG529152
4-Chlorophenyl-phenylether	mg/kg	0.241	0.251	72.0	50-116	4.08	33	WG529152
4-Nitrophenol	mg/kg	0.176	0.162	53.0	30-119	8.53	44	WG529152
Acenaphthene	mg/kg	0.219	0.234	66.0	41-114	6.60	37	WG529152
Acenaphthylene	mg/kg	0.241	0.245	72.0	41-119	1.55	39	WG529152
Anthracene	mg/kg	0.240	0.249	72.0	45-118	3.51	36	WG529152
Benzidine	mg/kg	0.000193	0	0.00	0-13	200.*	50	WG529152
Benzo(a)anthracene	mg/kg	0.238	0.236	72.0	44-118	0.843	37	WG529152
Benzo(a)pyrene	mg/kg	0.237	0.240	71.0	44-116	1.42	36	WG529152
Benzo(b)fluoranthene	mg/kg	0.237	0.242	71.0	37-122	2.02	42	WG529152
Benzo(g,h,i)perylene	mg/kg	0.200	0.200	60.0	32-132	0.0123	50	WG529152

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzo(k)fluoranthene	mg/kg	0.247	0.241	74.0	35-123	2.46	44	WG529152
Benzylbutyl phthalate	mg/kg	0.306	0.324	92.0	47-130	5.81	42	WG529152
Bis(2-chlorethoxy)methane	mg/kg	0.256	0.259	77.0	46-115	1.04	34	WG529152
Bis(2-chloroethyl)ether	mg/kg	0.233	0.239	70.0	36-113	2.67	39	WG529152
Bis(2-chloroisopropyl)ether	mg/kg	0.249	0.247	75.0	42-112	0.686	35	WG529152
Bis(2-ethylhexyl)phthalate	mg/kg	0.296	0.323	89.0	46-131	8.73	43	WG529152
Chrysene	mg/kg	0.235	0.241	70.0	44-118	2.73	37	WG529152
Di-n-butyl phthalate	mg/kg	0.269	0.278	81.0	46-133	3.27	44	WG529152
Di-n-octyl phthalate	mg/kg	0.265	0.287	80.0	42-130	7.79	44	WG529152
Dibenz(a,h)anthracene	mg/kg	0.197	0.189	59.0	34-127	4.18	47	WG529152
Diethyl phthalate	mg/kg	0.259	0.259	78.0	53-119	0.0232	33	WG529152
Dimethyl phthalate	mg/kg	0.259	0.260	78.0	54-116	0.699	31	WG529152
Fluoranthene	mg/kg	0.229	0.236	69.0	45-122	3.25	38	WG529152
Fluorene	mg/kg	0.227	0.233	68.0	43-118	2.96	38	WG529152
Hexachloro-1,3-butadiene	mg/kg	0.230	0.236	69.0	56-134	2.92	39	WG529152
Hexachlorobenzene	mg/kg	0.234	0.237	70.0	43-123	1.58	40	WG529152
Hexachlorocyclopentadiene	mg/kg	0.228	0.224	69.0	20-113	2.14	47	WG529152
Hexachloroethane	mg/kg	0.202	0.206	60.0	34-101	1.96	33	WG529152
Indeno(1,2,3-cd)pyrene	mg/kg	0.203	0.199	61.0	35-128	2.13	47	WG529152
Isophorone	mg/kg	0.231	0.236	69.0	43-105	1.98	31	WG529152
n-Nitrosodi-n-propylamine	mg/kg	0.241	0.262	72.0	37-121	8.22	42	WG529152
n-Nitrosodimethylamine	mg/kg	0.252	0.260	76.0	25-132	3.11	54	WG529152
n-Nitrosodiphenylamine	mg/kg	0.206	0.214	62.0	45-121	3.80	38	WG529152
Naphthalene	mg/kg	0.214	0.216	64.0	32-144	1.16	56	WG529152
Nitrobenzene	mg/kg	0.215	0.220	64.0	33-114	2.22	41	WG529152
Pentachlorophenol	mg/kg	0.0872	0.0898	26*	33-121	2.91	44	WG529152
Phenanthrene	mg/kg	0.223	0.228	67.0	43-115	2.55	36	WG529152
Phenol	mg/kg	0.214	0.222	64.0	43-106	3.59	31	WG529152
Pyrene	mg/kg	0.254	0.263	76.0	41-123	3.31	41	WG529152
2,4,6-Tribromophenol				68.25	25-137			WG529152
2-Fluorobiphenyl				72.81	30-120			WG529152
2-Fluorophenol				69.53	26-130			WG529152
Nitrobenzene-d5				68.89	18-119			WG529152
Phenol-d5				79.82	37-141			WG529152
p-Terphenyl-d14				90.80	23-143			WG529152
1,1,1,2-Tetrachloroethane	mg/kg	0.0297	0.0292	119.	73-134	1.72	20	WG529454
1,1,1-Trichloroethane	mg/kg	0.0243	0.0230	97.0	62-135	5.37	20	WG529454
1,1,2,2-Tetrachloroethane	mg/kg	0.0273	0.0267	109.	74-129	2.40	20	WG529454
1,1,2-Trichloroethane	mg/kg	0.0260	0.0253	104.	77-124	2.57	20	WG529454
1,1-Dichloroethane	mg/kg	0.0233	0.0224	93.0	61-134	3.93	20	WG529454
1,1-Dichloroethene	mg/kg	0.0203	0.0196	81.0	53-136	3.41	20	WG529454
1,1-Dichloropropene	mg/kg	0.0242	0.0228	97.0	63-132	5.91	20	WG529454
1,2,3-Trichlorobenzene	mg/kg	0.0291	0.0270	116.	62-146	7.63	20	WG529454
1,2,3-Trichloropropane	mg/kg	0.0273	0.0251	109.	70-133	8.41	20	WG529454
1,2,4-Trichlorobenzene	mg/kg	0.0285	0.0269	114.	61-148	5.58	20	WG529454
1,2,4-Trimethylbenzene	mg/kg	0.0289	0.0285	116.	68-135	1.46	20	WG529454
1,2-Dibromo-3-Chloropropane	mg/kg	0.0269	0.0253	108.	61-134	6.28	21	WG529454
1,2-Dibromoethane	mg/kg	0.0286	0.0277	114.	76-127	3.27	20	WG529454
1,2-Dichlorobenzene	mg/kg	0.0279	0.0264	112.	77-123	5.53	20	WG529454
1,2-Dichloroethane	mg/kg	0.0242	0.0221	97.0	58-141	9.25	20	WG529454
1,2-Dichloropropane	mg/kg	0.0249	0.0230	100.	71-128	8.05	20	WG529454
1,3,5-Trimethylbenzene	mg/kg	0.0288	0.0280	115.	71-133	2.63	20	WG529454
1,3-Dichlorobenzene	mg/kg	0.0286	0.0275	114.	71-132	3.98	20	WG529454
1,3-Dichloropropane	mg/kg	0.0254	0.0248	102.	76-120	2.46	20	WG529454
1,4-Dichlorobenzene	mg/kg	0.0264	0.0244	106.	72-123	8.01	20	WG529454
2,2-Dichloropropane	mg/kg	0.0241	0.0229	96.0	50-147	4.98	20	WG529454
2-Butanone (MEK)	mg/kg	0.128	0.116	102.	51-131	9.32	25	WG529454

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April 06, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
2-Chloroethyl vinyl ether	mg/kg	0.110	0.138	88.0	0-188	22.6	39	WG529454
2-Chlorotoluene	mg/kg	0.0284	0.0275	114.	73-128	3.13	20	WG529454
4-Chlorotoluene	mg/kg	0.0279	0.0268	112.	72-129	4.03	20	WG529454
4-Methyl-2-pentanone (MIBK)	mg/kg	0.128	0.121	102.	61-143	5.41	23	WG529454
Acetone	mg/kg	0.111	0.103	89.0	44-140	7.45	25	WG529454
Acrylonitrile	mg/kg	0.120	0.114	96.0	55-143	5.52	20	WG529454
Benzene	mg/kg	0.0236	0.0223	94.0	65-128	5.53	20	WG529454
Bromobenzene	mg/kg	0.0261	0.0261	104.	75-123	0.0200	20	WG529454
Bromodichloromethane	mg/kg	0.0281	0.0261	112.	66-126	7.21	20	WG529454
Bromoform	mg/kg	0.0294	0.0285	118.	64-139	3.09	20	WG529454
Bromomethane	mg/kg	0.0230	0.0225	92.0	41-175	2.04	20	WG529454
Carbon tetrachloride	mg/kg	0.0261	0.0246	104.	60-140	5.98	20	WG529454
Chlorobenzene	mg/kg	0.0281	0.0273	112.	75-125	2.75	20	WG529454
Chlorodibromomethane	mg/kg	0.0301	0.0291	120.	72-137	3.35	20	WG529454
Chloroethane	mg/kg	0.0204	0.0195	82.0	44-159	4.77	20	WG529454
Chloroform	mg/kg	0.0241	0.0230	96.0	63-123	4.93	20	WG529454
Chloromethane	mg/kg	0.0230	0.0227	92.0	42-149	1.21	20	WG529454
cis-1,2-Dichloroethene	mg/kg	0.0242	0.0234	97.0	71-129	3.46	20	WG529454
cis-1,3-Dichloropropene	mg/kg	0.0274	0.0257	109.	73-132	6.39	20	WG529454
Di-isopropyl ether	mg/kg	0.0240	0.0227	96.0	59-143	5.59	20	WG529454
Dibromomethane	mg/kg	0.0273	0.0262	109.	70-130	4.03	20	WG529454
Dichlorodifluoromethane	mg/kg	0.0209	0.0205	84.0	26-186	1.78	22	WG529454
Ethylbenzene	mg/kg	0.0273	0.0263	109.	74-128	3.88	20	WG529454
Hexachloro-1,3-butadiene	mg/kg	0.0312	0.0306	125.	65-137	2.08	20	WG529454
Isopropylbenzene	mg/kg	0.0261	0.0253	104.	73-130	2.89	20	WG529454
Methyl tert-butyl ether	mg/kg	0.0232	0.0215	93.0	44-148	7.68	20	WG529454
Methylene Chloride	mg/kg	0.0202	0.0198	81.0	57-129	2.05	20	WG529454
n-Butylbenzene	mg/kg	0.0275	0.0260	110.	60-145	5.39	20	WG529454
n-Propylbenzene	mg/kg	0.0268	0.0263	107.	71-132	1.68	20	WG529454
Naphthalene	mg/kg	0.0297	0.0279	119.	61-142	6.04	20	WG529454
p-Isopropyltoluene	mg/kg	0.0301	0.0290	120.	67-138	3.71	20	WG529454
sec-Butylbenzene	mg/kg	0.0289	0.0280	116.	71-134	3.24	20	WG529454
Styrene	mg/kg	0.0405	0.0393	162*	76-133	3.07	20	WG529454
tert-Butylbenzene	mg/kg	0.0289	0.0278	115.	72-132	3.61	20	WG529454
Tetrachloroethene	mg/kg	0.0283	0.0271	113.	65-135	4.15	20	WG529454
Toluene	mg/kg	0.0263	0.0244	105.	70-120	7.26	20	WG529454
trans-1,2-Dichloroethene	mg/kg	0.0229	0.0225	92.0	61-133	2.14	20	WG529454
trans-1,3-Dichloropropene	mg/kg	0.0250	0.0232	100.	70-135	7.61	20	WG529454
Trichloroethene	mg/kg	0.0263	0.0251	105.	71-126	4.72	20	WG529454
Trichlorofluoromethane	mg/kg	0.0214	0.0207	86.0	52-147	3.10	20	WG529454
Vinyl chloride	mg/kg	0.0224	0.0210	90.0	50-151	6.24	20	WG529454
Xylenes, Total	mg/kg	0.0811	0.0791	108.	74-127	2.48	20	WG529454
4-Bromofluorobenzene				102.1	59-140			WG529454
Dibromofluoromethane				99.47	63-139			WG529454
Toluene-d8				100.9	84-116			WG529454
a,a,a-Trifluorotoluene				105.2	80-118			WG529454

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0135	0	.025	53.9	29-145	L509137-05	WG529118
1,1,1-Trichloroethane	mg/kg	0.00582	0	.025	23.3	23-147	L509137-05	WG529118
1,1,2,2-Tetrachloroethane	mg/kg	0.0189	0	.025	75.4	18-150	L509137-05	WG529118
1,1,2-Trichloroethane	mg/kg	0.0190	0	.025	75.9	35-140	L509137-05	WG529118
1,1-Dichloroethane	mg/kg	0.00785	0	.025	31.4	24-148	L509137-05	WG529118
1,1-Dichloroethene	mg/kg	0.00582	0	.025	23.3	10-149	L509137-05	WG529118
1,1-Dichloropropene	mg/kg	0.00551	0	.025	22.1	10-141	L509137-05	WG529118
1,2,3-Trichlorobenzene	mg/kg	0.0130	0	.025	52.0	10-129	L509137-05	WG529118
1,2,3-Trichloropropane	mg/kg	0.0211	0	.025	84.5	30-148	L509137-05	WG529118

* Performance of this Analyte is outside of established criteria.
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Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2,4-Trichlorobenzene	mg/kg	0.0124	0	.025	49.8	10-119	L509137-05	WG529118
1,2,4-Trimethylbenzene	mg/kg	0.0101	0	.025	40.3	10-145	L509137-05	WG529118
1,2-Dibromo-3-Chloropropane	mg/kg	0.0189	0	.025	75.5	19-145	L509137-05	WG529118
1,2-Dibromoethane	mg/kg	0.0201	0	.025	80.3	24-145	L509137-05	WG529118
1,2-Dichlorobenzene	mg/kg	0.0134	0	.025	53.8	12-130	L509137-05	WG529118
1,2-Dichloroethane	mg/kg	0.0132	0	.025	52.9	21-155	L509137-05	WG529118
1,2-Dichloropropane	mg/kg	0.0119	0	.025	47.8	28-144	L509137-05	WG529118
1,3,5-Trimethylbenzene	mg/kg	0.00929	0	.025	37.2	10-135	L509137-05	WG529118
1,3-Dichlorobenzene	mg/kg	0.0129	0	.025	51.8	10-129	L509137-05	WG529118
1,3-Dichloropropane	mg/kg	0.0175	0	.025	70.0	31-137	L509137-05	WG529118
1,4-Dichlorobenzene	mg/kg	0.0124	0	.025	49.8	10-121	L509137-05	WG529118
2,2-Dichloropropane	mg/kg	0.00593	0	.025	23.7	18-144	L509137-05	WG529118
2-Butanone (MEK)	mg/kg	0.0877	0	.125	70.2	21-143	L509137-05	WG529118
2-Chloroethyl vinyl ether	mg/kg	0.0715	0	.125	57.2	0-176	L509137-05	WG529118
2-Chlorotoluene	mg/kg	0.0100	0	.025	40.1	10-132	L509137-05	WG529118
4-Chlorotoluene	mg/kg	0.0108	0	.025	43.1	10-129	L509137-05	WG529118
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0974	0	.125	77.9	31-151	L509137-05	WG529118
Acetone	mg/kg	0.0761	0	.125	60.9	13-158	L509137-05	WG529118
Acrylonitrile	mg/kg	0.0947	0	.125	75.7	20-154	L509137-05	WG529118
Benzene	mg/kg	0.00865	0	.025	34.6	16-143	L509137-05	WG529118
Bromobenzene	mg/kg	0.0118	0	.025	47.1	14-135	L509137-05	WG529118
Bromodichloromethane	mg/kg	0.0129	0	.025	51.4	27-139	L509137-05	WG529118
Bromoform	mg/kg	0.0206	0	.025	82.4	21-144	L509137-05	WG529118
Bromomethane	mg/kg	0.00715	0	.025	28.6	0-180	L509137-05	WG529118
Carbon tetrachloride	mg/kg	0.00556	0	.025	22.2	12-149	L509137-05	WG529118
Chlorobenzene	mg/kg	0.0124	0	.025	49.7	17-134	L509137-05	WG529118
Chlorodibromomethane	mg/kg	0.0180	0	.025	71.8	28-147	L509137-05	WG529118
Chloroethane	mg/kg	0.00608	0	.025	24.3	0-172	L509137-05	WG529118
Chloroform	mg/kg	0.00920	0	.025	36.8	28-138	L509137-05	WG529118
Chloromethane	mg/kg	0.00663	0	.025	26.5	10-158	L509137-05	WG529118
cis-1,2-Dichloroethene	mg/kg	0.00987	0	.025	39.5	21-147	L509137-05	WG529118
cis-1,3-Dichloropropene	mg/kg	0.0138	0	.025	55.1	17-145	L509137-05	WG529118
Di-isopropyl ether	mg/kg	0.0120	0	.025	47.9	31-153	L509137-05	WG529118
Dibromomethane	mg/kg	0.0152	0	.025	61.0	24-147	L509137-05	WG529118
Dichlorodifluoromethane	mg/kg	0.00461	0	.025	18.4	0-192	L509137-05	WG529118
Ethylbenzene	mg/kg	0.00979	0	.025	39.2	12-137	L509137-05	WG529118
Hexachloro-1,3-butadiene	mg/kg	0.00682	0	.025	27.3	10-123	L509137-05	WG529118
Isopropylbenzene	mg/kg	0.00828	0	.025	33.1	14-134	L509137-05	WG529118
Methyl tert-butyl ether	mg/kg	0.0136	0	.025	54.5	21-157	L509137-05	WG529118
Methylene Chloride	mg/kg	0.0103	0	.025	41.1	12-149	L509137-05	WG529118
n-Butylbenzene	mg/kg	0.00674	0	.025	27.0	10-130	L509137-05	WG529118
n-Propylbenzene	mg/kg	0.00819	0	.025	32.8	10-130	L509137-05	WG529118
Naphthalene	mg/kg	0.0159	0	.025	63.6	0-146	L509137-05	WG529118
p-Isopropyltoluene	mg/kg	0.00857	0	.025	34.3	10-131	L509137-05	WG529118
sec-Butylbenzene	mg/kg	0.00786	0	.025	31.4	10-134	L509137-05	WG529118
Styrene	mg/kg	0.0134	0	.025	53.7	10-140	L509137-05	WG529118
tert-Butylbenzene	mg/kg	0.00901	0	.025	36.0	11-137	L509137-05	WG529118
Tetrachloroethene	mg/kg	0.00776	0	.025	31.0	10-131	L509137-05	WG529118
Toluene	mg/kg	0.00908	0	.025	36.3	12-136	L509137-05	WG529118
trans-1,2-Dichloroethene	mg/kg	0.00693	0	.025	27.7	10-143	L509137-05	WG529118
trans-1,3-Dichloropropene	mg/kg	0.0158	0	.025	63.2	16-147	L509137-05	WG529118
Trichloroethene	mg/kg	0.00805	0	.025	32.2	10-155	L509137-05	WG529118
Trichlorofluoromethane	mg/kg	0.00458	0	.025	18.3	10-154	L509137-05	WG529118
Vinyl chloride	mg/kg	0.00537	0	.025	21.5	10-159	L509137-05	WG529118
Xylenes, Total	mg/kg	0.0304	0	.075	40.5	10-138	L509137-05	WG529118
4-Bromofluorobenzene					102.2	59-140		WG529118
Dibromofluoromethane					92.87	63-139		WG529118
Toluene-d8					96.84	84-116		WG529118
a,a,a-Trifluorotoluene					99.61	80-118		WG529118

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.131	0	.025	105.	29-145	L509239-02	WG529231
1,1,1-Trichloroethane	mg/kg	0.135	0	.025	108.	23-147	L509239-02	WG529231
1,1,2,2-Tetrachloroethane	mg/kg	0.111	0	.025	88.6	18-150	L509239-02	WG529231
1,1,2-Trichloroethane	mg/kg	0.115	0	.025	91.7	35-140	L509239-02	WG529231
1,1-Dichloroethane	mg/kg	0.137	0	.025	109.	24-148	L509239-02	WG529231
1,1-Dichloroethene	mg/kg	0.128	0	.025	103.	10-149	L509239-02	WG529231
1,1-Dichloropropene	mg/kg	0.132	0	.025	106.	10-141	L509239-02	WG529231
1,2,3-Trichlorobenzene	mg/kg	0.0952	0	.025	76.2	10-129	L509239-02	WG529231
1,2,3-Trichloropropane	mg/kg	0.112	0	.025	90.0	30-148	L509239-02	WG529231
1,2,4-Trichlorobenzene	mg/kg	0.103	0	.025	82.2	10-119	L509239-02	WG529231
1,2,4-Trimethylbenzene	mg/kg	0.126	0	.025	101.	10-145	L509239-02	WG529231
1,2-Dibromo-3-Chloropropane	mg/kg	0.0978	0	.025	78.2	19-145	L509239-02	WG529231
1,2-Dibromoethane	mg/kg	0.119	0	.025	94.9	24-145	L509239-02	WG529231
1,2-Dichlorobenzene	mg/kg	0.118	0	.025	94.3	12-130	L509239-02	WG529231
1,2-Dichloroethane	mg/kg	0.126	0	.025	101.	21-155	L509239-02	WG529231
1,2-Dichloropropane	mg/kg	0.119	0	.025	95.2	28-144	L509239-02	WG529231
1,3,5-Trimethylbenzene	mg/kg	0.128	0	.025	102.	10-135	L509239-02	WG529231
1,3-Dichlorobenzene	mg/kg	0.114	0	.025	91.6	10-129	L509239-02	WG529231
1,3-Dichloropropane	mg/kg	0.114	0	.025	91.0	31-137	L509239-02	WG529231
1,4-Dichlorobenzene	mg/kg	0.118	0	.025	94.2	10-121	L509239-02	WG529231
2,2-Dichloropropane	mg/kg	0.144	0	.025	115.	18-144	L509239-02	WG529231
2-Butanone (MEK)	mg/kg	0.553	0	.125	88.5	21-143	L509239-02	WG529231
2-Chloroethyl vinyl ether	mg/kg	0.465	0	.125	74.4	0-176	L509239-02	WG529231
2-Chlorotoluene	mg/kg	0.133	0	.025	106.	10-132	L509239-02	WG529231
4-Chlorotoluene	mg/kg	0.121	0	.025	96.8	10-129	L509239-02	WG529231
4-Methyl-2-pentanone (MIBK)	mg/kg	0.561	0	.125	89.7	31-151	L509239-02	WG529231
Acetone	mg/kg	0.585	0	.125	93.6	13-158	L509239-02	WG529231
Acrylonitrile	mg/kg	0.584	0	.125	93.5	20-154	L509239-02	WG529231
Benzene	mg/kg	0.134	0	.025	107.	16-143	L509239-02	WG529231
Bromobenzene	mg/kg	0.116	0	.025	92.9	14-135	L509239-02	WG529231
Bromodichloromethane	mg/kg	0.135	0	.025	108.	27-139	L509239-02	WG529231
Bromoform	mg/kg	0.124	0	.025	99.1	21-144	L509239-02	WG529231
Bromomethane	mg/kg	0.176	0	.025	141.	0-180	L509239-02	WG529231
Carbon tetrachloride	mg/kg	0.148	0	.025	119.	12-149	L509239-02	WG529231
Chlorobenzene	mg/kg	0.125	0	.025	100.	17-134	L509239-02	WG529231
Chlorodibromomethane	mg/kg	0.134	0	.025	107.	28-147	L509239-02	WG529231
Chloroethane	mg/kg	0.148	0	.025	118.	0-172	L509239-02	WG529231
Chloroform	mg/kg	0.133	0	.025	106.	28-138	L509239-02	WG529231
Chloromethane	mg/kg	0.134	0	.025	107.	10-158	L509239-02	WG529231
cis-1,2-Dichloroethene	mg/kg	0.133	0	.025	106.	21-147	L509239-02	WG529231
cis-1,3-Dichloropropene	mg/kg	0.132	0	.025	106.	17-145	L509239-02	WG529231
Di-isopropyl ether	mg/kg	0.136	0	.025	109.	31-153	L509239-02	WG529231
Dibromomethane	mg/kg	0.122	0	.025	97.5	24-147	L509239-02	WG529231
Dichlorodifluoromethane	mg/kg	0.119	0	.025	95.5	0-192	L509239-02	WG529231
Ethylbenzene	mg/kg	0.124	0	.025	98.8	12-137	L509239-02	WG529231
Hexachloro-1,3-butadiene	mg/kg	0.122	0	.025	97.8	10-123	L509239-02	WG529231
Isopropylbenzene	mg/kg	0.128	0	.025	103.	14-134	L509239-02	WG529231
Methyl tert-butyl ether	mg/kg	0.126	0	.025	101.	21-157	L509239-02	WG529231
Methylene Chloride	mg/kg	0.116	0	.025	93.1	12-149	L509239-02	WG529231
n-Butylbenzene	mg/kg	0.130	0	.025	104.	10-130	L509239-02	WG529231
n-Propylbenzene	mg/kg	0.124	0	.025	99.5	10-130	L509239-02	WG529231
Naphthalene	mg/kg	0.103	0	.025	82.1	0-146	L509239-02	WG529231
p-Isopropyltoluene	mg/kg	0.132	0	.025	106.	10-131	L509239-02	WG529231
sec-Butylbenzene	mg/kg	0.130	0	.025	104.	10-134	L509239-02	WG529231
Styrene	mg/kg	0.124	0	.025	99.2	10-140	L509239-02	WG529231
tert-Butylbenzene	mg/kg	0.131	0	.025	105.	11-137	L509239-02	WG529231
Tetrachloroethene	mg/kg	0.123	0	.025	98.7	10-131	L509239-02	WG529231
Toluene	mg/kg	0.132	0	.025	105.	12-136	L509239-02	WG529231
trans-1,2-Dichloroethene	mg/kg	0.135	0	.025	108.	10-143	L509239-02	WG529231

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Quality Assurance Report
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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,3-Dichloropropene	mg/kg	0.118	0	.025	94.4	16-147	L509239-02	WG529231
Trichloroethene	mg/kg	0.125	0	.025	100.	10-155	L509239-02	WG529231
Trichlorofluoromethane	mg/kg	0.148	0	.025	118.	10-154	L509239-02	WG529231
Vinyl chloride	mg/kg	0.129	0	.025	103.	10-159	L509239-02	WG529231
Xylenes, Total	mg/kg	0.373	0	.075	99.4	10-138	L509239-02	WG529231
4-Bromofluorobenzene					92.60	59-140		WG529231
Dibromofluoromethane					107.6	63-139		WG529231
Toluene-d8					103.2	84-116		WG529231
a,a,a-Trifluorotoluene					105.0	80-118		WG529231
Arsenic	mg/kg	43.9	1.20	50	85.4	75-125	L509137-04	WG529143
Barium	mg/kg	143.	38.0	50	210.*	75-125	L509137-04	WG529143
Cadmium	mg/kg	47.6	0	50	95.2	75-125	L509137-04	WG529143
Chromium	mg/kg	51.6	8.40	50	86.4	75-125	L509137-04	WG529143
Lead	mg/kg	77.9	13.0	50	130.*	75-125	L509137-04	WG529143
Selenium	mg/kg	42.0	0	50	84.0	75-125	L509137-04	WG529143
PCB 1016	mg/kg	0.130	0	.167	77.7	70-130	L509288-05	WG529271
PCB 1260	mg/kg	0.126	0	.167	75.7	10-139	L509288-05	WG529271
1,1,1,2-Tetrachloroethane	mg/kg	0.0227	0	.025	90.6	29-145	L509177-01	WG529119
1,1,1-Trichloroethane	mg/kg	0.0255	0	.025	102.	23-147	L509177-01	WG529119
1,1,2,2-Tetrachloroethane	mg/kg	0.0288	0	.025	115.	18-150	L509177-01	WG529119
1,1,2-Trichloroethane	mg/kg	0.0250	0	.025	99.8	35-140	L509177-01	WG529119
1,1-Dichloroethane	mg/kg	0.0240	0	.025	95.9	24-148	L509177-01	WG529119
1,1-Dichloropropene	mg/kg	0.0227	0	.025	90.8	10-141	L509177-01	WG529119
1,2,3-Trichlorobenzene	mg/kg	0.0249	0	.025	99.8	10-129	L509177-01	WG529119
1,2,3-Trichloropropane	mg/kg	0.0278	0	.025	111.	30-148	L509177-01	WG529119
1,2,4-Trichlorobenzene	mg/kg	0.0232	0	.025	92.7	10-119	L509177-01	WG529119
1,2,4-Trimethylbenzene	mg/kg	0.0240	0	.025	96.0	10-145	L509177-01	WG529119
1,2-Dibromoethane	mg/kg	0.0243	0	.025	97.4	24-145	L509177-01	WG529119
1,2-Dichlorobenzene	mg/kg	0.0247	0	.025	98.7	12-130	L509177-01	WG529119
1,2-Dichloroethane	mg/kg	0.0276	0	.025	110.	21-155	L509177-01	WG529119
1,2-Dichloropropane	mg/kg	0.0237	0	.025	94.9	28-144	L509177-01	WG529119
1,3,5-Trimethylbenzene	mg/kg	0.0236	0	.025	94.4	10-135	L509177-01	WG529119
1,3-Dichlorobenzene	mg/kg	0.0234	0	.025	93.5	10-129	L509177-01	WG529119
1,3-Dichloropropane	mg/kg	0.0239	0	.025	95.5	31-137	L509177-01	WG529119
1,4-Dichlorobenzene	mg/kg	0.0250	0	.025	100.	10-121	L509177-01	WG529119
2,2-Dichloropropane	mg/kg	0.0276	0	.025	110.	18-144	L509177-01	WG529119
2-Butanone (MEK)	mg/kg	0.134	0	.125	107.	21-143	L509177-01	WG529119
2-Chloroethyl vinyl ether	mg/kg	0.125	0	.125	99.8	0-176	L509177-01	WG529119
2-Chlorotoluene	mg/kg	0.0269	0	.025	108.	10-132	L509177-01	WG529119
4-Chlorotoluene	mg/kg	0.0235	0	.025	93.9	10-129	L509177-01	WG529119
4-Methyl-2-pentanone (MIBK)	mg/kg	0.143	0	.125	115.	31-151	L509177-01	WG529119
Acetone	mg/kg	0.129	0	.125	103.	13-158	L509177-01	WG529119
Acrylonitrile	mg/kg	0.149	0	.125	119.	20-154	L509177-01	WG529119
Benzene	mg/kg	0.0223	0	.025	89.2	16-143	L509177-01	WG529119
Bromobenzene	mg/kg	0.0270	0	.025	108.	14-135	L509177-01	WG529119
Bromodichloromethane	mg/kg	0.0261	0	.025	104.	27-139	L509177-01	WG529119
Bromoform	mg/kg	0.0226	0	.025	90.4	21-144	L509177-01	WG529119
Bromomethane	mg/kg	0.0289	0	.025	116.	0-180	L509177-01	WG529119
Carbon tetrachloride	mg/kg	0.0238	0	.025	95.0	12-149	L509177-01	WG529119
Chlorobenzene	mg/kg	0.0231	0	.025	92.5	17-134	L509177-01	WG529119
Chlorodibromomethane	mg/kg	0.0235	0	.025	94.1	28-147	L509177-01	WG529119
Chloroform	mg/kg	0.0252	0	.025	101.	28-138	L509177-01	WG529119
Chloromethane	mg/kg	0.0231	0	.025	92.5	10-158	L509177-01	WG529119

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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
cis-1,2-Dichloroethene	mg/kg	0.0220	0	.025	88.2	21-147	L509177-01	WG529119
cis-1,3-Dichloropropene	mg/kg	0.0225	0	.025	89.9	17-145	L509177-01	WG529119
Di-isopropyl ether	mg/kg	0.0224	0	.025	89.6	31-153	L509177-01	WG529119
Dibromomethane	mg/kg	0.0260	0	.025	104.	24-147	L509177-01	WG529119
Dichlorodifluoromethane	mg/kg	0.0291	0	.025	116.	0-192	L509177-01	WG529119
Ethylbenzene	mg/kg	0.0223	0	.025	89.3	12-137	L509177-01	WG529119
Hexachloro-1,3-butadiene	mg/kg	0.0278	0	.025	111.	10-123	L509177-01	WG529119
Isopropylbenzene	mg/kg	0.0216	0	.025	86.2	14-134	L509177-01	WG529119
Methyl tert-butyl ether	mg/kg	0.0224	0	.025	89.4	21-157	L509177-01	WG529119
Methylene Chloride	mg/kg	0.0235	0	.025	93.9	12-149	L509177-01	WG529119
n-Butylbenzene	mg/kg	0.0232	0	.025	92.9	10-130	L509177-01	WG529119
n-Propylbenzene	mg/kg	0.0265	0	.025	106.	10-130	L509177-01	WG529119
Naphthalene	mg/kg	0.0245	0	.025	97.9	0-146	L509177-01	WG529119
p-Isopropyltoluene	mg/kg	0.0231	0	.025	92.3	10-131	L509177-01	WG529119
sec-Butylbenzene	mg/kg	0.0274	0	.025	110.	10-134	L509177-01	WG529119
Styrene	mg/kg	0.0309	0	.025	124.	10-140	L509177-01	WG529119
Tetrachloroethene	mg/kg	0.0237	0.0130	.025	42.8	10-131	L509177-01	WG529119
Toluene	mg/kg	0.0239	0	.025	95.6	12-136	L509177-01	WG529119
trans-1,2-Dichloroethene	mg/kg	0.0202	0	.025	80.8	10-143	L509177-01	WG529119
trans-1,3-Dichloropropene	mg/kg	0.0241	0	.025	96.3	16-147	L509177-01	WG529119
Trichloroethene	mg/kg	0.0214	0.00120	.025	80.7	10-155	L509177-01	WG529119
Trichlorofluoromethane	mg/kg	0.0313	0	.025	125.	10-154	L509177-01	WG529119
Vinyl chloride	mg/kg	0.0264	0	.025	105.	10-159	L509177-01	WG529119
Xylenes, Total	mg/kg	0.0673	0	.075	89.7	10-138	L509177-01	WG529119
4-Bromofluorobenzene					96.17	59-140		WG529119
Dibromofluoromethane					118.7	63-139		WG529119
Toluene-d8					106.3	84-116		WG529119
a,a,a-Trifluorotoluene					110.9	80-118		WG529119
Mercury	mg/kg	0.229	0.00410	.25	90.0	70-130	L508983-99	WG529096
Mercury	mg/kg	0.272	0.00700	.25	106.	70-130	L509085-08	WG529095
1,1,1,2-Tetrachloroethane	mg/kg	0.0288	0	.025	115.	29-145	L509137-12	WG529454
1,1,1-Trichloroethane	mg/kg	0.0240	0	.025	96.1	23-147	L509137-12	WG529454
1,1,2,2-Tetrachloroethane	mg/kg	0.0272	0	.025	109.	18-150	L509137-12	WG529454
1,1,2-Trichloroethane	mg/kg	0.0258	0	.025	103.	35-140	L509137-12	WG529454
1,1-Dichloroethane	mg/kg	0.0236	0	.025	94.4	24-148	L509137-12	WG529454
1,1-Dichloroethene	mg/kg	0.0202	0	.025	80.8	10-149	L509137-12	WG529454
1,1-Dichloropropene	mg/kg	0.0233	0	.025	93.0	10-141	L509137-12	WG529454
1,2,3-Trichlorobenzene	mg/kg	0.0241	0	.025	96.4	10-129	L509137-12	WG529454
1,2,3-Trichloropropane	mg/kg	0.0271	0	.025	108.	30-148	L509137-12	WG529454
1,2,4-Trichlorobenzene	mg/kg	0.0247	0	.025	98.8	10-119	L509137-12	WG529454
1,2,4-Trimethylbenzene	mg/kg	0.0276	0	.025	110.	10-145	L509137-12	WG529454
1,2-Dibromo-3-Chloropropane	mg/kg	0.0254	0	.025	102.	19-145	L509137-12	WG529454
1,2-Dibromoethane	mg/kg	0.0276	0	.025	110.	24-145	L509137-12	WG529454
1,2-Dichlorobenzene	mg/kg	0.0253	0	.025	101.	12-130	L509137-12	WG529454
1,2-Dichloroethane	mg/kg	0.0244	0	.025	97.5	21-155	L509137-12	WG529454
1,2-Dichloropropane	mg/kg	0.0242	0	.025	96.8	28-144	L509137-12	WG529454
1,3,5-Trimethylbenzene	mg/kg	0.0273	0	.025	109.	10-135	L509137-12	WG529454
1,3-Dichlorobenzene	mg/kg	0.0259	0	.025	104.	10-129	L509137-12	WG529454
1,3-Dichloropropane	mg/kg	0.0252	0	.025	101.	31-137	L509137-12	WG529454
1,4-Dichlorobenzene	mg/kg	0.0240	0	.025	95.9	10-121	L509137-12	WG529454
2,2-Dichloropropane	mg/kg	0.0243	0	.025	97.2	18-144	L509137-12	WG529454
2-Butanone (MEK)	mg/kg	0.132	0	.125	105.	21-143	L509137-12	WG529454
2-Chloroethyl vinyl ether	mg/kg	0.108	0	.125	86.0	0-176	L509137-12	WG529454

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Quality Assurance Report
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April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
2-Chlorotoluene	mg/kg	0.0270	0	.025	108.	10-132	L509137-12	WG529454
4-Chlorotoluene	mg/kg	0.0263	0	.025	105.	10-129	L509137-12	WG529454
4-Methyl-2-pentanone (MIBK)	mg/kg	0.134	0	.125	107.	31-151	L509137-12	WG529454
Acetone	mg/kg	0.126	0	.125	100.	13-158	L509137-12	WG529454
Acrylonitrile	mg/kg	0.125	0	.125	100.	20-154	L509137-12	WG529454
Benzene	mg/kg	0.0232	0.00120	.025	88.0	16-143	L509137-12	WG529454
Bromobenzene	mg/kg	0.0253	0	.025	101.	14-135	L509137-12	WG529454
Bromodichloromethane	mg/kg	0.0278	0	.025	111.	27-139	L509137-12	WG529454
Bromoform	mg/kg	0.0298	0	.025	119.	21-144	L509137-12	WG529454
Bromomethane	mg/kg	0.0249	0	.025	99.7	0-180	L509137-12	WG529454
Carbon tetrachloride	mg/kg	0.0264	0	.025	106.	12-149	L509137-12	WG529454
Chlorobenzene	mg/kg	0.0264	0	.025	106.	17-134	L509137-12	WG529454
Chlorodibromomethane	mg/kg	0.0299	0	.025	120.	28-147	L509137-12	WG529454
Chloroethane	mg/kg	0.0220	0	.025	87.9	0-172	L509137-12	WG529454
Chloroform	mg/kg	0.0237	0	.025	94.6	28-138	L509137-12	WG529454
Chloromethane	mg/kg	0.0238	0	.025	95.0	10-158	L509137-12	WG529454
cis-1,2-Dichloroethene	mg/kg	0.0241	0	.025	96.4	21-147	L509137-12	WG529454
cis-1,3-Dichloropropene	mg/kg	0.0270	0	.025	108.	17-145	L509137-12	WG529454
Di-isopropyl ether	mg/kg	0.0238	0	.025	95.2	31-153	L509137-12	WG529454
Dibromomethane	mg/kg	0.0271	0	.025	108.	24-147	L509137-12	WG529454
Dichlorodifluoromethane	mg/kg	0.0225	0	.025	90.0	0-192	L509137-12	WG529454
Ethylbenzene	mg/kg	0.0265	0	.025	106.	12-137	L509137-12	WG529454
Hexachloro-1,3-butadiene	mg/kg	0.0254	0	.025	101.	10-123	L509137-12	WG529454
Isopropylbenzene	mg/kg	0.0250	0	.025	100.	14-134	L509137-12	WG529454
Methyl tert-butyl ether	mg/kg	0.0231	0	.025	92.3	21-157	L509137-12	WG529454
Methylene Chloride	mg/kg	0.0207	0	.025	82.9	12-149	L509137-12	WG529454
n-Butylbenzene	mg/kg	0.0248	0	.025	99.4	10-130	L509137-12	WG529454
n-Propylbenzene	mg/kg	0.0255	0	.025	102.	10-130	L509137-12	WG529454
Naphthalene	mg/kg	0.0252	0	.025	101.	0-146	L509137-12	WG529454
p-Isopropyltoluene	mg/kg	0.0283	0	.025	113.	10-131	L509137-12	WG529454
sec-Butylbenzene	mg/kg	0.0268	0	.025	107.	10-134	L509137-12	WG529454
Styrene	mg/kg	0.0380	0	.025	152.*	10-140	L509137-12	WG529454
tert-Butylbenzene	mg/kg	0.0278	0	.025	111.	11-137	L509137-12	WG529454
Tetrachloroethene	mg/kg	0.0270	0	.025	108.	10-131	L509137-12	WG529454
Toluene	mg/kg	0.0257	0	.025	103.	12-136	L509137-12	WG529454
trans-1,2-Dichloroethene	mg/kg	0.0230	0	.025	92.2	10-143	L509137-12	WG529454
trans-1,3-Dichloropropene	mg/kg	0.0238	0	.025	95.2	16-147	L509137-12	WG529454
Trichloroethene	mg/kg	0.0255	0	.025	102.	10-155	L509137-12	WG529454
Trichlorofluoromethane	mg/kg	0.0227	0	.025	90.8	10-154	L509137-12	WG529454
Vinyl chloride	mg/kg	0.0223	0	.025	89.2	10-159	L509137-12	WG529454
Xylenes, Total	mg/kg	0.0788	0	.075	105.	10-138	L509137-12	WG529454
4-Bromofluorobenzene					100.4	59-140		WG529454
Dibromofluoromethane					101.8	63-139		WG529454
Toluene-d8					101.5	84-116		WG529454
a,a,a-Trifluorotoluene					105.8	80-118		WG529454
1,2,4-Trichlorobenzene	mg/kg	0.242	0	.333	72.6	37-104	L509078-02	WG529152
2,4,6-Trichlorophenol	mg/kg	0.280	0	.333	84.0	27-128	L509078-02	WG529152
2,4-Dichlorophenol	mg/kg	0.273	0	.333	81.9	39-116	L509078-02	WG529152
2,4-Dimethylphenol	mg/kg	0.292	0	.333	87.8	50-119	L509078-02	WG529152
2,4-Dinitrophenol	mg/kg	0.199	0	.333	59.9	10-123	L509078-02	WG529152
2,4-Dinitrotoluene	mg/kg	0.293	0	.333	88.0	52-121	L509078-02	WG529152
2,6-Dinitrotoluene	mg/kg	0.295	0	.333	88.4	53-114	L509078-02	WG529152
2-Chloronaphthalene	mg/kg	0.277	0	.333	83.0	52-101	L509078-02	WG529152
2-Chlorophenol	mg/kg	0.236	0	.333	70.8	41-112	L509078-02	WG529152
2-Nitrophenol	mg/kg	0.286	0	.333	86.0	23-117	L509078-02	WG529152
3,3-Dichlorobenzidine	mg/kg	0.247	0	.333	74.1	10-133	L509078-02	WG529152
4,6-Dinitro-2-methylphenol	mg/kg	0.110	0	.333	33.2	10-124	L509078-02	WG529152

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Bromophenyl-phenylether	mg/kg	0.347	0	.333	104.*	37-103	L509078-02	WG529152
4-Chloro-3-methylphenol	mg/kg	0.287	0	.333	86.1	52-119	L509078-02	WG529152
4-Chlorophenyl-phenylether	mg/kg	0.317	0	.333	95.1	53-105	L509078-02	WG529152
4-Nitrophenol	mg/kg	0.224	0	.333	67.2	15-140	L509078-02	WG529152
Acenaphthene	mg/kg	0.296	0	.333	88.8	52-102	L509078-02	WG529152
Acenaphthylene	mg/kg	0.314	0	.333	94.2	54-103	L509078-02	WG529152
Anthracene	mg/kg	0.296	0	.333	88.8	55-114	L509078-02	WG529152
Benzidine	mg/kg	0.0132	0	.333	3.97	0-45	L509078-02	WG529152
Benzo(a)anthracene	mg/kg	0.298	0	.333	89.6	37-124	L509078-02	WG529152
Benzo(a)pyrene	mg/kg	0.296	0	.333	89.0	44-129	L509078-02	WG529152
Benzo(b)fluoranthene	mg/kg	0.291	0	.333	87.3	28-135	L509078-02	WG529152
Benzo(g,h,i)perylene	mg/kg	0.263	0	.333	79.0	25-123	L509078-02	WG529152
Benzo(k)fluoranthene	mg/kg	0.296	0	.333	89.0	41-116	L509078-02	WG529152
Benzylbutyl phthalate	mg/kg	0.378	0	.333	114.	45-143	L509078-02	WG529152
Bis(2-chlorethoxy)methane	mg/kg	0.293	0	.333	88.0	48-108	L509078-02	WG529152
Bis(2-chloroethyl)ether	mg/kg	0.251	0	.333	75.3	36-115	L509078-02	WG529152
Bis(2-chloroisopropyl)ether	mg/kg	0.272	0	.333	81.6	44-109	L509078-02	WG529152
Bis(2-ethylhexyl)phthalate	mg/kg	0.372	0	.333	112.	40-128	L509078-02	WG529152
Chrysene	mg/kg	0.277	0	.333	83.1	39-119	L509078-02	WG529152
Di-n-butyl phthalate	mg/kg	0.331	0	.333	99.3	49-121	L509078-02	WG529152
Di-n-octyl phthalate	mg/kg	0.351	0	.333	105.	40-132	L509078-02	WG529152
Dibenz(a,h)anthracene	mg/kg	0.276	0	.333	82.9	29-123	L509078-02	WG529152
Diethyl phthalate	mg/kg	0.323	0	.333	96.9	51-113	L509078-02	WG529152
Dimethyl phthalate	mg/kg	0.322	0	.333	96.7	54-108	L509078-02	WG529152
Fluoranthene	mg/kg	0.294	0	.333	88.2	23-143	L509078-02	WG529152
Fluorene	mg/kg	0.292	0	.333	87.6	53-107	L509078-02	WG529152
Hexachloro-1,3-butadiene	mg/kg	0.284	0	.333	85.3	39-113	L509078-02	WG529152
Hexachlorobenzene	mg/kg	0.325	0	.333	97.7	49-108	L509078-02	WG529152
Hexachlorocyclopentadiene	mg/kg	0.154	0	.333	46.1	10-131	L509078-02	WG529152
Hexachloroethane	mg/kg	0.201	0	.333	60.5	25-118	L509078-02	WG529152
Indeno(1,2,3-cd)pyrene	mg/kg	0.279	0	.333	83.7	28-125	L509078-02	WG529152
Isophorone	mg/kg	0.266	0	.333	79.8	51-115	L509078-02	WG529152
n-Nitrosodi-n-propylamine	mg/kg	0.290	0	.333	87.0	54-110	L509078-02	WG529152
n-Nitrosodimethylamine	mg/kg	0.235	0	.333	70.5	20-116	L509078-02	WG529152
n-Nitrosodiphenylamine	mg/kg	0.270	0	.333	81.1	54-138	L509078-02	WG529152
Naphthalene	mg/kg	0.265	0	.333	79.6	41-100	L509078-02	WG529152
Nitrobenzene	mg/kg	0.240	0	.333	72.0	40-102	L509078-02	WG529152
Pentachlorophenol	mg/kg	0.194	0	.333	58.4	10-146	L509078-02	WG529152
Phenanthrene	mg/kg	0.300	0	.333	90.0	37-125	L509078-02	WG529152
Phenol	mg/kg	0.272	0	.333	81.6	52-111	L509078-02	WG529152
Pyrene	mg/kg	0.310	0	.333	93.1	22-151	L509078-02	WG529152
2,4,6-Tribromophenol					121.4	25-137		WG529152
2-Fluorobiphenyl					89.53	30-120		WG529152
2-Fluorophenol					72.10	26-130		WG529152
Nitrobenzene-d5					77.81	18-119		WG529152
Phenol-d5					86.32	37-141		WG529152
p-Terphenyl-d14					91.65	23-143		WG529152
1,2,4-Trichlorobenzene	mg/kg	0.226	0	.333	67.8	37-104	L509085-08	WG529151
2,4,6-Trichlorophenol	mg/kg	0.279	0	.333	83.7	27-128	L509085-08	WG529151
2,4-Dichlorophenol	mg/kg	0.266	0	.333	79.7	39-116	L509085-08	WG529151
2,4-Dimethylphenol	mg/kg	0.288	0	.333	86.4	50-119	L509085-08	WG529151
2,4-Dinitrophenol	mg/kg	0.191	0	.333	57.4	10-123	L509085-08	WG529151
2,4-Dinitrotoluene	mg/kg	0.302	0	.333	90.7	52-121	L509085-08	WG529151
2,6-Dinitrotoluene	mg/kg	0.303	0	.333	91.0	53-114	L509085-08	WG529151
2-Chloronaphthalene	mg/kg	0.275	0	.333	82.5	52-101	L509085-08	WG529151
2-Chlorophenol	mg/kg	0.233	0	.333	70.0	41-112	L509085-08	WG529151
2-Nitrophenol	mg/kg	0.319	0	.333	95.9	23-117	L509085-08	WG529151

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Est. 1970

S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
3,3-Dichlorobenzidine	mg/kg	0.203	0	.333	60.9	10-133	L509085-08	WG529151
4,6-Dinitro-2-methylphenol	mg/kg	0.0986	0	.333	29.6	10-124	L509085-08	WG529151
4-Bromophenyl-phenylether	mg/kg	0.336	0	.333	101.	37-103	L509085-08	WG529151
4-Chloro-3-methylphenol	mg/kg	0.299	0	.333	89.7	52-119	L509085-08	WG529151
4-Chlorophenyl-phenylether	mg/kg	0.317	0	.333	95.3	53-105	L509085-08	WG529151
4-Nitrophenol	mg/kg	0.243	0	.333	72.8	15-140	L509085-08	WG529151
Acenaphthene	mg/kg	0.292	0	.333	87.7	52-102	L509085-08	WG529151
Acenaphthylene	mg/kg	0.315	0	.333	94.4	54-103	L509085-08	WG529151
Anthracene	mg/kg	0.304	0	.333	91.3	55-114	L509085-08	WG529151
Benzidine	mg/kg	0.00518	0	.333	1.56	0-45	L509085-08	WG529151
Benzo(a)anthracene	mg/kg	0.282	0	.333	84.6	37-124	L509085-08	WG529151
Benzo(a)pyrene	mg/kg	0.275	0	.333	82.6	44-129	L509085-08	WG529151
Benzo(b)fluoranthene	mg/kg	0.270	0	.333	81.0	28-135	L509085-08	WG529151
Benzo(g,h,i)perylene	mg/kg	0.246	0	.333	73.9	25-123	L509085-08	WG529151
Benzo(k)fluoranthene	mg/kg	0.281	0	.333	84.4	41-116	L509085-08	WG529151
Benzylbutyl phthalate	mg/kg	0.341	0	.333	102.	45-143	L509085-08	WG529151
Bis(2-chlorethoxy)methane	mg/kg	0.292	0	.333	87.7	48-108	L509085-08	WG529151
Bis(2-chloroethyl)ether	mg/kg	0.291	0	.333	87.4	36-115	L509085-08	WG529151
Bis(2-chloroisopropyl)ether	mg/kg	0.256	0	.333	76.9	44-109	L509085-08	WG529151
Bis(2-ethylhexyl)phthalate	mg/kg	0.333	0	.333	100.	40-128	L509085-08	WG529151
Chrysene	mg/kg	0.276	0	.333	82.8	39-119	L509085-08	WG529151
Di-n-butyl phthalate	mg/kg	0.310	0	.333	93.1	49-121	L509085-08	WG529151
Di-n-octyl phthalate	mg/kg	0.314	0	.333	94.4	40-132	L509085-08	WG529151
Dibenz(a,h)anthracene	mg/kg	0.261	0	.333	78.2	29-123	L509085-08	WG529151
Diethyl phthalate	mg/kg	0.323	0	.333	97.1	51-113	L509085-08	WG529151
Dimethyl phthalate	mg/kg	0.332	0	.333	99.8	54-108	L509085-08	WG529151
Fluoranthene	mg/kg	0.285	0	.333	85.6	23-143	L509085-08	WG529151
Fluorene	mg/kg	0.301	0	.333	90.3	53-107	L509085-08	WG529151
Hexachloro-1,3-butadiene	mg/kg	0.254	0	.333	76.4	39-113	L509085-08	WG529151
Hexachlorobenzene	mg/kg	0.318	0	.333	95.5	49-108	L509085-08	WG529151
Hexachlorocyclopentadiene	mg/kg	0.121	0	.333	36.4	10-131	L509085-08	WG529151
Hexachloroethane	mg/kg	0.186	0	.333	56.0	25-118	L509085-08	WG529151
Indeno(1,2,3-cd)pyrene	mg/kg	0.258	0	.333	77.4	28-125	L509085-08	WG529151
Isophorone	mg/kg	0.262	0	.333	78.7	51-115	L509085-08	WG529151
n-Nitrosodi-n-propylamine	mg/kg	0.284	0	.333	85.4	54-110	L509085-08	WG529151
n-Nitrosodimethylamine	mg/kg	0.232	0	.333	69.5	20-116	L509085-08	WG529151
n-Nitrosodiphenylamine	mg/kg	0.271	0	.333	81.2	54-138	L509085-08	WG529151
Naphthalene	mg/kg	0.252	0	.333	75.7	41-100	L509085-08	WG529151
Nitrobenzene	mg/kg	0.245	0	.333	73.5	40-102	L509085-08	WG529151
Pentachlorophenol	mg/kg	0.204	0	.333	61.4	10-146	L509085-08	WG529151
Phenanthrene	mg/kg	0.299	0	.333	89.8	37-125	L509085-08	WG529151
Phenol	mg/kg	0.259	0	.333	77.9	52-111	L509085-08	WG529151
Pyrene	mg/kg	0.293	0	.333	88.1	22-151	L509085-08	WG529151
2,4,6-Tribromophenol					118.3	25-137		WG529151
2-Fluorobiphenyl					90.15	30-120		WG529151
2-Fluorophenol					70.99	26-130		WG529151
Nitrobenzene-d5					75.53	18-119		WG529151
Phenol-d5					86.79	37-141		WG529151
p-Terphenyl-d14					102.7	23-143		WG529151
Silver	mg/kg	46.3	0	50	92.6	75-125	L509225-38	WG529308
Arsenic	mg/kg	50.6	5.10	50	91.0	75-125	L508983-101	WG529265
Barium	mg/kg	192.	110.	50	164.*	75-125	L508983-101	WG529265
Cadmium	mg/kg	44.6	0	50	89.2	75-125	L508983-101	WG529265
Chromium	mg/kg	59.2	14.0	50	90.4	75-125	L508983-101	WG529265
Lead	mg/kg	55.8	8.60	50	94.4	75-125	L508983-101	WG529265

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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Selenium	mg/kg	42.6	0	50	85.2	75-125	L508983-101	WG529265
Silver	mg/kg	43.6	0	50	87.2	75-125	L508983-101	WG529265
Mercury	mg/kg	0.230	0.00450	.25	90.2	70-130	L509202-12	WG529226
PCB 1016	mg/kg	0.118	0	.167	70.6	70-130	L509092-02	WG529162
PCB 1260	mg/kg	0.129	0	.167	77.2	10-139	L509092-02	WG529162

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0145	0.0135	58.0	29-145	7.44	31	L509137-05	WG529118
1,1,1-Trichloroethane	mg/kg	0.00741	0.00582	29.6	23-147	24.0	32	L509137-05	WG529118
1,1,2,2-Tetrachloroethane	mg/kg	0.0203	0.0189	81.2	18-150	7.44	33	L509137-05	WG529118
1,1,2-Trichloroethane	mg/kg	0.0175	0.0190	69.9	35-140	8.34	29	L509137-05	WG529118
1,1-Dichloroethane	mg/kg	0.00919	0.00785	36.8	24-148	15.8	31	L509137-05	WG529118
1,1-Dichloroethene	mg/kg	0.00739	0.00582	29.6	10-149	23.7	34	L509137-05	WG529118
1,1-Dichloropropene	mg/kg	0.00679	0.00551	27.2	10-141	20.7	34	L509137-05	WG529118
1,2,3-Trichlorobenzene	mg/kg	0.0148	0.0130	59.0	10-129	12.7	43	L509137-05	WG529118
1,2,3-Trichloropropane	mg/kg	0.0216	0.0211	86.5	30-148	2.34	32	L509137-05	WG529118
1,2,4-Trichlorobenzene	mg/kg	0.0135	0.0124	54.1	10-119	8.31	44	L509137-05	WG529118
1,2,4-Trimethylbenzene	mg/kg	0.0115	0.0101	45.9	10-145	13.1	41	L509137-05	WG529118
1,2-Dibromo-3-Chloropropane	mg/kg	0.0212	0.0189	84.9	19-145	11.7	35	L509137-05	WG529118
1,2-Dibromoethane	mg/kg	0.0188	0.0201	75.2	24-145	6.58	31	L509137-05	WG529118
1,2-Dichlorobenzene	mg/kg	0.0143	0.0134	57.2	12-130	6.21	35	L509137-05	WG529118
1,2-Dichloroethane	mg/kg	0.0135	0.0132	53.9	21-155	1.80	29	L509137-05	WG529118
1,2-Dichloropropane	mg/kg	0.0127	0.0119	50.7	28-144	5.95	30	L509137-05	WG529118
1,3,5-Trimethylbenzene	mg/kg	0.0105	0.00929	41.8	10-135	11.9	39	L509137-05	WG529118
1,3-Dichlorobenzene	mg/kg	0.0141	0.0129	56.3	10-129	8.34	38	L509137-05	WG529118
1,3-Dichloropropane	mg/kg	0.0161	0.0175	64.5	31-137	8.12	29	L509137-05	WG529118
1,4-Dichlorobenzene	mg/kg	0.0126	0.0124	50.3	10-121	1.08	36	L509137-05	WG529118
2,2-Dichloropropane	mg/kg	0.00752	0.00593	30.1	18-144	23.7	32	L509137-05	WG529118
2-Butanone (MEK)	mg/kg	0.0860	0.0877	68.8	21-143	2.00	37	L509137-05	WG529118
2-Chloroethyl vinyl ether	mg/kg	0.0660	0.0715	52.8	0-176	7.92	50	L509137-05	WG529118
2-Chlorotoluene	mg/kg	0.0112	0.0100	44.7	10-132	10.8	37	L509137-05	WG529118
4-Chlorotoluene	mg/kg	0.0114	0.0108	45.5	10-129	5.37	38	L509137-05	WG529118
4-Methyl-2-pentanone (MIBK)	mg/kg	0.109	0.0974	87.1	31-151	11.2	36	L509137-05	WG529118
Acetone	mg/kg	0.0890	0.0761	71.2	13-158	15.6	34	L509137-05	WG529118
Acrylonitrile	mg/kg	0.106	0.0947	84.6	20-154	11.0	35	L509137-05	WG529118
Benzene	mg/kg	0.00967	0.00865	38.7	16-143	11.1	31	L509137-05	WG529118
Bromobenzene	mg/kg	0.0124	0.0118	49.5	14-135	5.00	39	L509137-05	WG529118
Bromodichloromethane	mg/kg	0.0132	0.0129	52.7	27-139	2.47	30	L509137-05	WG529118
Bromoform	mg/kg	0.0216	0.0206	86.2	21-144	4.54	34	L509137-05	WG529118
Bromomethane	mg/kg	0.00881	0.00715	35.2	0-180	20.8	41	L509137-05	WG529118
Carbon tetrachloride	mg/kg	0.00713	0.00556	28.5	12-149	24.8	34	L509137-05	WG529118
Chlorobenzene	mg/kg	0.0123	0.0124	49.1	17-134	1.15	34	L509137-05	WG529118
Chlorodibromomethane	mg/kg	0.0177	0.0180	70.9	28-147	1.31	32	L509137-05	WG529118
Chloroethane	mg/kg	0.00776	0.00608	31.0	0-172	24.3	38	L509137-05	WG529118
Chloroform	mg/kg	0.0104	0.00920	41.6	28-138	12.3	30	L509137-05	WG529118
Chloromethane	mg/kg	0.00824	0.00663	32.9	10-158	21.6	35	L509137-05	WG529118
cis-1,2-Dichloroethene	mg/kg	0.0110	0.00987	44.0	21-147	10.7	31	L509137-05	WG529118
cis-1,3-Dichloropropene	mg/kg	0.0134	0.0138	53.7	17-145	2.50	32	L509137-05	WG529118
Di-isopropyl ether	mg/kg	0.0130	0.0120	52.1	31-153	8.48	29	L509137-05	WG529118
Dibromomethane	mg/kg	0.0167	0.0152	66.7	24-147	8.99	30	L509137-05	WG529118
Dichlorodifluoromethane	mg/kg	0.00583	0.00461	23.3	0-192	23.4	38	L509137-05	WG529118
Ethylbenzene	mg/kg	0.0104	0.00979	41.4	12-137	5.66	36	L509137-05	WG529118
Hexachloro-1,3-butadiene	mg/kg	0.00749	0.00682	30.0	10-123	9.39	50	L509137-05	WG529118

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Isopropylbenzene	mg/kg	0.00938	0.00828	37.5	14-134	12.4	37	L509137-05	WG529118
Methyl tert-butyl ether	mg/kg	0.0153	0.0136	61.1	21-157	11.4	31	L509137-05	WG529118
Methylene Chloride	mg/kg	0.0118	0.0103	47.1	12-149	13.6	31	L509137-05	WG529118
n-Butylbenzene	mg/kg	0.00763	0.00674	30.5	10-130	12.3	48	L509137-05	WG529118
n-Propylbenzene	mg/kg	0.00916	0.00819	36.6	10-130	11.2	40	L509137-05	WG529118
Naphthalene	mg/kg	0.0183	0.0159	73.1	0-146	13.9	43	L509137-05	WG529118
p-Isopropyltoluene	mg/kg	0.00958	0.00857	38.3	10-131	11.1	43	L509137-05	WG529118
sec-Butylbenzene	mg/kg	0.00893	0.00786	35.7	10-134	12.9	43	L509137-05	WG529118
Styrene	mg/kg	0.0136	0.0134	54.3	10-140	1.02	35	L509137-05	WG529118
tert-Butylbenzene	mg/kg	0.00971	0.00901	38.8	11-137	7.48	39	L509137-05	WG529118
Tetrachloroethene	mg/kg	0.00868	0.00776	34.7	10-131	11.2	35	L509137-05	WG529118
Toluene	mg/kg	0.00991	0.00908	39.6	12-136	8.81	32	L509137-05	WG529118
trans-1,2-Dichloroethene	mg/kg	0.00886	0.00693	35.4	10-143	24.4	33	L509137-05	WG529118
trans-1,3-Dichloropropene	mg/kg	0.0149	0.0158	59.4	16-147	6.12	32	L509137-05	WG529118
Trichloroethene	mg/kg	0.00914	0.00805	36.6	10-155	12.7	33	L509137-05	WG529118
Trichlorofluoromethane	mg/kg	0.00609	0.00458	24.4	10-154	28.2	32	L509137-05	WG529118
Vinyl chloride	mg/kg	0.00709	0.00537	28.4	10-159	27.6	36	L509137-05	WG529118
Xylenes, Total	mg/kg	0.0328	0.0304	43.7	10-138	7.59	36	L509137-05	WG529118
4-Bromofluorobenzene				103.5	59-140				WG529118
Dibromofluoromethane				97.45	63-139				WG529118
Toluene-d8				98.69	84-116				WG529118
a,a,a-Trifluorotoluene				105.0	80-118				WG529118
1,1,1,2-Tetrachloroethane	mg/kg	0.135	0.131	108.	29-145	3.29	31	L509239-02	WG529231
1,1,1-Trichloroethane	mg/kg	0.143	0.135	115.	23-147	5.93	32	L509239-02	WG529231
1,1,2,2-Tetrachloroethane	mg/kg	0.118	0.111	94.1	18-150	6.04	33	L509239-02	WG529231
1,1,2-Trichloroethane	mg/kg	0.122	0.115	97.8	35-140	6.43	29	L509239-02	WG529231
1,1-Dichloroethane	mg/kg	0.143	0.137	114.	24-148	4.58	31	L509239-02	WG529231
1,1-Dichloroethene	mg/kg	0.134	0.128	107.	10-149	4.25	34	L509239-02	WG529231
1,1-Dichloropropene	mg/kg	0.138	0.132	111.	10-141	4.59	34	L509239-02	WG529231
1,2,3-Trichlorobenzene	mg/kg	0.0964	0.0952	77.1	10-129	1.20	43	L509239-02	WG529231
1,2,3-Trichloropropane	mg/kg	0.110	0.112	88.2	30-148	1.97	32	L509239-02	WG529231
1,2,4-Trichlorobenzene	mg/kg	0.103	0.103	82.8	10-119	0.720	44	L509239-02	WG529231
1,2,4-Trimethylbenzene	mg/kg	0.127	0.126	101.	10-145	0.850	41	L509239-02	WG529231
1,2-Dibromo-3-Chloropropane	mg/kg	0.101	0.0978	81.1	19-145	3.70	35	L509239-02	WG529231
1,2-Dibromoethane	mg/kg	0.125	0.119	99.9	24-145	5.13	31	L509239-02	WG529231
1,2-Dichlorobenzene	mg/kg	0.119	0.118	95.3	12-130	1.10	35	L509239-02	WG529231
1,2-Dichloroethane	mg/kg	0.131	0.126	105.	21-155	4.33	29	L509239-02	WG529231
1,2-Dichloropropane	mg/kg	0.131	0.119	105.	28-144	9.74	30	L509239-02	WG529231
1,3,5-Trimethylbenzene	mg/kg	0.132	0.128	106.	10-135	3.19	39	L509239-02	WG529231
1,3-Dichlorobenzene	mg/kg	0.118	0.114	94.3	10-129	2.96	38	L509239-02	WG529231
1,3-Dichloropropane	mg/kg	0.121	0.114	96.5	31-137	5.90	29	L509239-02	WG529231
1,4-Dichlorobenzene	mg/kg	0.116	0.118	92.9	10-121	1.39	36	L509239-02	WG529231
2,2-Dichloropropane	mg/kg	0.148	0.144	119.	18-144	2.97	32	L509239-02	WG529231
2-Butanone (MEK)	mg/kg	0.595	0.553	95.2	21-143	7.34	37	L509239-02	WG529231
2-Chloroethyl vinyl ether	mg/kg	0.499	0.465	79.8	0-176	7.01	50	L509239-02	WG529231
2-Chlorotoluene	mg/kg	0.135	0.133	108.	10-132	1.64	37	L509239-02	WG529231
4-Chlorotoluene	mg/kg	0.120	0.121	95.6	10-129	1.22	38	L509239-02	WG529231
4-Methyl-2-pentanone (MIBK)	mg/kg	0.618	0.561	98.9	31-151	9.72	36	L509239-02	WG529231
Acetone	mg/kg	0.609	0.585	97.4	13-158	4.00	34	L509239-02	WG529231
Acrylonitrile	mg/kg	0.614	0.584	98.3	20-154	5.01	35	L509239-02	WG529231
Benzene	mg/kg	0.137	0.134	109.	16-143	1.97	31	L509239-02	WG529231
Bromobenzene	mg/kg	0.118	0.116	94.4	14-135	1.68	39	L509239-02	WG529231
Bromodichloromethane	mg/kg	0.145	0.135	116.	27-139	7.56	30	L509239-02	WG529231
Bromoform	mg/kg	0.126	0.124	101.	21-144	1.95	34	L509239-02	WG529231
Bromomethane	mg/kg	0.182	0.176	146.	0-180	3.45	41	L509239-02	WG529231
Carbon tetrachloride	mg/kg	0.153	0.148	122.	12-149	3.15	34	L509239-02	WG529231
Chlorobenzene	mg/kg	0.128	0.125	102.	17-134	2.14	34	L509239-02	WG529231

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Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chlorodibromomethane	mg/kg	0.141	0.134	113.	28-147	4.81	32	L509239-02	WG529231
Chloroethane	mg/kg	0.147	0.148	118.	0-172	0.500	38	L509239-02	WG529231
Chloroform	mg/kg	0.138	0.133	111.	28-138	4.31	30	L509239-02	WG529231
Chloromethane	mg/kg	0.135	0.134	108.	10-158	0.730	35	L509239-02	WG529231
cis-1,2-Dichloroethene	mg/kg	0.139	0.133	111.	21-147	4.15	31	L509239-02	WG529231
cis-1,3-Dichloropropene	mg/kg	0.143	0.132	114.	17-145	7.79	32	L509239-02	WG529231
Di-isopropyl ether	mg/kg	0.143	0.136	114.	31-153	5.06	29	L509239-02	WG529231
Dibromomethane	mg/kg	0.129	0.122	103.	24-147	5.33	30	L509239-02	WG529231
Dichlorodifluoromethane	mg/kg	0.119	0.119	95.5	0-192	0.0700	38	L509239-02	WG529231
Ethylbenzene	mg/kg	0.127	0.124	102.	12-137	2.76	36	L509239-02	WG529231
Hexachloro-1,3-butadiene	mg/kg	0.119	0.122	95.4	10-123	2.41	50	L509239-02	WG529231
Isopropylbenzene	mg/kg	0.134	0.128	107.	14-134	4.29	37	L509239-02	WG529231
Methyl tert-butyl ether	mg/kg	0.134	0.126	107.	21-157	6.06	31	L509239-02	WG529231
Methylene Chloride	mg/kg	0.123	0.116	98.5	12-149	5.63	31	L509239-02	WG529231
n-Butylbenzene	mg/kg	0.131	0.130	104.	10-130	0.800	48	L509239-02	WG529231
n-Propylbenzene	mg/kg	0.127	0.124	101.	10-130	1.96	40	L509239-02	WG529231
Naphthalene	mg/kg	0.105	0.103	84.1	0-146	2.48	43	L509239-02	WG529231
p-Isopropyltoluene	mg/kg	0.135	0.132	108.	10-131	2.43	43	L509239-02	WG529231
sec-Butylbenzene	mg/kg	0.134	0.130	107.	10-134	2.74	43	L509239-02	WG529231
Styrene	mg/kg	0.129	0.124	104.	10-140	4.31	35	L509239-02	WG529231
tert-Butylbenzene	mg/kg	0.136	0.131	108.	11-137	3.50	39	L509239-02	WG529231
Tetrachloroethene	mg/kg	0.127	0.123	102.	10-131	3.22	35	L509239-02	WG529231
Toluene	mg/kg	0.142	0.132	113.	12-136	7.27	32	L509239-02	WG529231
trans-1,2-Dichloroethene	mg/kg	0.135	0.135	108.	10-143	0.0600	33	L509239-02	WG529231
trans-1,3-Dichloropropene	mg/kg	0.124	0.118	98.8	16-147	4.55	32	L509239-02	WG529231
Trichloroethene	mg/kg	0.136	0.125	108.	10-155	7.94	33	L509239-02	WG529231
Trichlorofluoromethane	mg/kg	0.149	0.148	119.	10-154	0.740	32	L509239-02	WG529231
Vinyl chloride	mg/kg	0.135	0.129	108.	10-159	4.71	36	L509239-02	WG529231
Xylenes, Total	mg/kg	0.380	0.373	101.	10-138	1.97	36	L509239-02	WG529231
4-Bromofluorobenzene				94.50	59-140				WG529231
Dibromofluoromethane				104.8	63-139				WG529231
Toluene-d8				104.0	84-116				WG529231
a,a,a-Trifluorotoluene				103.1	80-118				WG529231
Arsenic	mg/kg	38.5	43.9	74.6*	75-125	13.1	20	L509137-04	WG529143
Barium	mg/kg	73.2	143.	70.4*	75-125	64.6*	20	L509137-04	WG529143
Cadmium	mg/kg	45.9	47.6	91.8	75-125	3.64	20	L509137-04	WG529143
Chromium	mg/kg	51.3	51.6	85.8	75-125	0.583	20	L509137-04	WG529143
Lead	mg/kg	58.7	77.9	91.4	75-125	28.1*	20	L509137-04	WG529143
Selenium	mg/kg	39.7	42.0	79.4	75-125	5.63	20	L509137-04	WG529143
PCB 1016	mg/kg	0.150	0.130	90.0	70-130	14.7	25	L509288-05	WG529271
PCB 1260	mg/kg	0.157	0.126	93.9	10-139	21.5	39	L509288-05	WG529271
1,1,1,2-Tetrachloroethane	mg/kg	0.0213	0.0227	85.3	29-145	6.06	31	L509177-01	WG529119
1,1,1-Trichloroethane	mg/kg	0.0224	0.0255	89.6	23-147	12.8	32	L509177-01	WG529119
1,1,2,2-Tetrachloroethane	mg/kg	0.0253	0.0288	101.	18-150	12.7	33	L509177-01	WG529119
1,1,2-Trichloroethane	mg/kg	0.0227	0.0250	91.0	35-140	9.26	29	L509177-01	WG529119
1,1-Dichloroethane	mg/kg	0.0208	0.0240	83.1	24-148	14.3	31	L509177-01	WG529119
1,1-Dichloropropene	mg/kg	0.0197	0.0227	78.9	10-141	14.1	34	L509177-01	WG529119
1,2,3-Trichlorobenzene	mg/kg	0.0221	0.0249	88.4	10-129	12.1	43	L509177-01	WG529119
1,2,3-Trichloropropane	mg/kg	0.0249	0.0278	99.5	30-148	11.0	32	L509177-01	WG529119
1,2,4-Trichlorobenzene	mg/kg	0.0206	0.0232	82.4	10-119	11.7	44	L509177-01	WG529119
1,2,4-Trimethylbenzene	mg/kg	0.0226	0.0240	90.5	10-145	5.87	41	L509177-01	WG529119
1,2-Dibromoethane	mg/kg	0.0235	0.0243	93.8	24-145	3.71	31	L509177-01	WG529119
1,2-Dichlorobenzene	mg/kg	0.0224	0.0247	89.6	12-130	9.70	35	L509177-01	WG529119

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Level II

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April 06, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dichloroethane	mg/kg	0.0240	0.0276	95.8	21-155	14.1	29	L509177-01	WG529119
1,2-Dichloropropane	mg/kg	0.0215	0.0237	86.1	28-144	9.81	30	L509177-01	WG529119
1,3,5-Trimethylbenzene	mg/kg	0.0223	0.0236	89.2	10-135	5.64	39	L509177-01	WG529119
1,3-Dichlorobenzene	mg/kg	0.0223	0.0234	89.3	10-129	4.65	38	L509177-01	WG529119
1,3-Dichloropropane	mg/kg	0.0227	0.0239	90.8	31-137	5.14	29	L509177-01	WG529119
1,4-Dichlorobenzene	mg/kg	0.0239	0.0250	95.8	10-121	4.43	36	L509177-01	WG529119
2,2-Dichloropropane	mg/kg	0.0234	0.0276	93.8	18-144	16.1	32	L509177-01	WG529119
2-Butanone (MEK)	mg/kg	0.112	0.134	89.8	21-143	17.3	37	L509177-01	WG529119
2-Chloroethyl vinyl ether	mg/kg	0.113	0.125	90.2	0-176	10.1	50	L509177-01	WG529119
2-Chlorotoluene	mg/kg	0.0252	0.0269	101.	10-132	6.79	37	L509177-01	WG529119
4-Chlorotoluene	mg/kg	0.0223	0.0235	89.2	10-129	5.08	38	L509177-01	WG529119
4-Methyl-2-pentanone (MIBK)	mg/kg	0.117	0.143	93.8	31-151	20.0	36	L509177-01	WG529119
Acetone	mg/kg	0.104	0.129	83.4	13-158	21.2	34	L509177-01	WG529119
Acrylonitrile	mg/kg	0.122	0.149	97.4	20-154	20.0	35	L509177-01	WG529119
Benzene	mg/kg	0.0200	0.0223	79.9	16-143	11.1	31	L509177-01	WG529119
Bromobenzene	mg/kg	0.0256	0.0270	102.	14-135	5.32	39	L509177-01	WG529119
Bromodichloromethane	mg/kg	0.0230	0.0261	91.8	27-139	12.7	30	L509177-01	WG529119
Bromoform	mg/kg	0.0204	0.0226	81.6	21-144	10.2	34	L509177-01	WG529119
Bromomethane	mg/kg	0.0240	0.0289	96.1	0-180	18.6	41	L509177-01	WG529119
Carbon tetrachloride	mg/kg	0.0209	0.0238	83.4	12-149	13.0	34	L509177-01	WG529119
Chlorobenzene	mg/kg	0.0217	0.0231	86.9	17-134	6.23	34	L509177-01	WG529119
Chlorodibromomethane	mg/kg	0.0219	0.0235	87.7	28-147	7.07	32	L509177-01	WG529119
Chloroform	mg/kg	0.0220	0.0252	88.1	28-138	13.5	30	L509177-01	WG529119
Chloromethane	mg/kg	0.0199	0.0231	79.5	10-158	15.1	35	L509177-01	WG529119
cis-1,2-Dichloroethene	mg/kg	0.0193	0.0220	77.0	21-147	13.5	31	L509177-01	WG529119
cis-1,3-Dichloropropene	mg/kg	0.0207	0.0225	82.6	17-145	8.47	32	L509177-01	WG529119
Di-isopropyl ether	mg/kg	0.0197	0.0224	78.9	31-153	12.8	29	L509177-01	WG529119
Dibromomethane	mg/kg	0.0230	0.0260	92.0	24-147	12.3	30	L509177-01	WG529119
Dichlorodifluoromethane	mg/kg	0.0247	0.0291	98.7	0-192	16.4	38	L509177-01	WG529119
Ethylbenzene	mg/kg	0.0214	0.0223	85.5	12-137	4.38	36	L509177-01	WG529119
Hexachloro-1,3-butadiene	mg/kg	0.0261	0.0278	104.	10-123	6.44	50	L509177-01	WG529119
Isopropylbenzene	mg/kg	0.0204	0.0216	81.8	14-134	5.31	37	L509177-01	WG529119
Methyl tert-butyl ether	mg/kg	0.0188	0.0224	75.0	21-157	17.5	31	L509177-01	WG529119
Methylene Chloride	mg/kg	0.0194	0.0235	77.8	12-149	18.8	31	L509177-01	WG529119
n-Butylbenzene	mg/kg	0.0220	0.0232	88.2	10-130	5.28	48	L509177-01	WG529119
n-Propylbenzene	mg/kg	0.0253	0.0265	101.	10-130	4.64	40	L509177-01	WG529119
Naphthalene	mg/kg	0.0212	0.0245	85.0	0-146	14.2	43	L509177-01	WG529119
p-Isopropyltoluene	mg/kg	0.0218	0.0231	87.2	10-131	5.74	43	L509177-01	WG529119
sec-Butylbenzene	mg/kg	0.0255	0.0274	102.	10-134	7.03	43	L509177-01	WG529119
Styrene	mg/kg	0.0293	0.0309	117.	10-140	5.52	35	L509177-01	WG529119
Tetrachloroethene	mg/kg	0.0238	0.0237	43.1	10-131	0.320	35	L509177-01	WG529119
Toluene	mg/kg	0.0219	0.0239	87.6	12-136	8.78	32	L509177-01	WG529119
trans-1,2-Dichloroethene	mg/kg	0.0165	0.0202	66.1	10-143	20.0	33	L509177-01	WG529119
trans-1,3-Dichloropropene	mg/kg	0.0224	0.0241	89.4	16-147	7.37	32	L509177-01	WG529119
Trichloroethene	mg/kg	0.0195	0.0214	73.3	10-155	9.03	33	L509177-01	WG529119
Trichlorofluoromethane	mg/kg	0.0280	0.0313	112.	10-154	11.0	32	L509177-01	WG529119
Vinyl chloride	mg/kg	0.0223	0.0264	89.2	10-159	16.7	36	L509177-01	WG529119
Xylenes, Total	mg/kg	0.0639	0.0673	85.2	10-138	5.14	36	L509177-01	WG529119
4-Bromofluorobenzene				98.71	59-140				WG529119
Dibromofluoromethane				115.5	63-139				WG529119
Toluene-d8				106.8	84-116				WG529119
a,a,a-Trifluorotoluene				107.5	80-118				WG529119
Mercury	mg/kg	0.246	0.229	96.8	70-130	7.16	20	L508983-99	WG529096
Mercury	mg/kg	0.246	0.272	95.6	70-130	10.0	20	L509085-08	WG529095

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0282	0.0288	113.	29-145	2.30	31	L509137-12	WG529454
1,1,1-Trichloroethane	mg/kg	0.0233	0.0240	93.2	23-147	3.07	32	L509137-12	WG529454
1,1,2,2-Tetrachloroethane	mg/kg	0.0281	0.0272	112.	18-150	3.29	33	L509137-12	WG529454
1,1,2-Trichloroethane	mg/kg	0.0262	0.0258	105.	35-140	1.54	29	L509137-12	WG529454
1,1-Dichloroethane	mg/kg	0.0224	0.0236	89.8	24-148	4.99	31	L509137-12	WG529454
1,1-Dichloroethene	mg/kg	0.0197	0.0202	79.0	10-149	2.28	34	L509137-12	WG529454
1,1-Dichloropropene	mg/kg	0.0222	0.0233	88.8	10-141	4.67	34	L509137-12	WG529454
1,2,3-Trichlorobenzene	mg/kg	0.0215	0.0241	85.9	10-129	11.5	43	L509137-12	WG529454
1,2,3-Trichloropropane	mg/kg	0.0271	0.0271	108.	30-148	0.0100	32	L509137-12	WG529454
1,2,4-Trichlorobenzene	mg/kg	0.0213	0.0247	85.3	10-119	14.7	44	L509137-12	WG529454
1,2,4-Trimethylbenzene	mg/kg	0.0272	0.0276	109.	10-145	1.44	41	L509137-12	WG529454
1,2-Dibromo-3-Chloropropane	mg/kg	0.0262	0.0254	105.	19-145	2.96	35	L509137-12	WG529454
1,2-Dibromoethane	mg/kg	0.0282	0.0276	113.	24-145	2.13	31	L509137-12	WG529454
1,2-Dichlorobenzene	mg/kg	0.0238	0.0253	95.3	12-130	5.88	35	L509137-12	WG529454
1,2-Dichloroethane	mg/kg	0.0234	0.0244	93.4	21-155	4.26	29	L509137-12	WG529454
1,2-Dichloropropane	mg/kg	0.0241	0.0242	96.4	28-144	0.370	30	L509137-12	WG529454
1,3,5-Trimethylbenzene	mg/kg	0.0271	0.0273	108.	10-135	1.06	39	L509137-12	WG529454
1,3-Dichlorobenzene	mg/kg	0.0245	0.0259	97.8	10-129	5.67	38	L509137-12	WG529454
1,3-Dichloropropane	mg/kg	0.0250	0.0252	100.	31-137	0.650	29	L509137-12	WG529454
1,4-Dichlorobenzene	mg/kg	0.0217	0.0240	86.7	10-121	10.1	36	L509137-12	WG529454
2,2-Dichloropropane	mg/kg	0.0234	0.0243	93.8	18-144	3.60	32	L509137-12	WG529454
2-Butanone (MEK)	mg/kg	0.132	0.132	106.	21-143	0.320	37	L509137-12	WG529454
2-Chloroethyl vinyl ether	mg/kg	0.108	0.108	86.6	0-176	0.740	50	L509137-12	WG529454
2-Chlorotoluene	mg/kg	0.0262	0.0270	105.	10-132	3.05	37	L509137-12	WG529454
4-Chlorotoluene	mg/kg	0.0248	0.0263	99.3	10-129	5.71	38	L509137-12	WG529454
4-Methyl-2-pentanone (MIBK)	mg/kg	0.137	0.134	109.	31-151	1.73	36	L509137-12	WG529454
Acetone	mg/kg	0.131	0.126	104.	13-158	4.02	34	L509137-12	WG529454
Acrylonitrile	mg/kg	0.126	0.125	100.	20-154	0.340	35	L509137-12	WG529454
Benzene	mg/kg	0.0227	0.0232	85.8	16-143	2.33	31	L509137-12	WG529454
Bromobenzene	mg/kg	0.0241	0.0253	96.2	14-135	5.09	39	L509137-12	WG529454
Bromodichloromethane	mg/kg	0.0269	0.0278	108.	27-139	3.28	30	L509137-12	WG529454
Bromoform	mg/kg	0.0290	0.0298	116.	21-144	2.94	34	L509137-12	WG529454
Bromomethane	mg/kg	0.0224	0.0249	89.6	0-180	10.6	41	L509137-12	WG529454
Carbon tetrachloride	mg/kg	0.0256	0.0264	102.	12-149	3.28	34	L509137-12	WG529454
Chlorobenzene	mg/kg	0.0263	0.0264	105.	17-134	0.520	34	L509137-12	WG529454
Chlorodibromomethane	mg/kg	0.0294	0.0299	118.	28-147	1.61	32	L509137-12	WG529454
Chloroethane	mg/kg	0.0201	0.0220	80.2	0-172	9.07	38	L509137-12	WG529454
Chloroform	mg/kg	0.0228	0.0237	91.3	28-138	3.55	30	L509137-12	WG529454
Chloromethane	mg/kg	0.0228	0.0238	91.1	10-158	4.22	35	L509137-12	WG529454
cis-1,2-Dichloroethene	mg/kg	0.0231	0.0241	92.6	21-147	4.08	31	L509137-12	WG529454
cis-1,3-Dichloropropene	mg/kg	0.0258	0.0270	103.	17-145	4.41	32	L509137-12	WG529454
Di-isopropyl ether	mg/kg	0.0232	0.0238	92.6	31-153	2.76	29	L509137-12	WG529454
Dibromomethane	mg/kg	0.0265	0.0271	106.	24-147	2.45	30	L509137-12	WG529454
Dichlorodifluoromethane	mg/kg	0.0216	0.0225	86.4	0-192	4.09	38	L509137-12	WG529454
Ethylbenzene	mg/kg	0.0252	0.0265	101.	12-137	5.02	36	L509137-12	WG529454
Hexachloro-1,3-butadiene	mg/kg	0.0238	0.0254	95.0	10-123	6.54	50	L509137-12	WG529454
Isopropylbenzene	mg/kg	0.0247	0.0250	98.6	14-134	1.57	37	L509137-12	WG529454
Methyl tert-butyl ether	mg/kg	0.0230	0.0231	91.8	21-157	0.540	31	L509137-12	WG529454
Methylene Chloride	mg/kg	0.0199	0.0207	79.6	12-149	4.02	31	L509137-12	WG529454
n-Butylbenzene	mg/kg	0.0227	0.0248	90.9	10-130	8.93	48	L509137-12	WG529454
n-Propylbenzene	mg/kg	0.0249	0.0255	99.7	10-130	2.39	40	L509137-12	WG529454
Naphthalene	mg/kg	0.0248	0.0252	99.2	0-146	1.80	43	L509137-12	WG529454
p-Isopropyltoluene	mg/kg	0.0276	0.0283	110.	10-131	2.37	43	L509137-12	WG529454
sec-Butylbenzene	mg/kg	0.0260	0.0268	104.	10-134	3.01	43	L509137-12	WG529454
Styrene	mg/kg	0.0368	0.0380	147.*	10-140	3.30	35	L509137-12	WG529454
tert-Butylbenzene	mg/kg	0.0273	0.0278	109.	11-137	1.89	39	L509137-12	WG529454
Tetrachloroethene	mg/kg	0.0255	0.0270	102.	10-131	5.87	35	L509137-12	WG529454
Toluene	mg/kg	0.0251	0.0257	100.	12-136	2.30	32	L509137-12	WG529454

* Performance of this Analyte is outside of established criteria.
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Raleigh, NC 27616

Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/kg	0.0214	0.0230	85.8	10-143	7.18	33	L509137-12	WG529454
trans-1,3-Dichloropropene	mg/kg	0.0234	0.0238	93.6	16-147	1.70	32	L509137-12	WG529454
Trichloroethene	mg/kg	0.0240	0.0255	95.9	10-155	6.06	33	L509137-12	WG529454
Trichlorofluoromethane	mg/kg	0.0217	0.0227	86.7	10-154	4.68	32	L509137-12	WG529454
Vinyl chloride	mg/kg	0.0218	0.0223	87.2	10-159	2.32	36	L509137-12	WG529454
Xylenes, Total	mg/kg	0.0774	0.0788	103.	10-138	1.82	36	L509137-12	WG529454
4-Bromofluorobenzene				106.0	59-140				WG529454
Dibromofluoromethane				102.0	63-139				WG529454
Toluene-d8				103.4	84-116				WG529454
a,a,a-Trifluorotoluene				107.4	80-118				WG529454
1,2,4-Trichlorobenzene	mg/kg	0.209	0.242	62.8	37-104	14.4	26	L509078-02	WG529152
2,4,6-Trichlorophenol	mg/kg	0.236	0.280	70.8	27-128	17.0	31	L509078-02	WG529152
2,4-Dichlorophenol	mg/kg	0.235	0.273	70.6	39-116	14.9	23	L509078-02	WG529152
2,4-Dimethylphenol	mg/kg	0.220	0.292	66.1	50-119	28.3*	27	L509078-02	WG529152
2,4-Dinitrophenol	mg/kg	0.186	0.199	55.8	10-123	6.98	42	L509078-02	WG529152
2,4-Dinitrotoluene	mg/kg	0.265	0.293	79.6	52-121	10.0	23	L509078-02	WG529152
2,6-Dinitrotoluene	mg/kg	0.264	0.295	79.2	53-114	11.0	22	L509078-02	WG529152
2-Chloronaphthalene	mg/kg	0.243	0.277	73.1	52-101	12.7	20	L509078-02	WG529152
2-Chlorophenol	mg/kg	0.219	0.236	65.8	41-112	7.20	27	L509078-02	WG529152
2-Nitrophenol	mg/kg	0.259	0.286	77.7	23-117	10.1	31	L509078-02	WG529152
3,3-Dichlorobenzidine	mg/kg	0.218	0.247	65.4	10-133	12.4	41	L509078-02	WG529152
4,6-Dinitro-2-methylphenol	mg/kg	0.0679	0.110	20.4	10-124	47.7*	38	L509078-02	WG529152
4-Bromophenyl-phenylether	mg/kg	0.299	0.347	89.8	37-103	14.9	23	L509078-02	WG529152
4-Chloro-3-methylphenol	mg/kg	0.253	0.287	76.0	52-119	12.5	24	L509078-02	WG529152
4-Chlorophenyl-phenylether	mg/kg	0.272	0.317	81.6	53-105	15.3	20	L509078-02	WG529152
4-Nitrophenol	mg/kg	0.196	0.224	58.7	15-140	13.5	40	L509078-02	WG529152
Acenaphthene	mg/kg	0.259	0.296	77.9	52-102	13.1	23	L509078-02	WG529152
Acenaphthylene	mg/kg	0.268	0.314	80.6	54-103	15.5	22	L509078-02	WG529152
Anthracene	mg/kg	0.260	0.296	78.0	55-114	13.0	21	L509078-02	WG529152
Benzidine	mg/kg	0.0174	0.0132	5.24	0-45	27.5	50	L509078-02	WG529152
Benzo(a)anthracene	mg/kg	0.254	0.298	76.2	37-124	16.1	33	L509078-02	WG529152
Benzo(a)pyrene	mg/kg	0.254	0.296	76.4	44-129	15.2	27	L509078-02	WG529152
Benzo(b)fluoranthene	mg/kg	0.252	0.291	75.6	28-135	14.4	33	L509078-02	WG529152
Benzo(g,h,i)perylene	mg/kg	0.213	0.263	64.0	25-123	20.9	35	L509078-02	WG529152
Benzo(k)fluoranthene	mg/kg	0.257	0.296	77.1	41-116	14.4	34	L509078-02	WG529152
Benzylbutyl phthalate	mg/kg	0.330	0.378	99.0	45-143	13.7	39	L509078-02	WG529152
Bis(2-chlorethoxy)methane	mg/kg	0.261	0.293	78.3	48-108	11.7	23	L509078-02	WG529152
Bis(2-chloroethyl)ether	mg/kg	0.235	0.251	70.5	36-115	6.67	30	L509078-02	WG529152
Bis(2-chloroisopropyl)ether	mg/kg	0.244	0.272	73.3	44-109	10.8	27	L509078-02	WG529152
Bis(2-ethylhexyl)phthalate	mg/kg	0.323	0.372	96.9	40-128	14.4	34	L509078-02	WG529152
Chrysene	mg/kg	0.241	0.277	72.4	39-119	13.7	31	L509078-02	WG529152
Di-n-butyl phthalate	mg/kg	0.293	0.331	87.9	49-121	12.2	22	L509078-02	WG529152
Di-n-octyl phthalate	mg/kg	0.304	0.351	91.4	40-132	14.1	27	L509078-02	WG529152
Dibenz(a,h)anthracene	mg/kg	0.224	0.276	67.3	29-123	20.7	30	L509078-02	WG529152
Diethyl phthalate	mg/kg	0.281	0.323	84.4	51-113	13.8	21	L509078-02	WG529152
Dimethyl phthalate	mg/kg	0.283	0.322	85.0	54-108	12.9	23	L509078-02	WG529152
Fluoranthene	mg/kg	0.258	0.294	77.6	23-143	12.8	29	L509078-02	WG529152
Fluorene	mg/kg	0.259	0.292	77.9	53-107	11.7	22	L509078-02	WG529152
Hexachloro-1,3-butadiene	mg/kg	0.258	0.284	77.5	39-113	9.58	26	L509078-02	WG529152
Hexachlorobenzene	mg/kg	0.268	0.325	80.5	49-108	19.3	27	L509078-02	WG529152
Hexachlorocyclopentadiene	mg/kg	0.131	0.154	39.3	10-131	15.9	39	L509078-02	WG529152
Hexachloroethane	mg/kg	0.194	0.201	58.2	25-118	3.83	35	L509078-02	WG529152
Indeno(1,2,3-cd)pyrene	mg/kg	0.224	0.279	67.4	28-125	21.6	32	L509078-02	WG529152
Isophorone	mg/kg	0.231	0.266	69.3	51-115	14.2	22	L509078-02	WG529152
n-Nitrosodi-n-propylamine	mg/kg	0.251	0.290	75.5	54-110	14.1	23	L509078-02	WG529152
n-Nitrosodimethylamine	mg/kg	0.230	0.235	69.2	20-116	1.98	38	L509078-02	WG529152
n-Nitrosodiphenylamine	mg/kg	0.228	0.270	68.6	54-138	16.7	26	L509078-02	WG529152

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Quality Assurance Report
Level II

L509137

April 06, 2011

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Naphthalene	mg/kg	0.230	0.265	69.0	41-100	14.3	26	L509078-02	WG529152
Nitrobenzene	mg/kg	0.210	0.240	63.1	40-102	13.0	24	L509078-02	WG529152
Pentachlorophenol	mg/kg	0.137	0.194	41.0	10-146	34.9	35	L509078-02	WG529152
Phenanthrene	mg/kg	0.259	0.300	77.8	37-125	14.5	27	L509078-02	WG529152
Phenol	mg/kg	0.244	0.272	73.2	52-111	10.9	22	L509078-02	WG529152
Pyrene	mg/kg	0.267	0.310	80.2	22-151	14.9	38	L509078-02	WG529152
2,4,6-Tribromophenol				101.4	25-137				WG529152
2-Fluorobiphenyl				77.89	30-120				WG529152
2-Fluorophenol				69.20	26-130				WG529152
Nitrobenzene-d5				69.08	18-119				WG529152
Phenol-d5				77.25	37-141				WG529152
p-Terphenyl-d14				85.31	23-143				WG529152
1,2,4-Trichlorobenzene	mg/kg	0.270	0.226	81.0	37-104	17.7	26	L509085-08	WG529151
2,4,6-Trichlorophenol	mg/kg	0.296	0.279	88.8	27-128	5.87	31	L509085-08	WG529151
2,4-Dichlorophenol	mg/kg	0.297	0.266	89.3	39-116	11.3	23	L509085-08	WG529151
2,4-Dimethylphenol	mg/kg	0.307	0.288	92.1	50-119	6.36	27	L509085-08	WG529151
2,4-Dinitrophenol	mg/kg	0.182	0.191	54.8	10-123	4.69	42	L509085-08	WG529151
2,4-Dinitrotoluene	mg/kg	0.305	0.302	91.5	52-121	0.922	23	L509085-08	WG529151
2,6-Dinitrotoluene	mg/kg	0.313	0.303	93.9	53-114	3.22	22	L509085-08	WG529151
2-Chloronaphthalene	mg/kg	0.301	0.275	90.4	52-101	9.10	20	L509085-08	WG529151
2-Chlorophenol	mg/kg	0.287	0.233	86.1	41-112	20.6	27	L509085-08	WG529151
2-Nitrophenol	mg/kg	0.331	0.319	99.5	23-117	3.73	31	L509085-08	WG529151
3,3-Dichlorobenzidine	mg/kg	0.250	0.203	75.1	10-133	20.8	41	L509085-08	WG529151
4,6-Dinitro-2-methylphenol	mg/kg	0.0652	0.0986	19.6	10-124	40.7*	38	L509085-08	WG529151
4-Bromophenyl-phenylether	mg/kg	0.357	0.336	107.*	37-103	6.10	23	L509085-08	WG529151
4-Chloro-3-methylphenol	mg/kg	0.309	0.299	92.7	52-119	3.35	24	L509085-08	WG529151
4-Chlorophenyl-phenylether	mg/kg	0.324	0.317	97.4	53-105	2.23	20	L509085-08	WG529151
4-Nitrophenol	mg/kg	0.236	0.243	70.8	15-140	2.87	40	L509085-08	WG529151
Acenaphthene	mg/kg	0.317	0.292	95.2	52-102	8.21	23	L509085-08	WG529151
Acenaphthylene	mg/kg	0.334	0.315	100.	54-103	6.09	22	L509085-08	WG529151
Anthracene	mg/kg	0.320	0.304	96.1	55-114	5.12	21	L509085-08	WG529151
Benzidine	mg/kg	0.0207	0.00518	6.22	0-45	120.*	50	L509085-08	WG529151
Benzo(a)anthracene	mg/kg	0.294	0.282	88.2	37-124	4.12	33	L509085-08	WG529151
Benzo(a)pyrene	mg/kg	0.296	0.275	88.9	44-129	7.41	27	L509085-08	WG529151
Benzo(b)fluoranthene	mg/kg	0.303	0.270	91.0	28-135	11.6	33	L509085-08	WG529151
Benzo(g,h,i)perylene	mg/kg	0.233	0.246	69.9	25-123	5.62	35	L509085-08	WG529151
Benzo(k)fluoranthene	mg/kg	0.294	0.281	88.3	41-116	4.54	34	L509085-08	WG529151
Benzylbutyl phthalate	mg/kg	0.368	0.341	110.	45-143	7.48	39	L509085-08	WG529151
Bis(2-chlorethoxy)methane	mg/kg	0.325	0.292	97.6	48-108	10.7	23	L509085-08	WG529151
Bis(2-chloroethyl)ether	mg/kg	0.337	0.291	101.	36-115	14.7	30	L509085-08	WG529151
Bis(2-chloroisopropyl)ether	mg/kg	0.320	0.256	96.0	44-109	22.1	27	L509085-08	WG529151
Bis(2-ethylhexyl)phthalate	mg/kg	0.376	0.333	113.	40-128	12.0	34	L509085-08	WG529151
Chrysene	mg/kg	0.286	0.276	85.9	39-119	3.58	31	L509085-08	WG529151
Di-n-butyl phthalate	mg/kg	0.328	0.310	98.6	49-121	5.76	22	L509085-08	WG529151
Di-n-octyl phthalate	mg/kg	0.344	0.314	103.	40-132	9.02	27	L509085-08	WG529151
Dibenz(a,h)anthracene	mg/kg	0.257	0.261	77.2	29-123	1.37	30	L509085-08	WG529151
Diethyl phthalate	mg/kg	0.336	0.323	101.	51-113	3.70	21	L509085-08	WG529151
Dimethyl phthalate	mg/kg	0.344	0.332	103.	54-108	3.34	23	L509085-08	WG529151
Fluoranthene	mg/kg	0.309	0.285	92.8	23-143	8.01	29	L509085-08	WG529151
Fluorene	mg/kg	0.317	0.301	95.3	53-107	5.36	22	L509085-08	WG529151
Hexachloro-1,3-butadiene	mg/kg	0.313	0.254	94.0	39-113	20.7	26	L509085-08	WG529151
Hexachlorobenzene	mg/kg	0.335	0.318	100.	49-108	5.08	27	L509085-08	WG529151
Hexachlorocyclopentadiene	mg/kg	0.121	0.121	36.3	10-131	0.316	39	L509085-08	WG529151
Hexachloroethane	mg/kg	0.251	0.186	75.3	25-118	29.4	35	L509085-08	WG529151
Indeno(1,2,3-cd)pyrene	mg/kg	0.258	0.258	77.5	28-125	0.194	32	L509085-08	WG529151
Isophorone	mg/kg	0.292	0.262	87.8	51-115	10.9	22	L509085-08	WG529151
n-Nitrosodi-n-propylamine	mg/kg	0.329	0.284	98.8	54-110	14.6	23	L509085-08	WG529151

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L509137

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Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Nitrosodimethylamine	mg/kg	0.313	0.232	94.0	20-116	30.0	38	L509085-08	WG529151
n-Nitrosodiphenylamine	mg/kg	0.283	0.271	85.0	54-138	4.54	26	L509085-08	WG529151
Naphthalene	mg/kg	0.302	0.252	90.6	41-100	17.9	26	L509085-08	WG529151
Nitrobenzene	mg/kg	0.281	0.245	84.4	40-102	13.8	24	L509085-08	WG529151
Pentachlorophenol	mg/kg	0.166	0.204	49.8	10-146	20.8	35	L509085-08	WG529151
Phenanthrene	mg/kg	0.308	0.299	92.4	37-125	2.85	27	L509085-08	WG529151
Phenol	mg/kg	0.311	0.259	93.5	52-111	18.2	22	L509085-08	WG529151
Pyrene	mg/kg	0.308	0.293	92.5	22-151	4.80	38	L509085-08	WG529151
2,4,6-Tribromophenol				129.5	25-137				WG529151
2-Fluorobiphenyl				102.8	30-120				WG529151
2-Fluorophenol				98.60	26-130				WG529151
Nitrobenzene-d5				94.12	18-119				WG529151
Phenol-d5				106.4	37-141				WG529151
p-Terphenyl-d14				114.5	23-143				WG529151
Silver	mg/kg	48.8	46.3	97.6	75-125	5.26	20	L509225-38	WG529308
Arsenic	mg/kg	52.0	50.6	93.8	75-125	2.73	20	L508983-101	WG529265
Barium	mg/kg	180.	192.	140.*	75-125	6.45	20	L508983-101	WG529265
Cadmium	mg/kg	45.8	44.6	91.6	75-125	2.65	20	L508983-101	WG529265
Chromium	mg/kg	61.1	59.2	94.2	75-125	3.16	20	L508983-101	WG529265
Lead	mg/kg	57.0	55.8	96.8	75-125	2.13	20	L508983-101	WG529265
Selenium	mg/kg	44.2	42.6	88.4	75-125	3.69	20	L508983-101	WG529265
Silver	mg/kg	45.8	43.6	91.6	75-125	4.92	20	L508983-101	WG529265
Mercury	mg/kg	0.267	0.230	105.	70-130	14.9	20	L509202-12	WG529226
PCB 1016	mg/kg	0.113	0.118	67.4*	70-130	4.68	25	L509092-02	WG529162
PCB 1260	mg/kg	0.121	0.129	72.2	10-139	6.64	39	L509092-02	WG529162

Batch number /Run number / Sample number cross reference

WG529118: R1634289: L509137-01 02 03 04 05 06 07 08 09 10
WG529231: R1634470: L509137-17 18
WG529143: R1635329 R1635330: L509137-01 03 04 05 06 07 08 09 10 11 12 13 14 02
WG529151: R1635710: L509137-01 02 03 04 05 06 07 08 09 10 11 12 13
WG529271: R1635769: L509137-17 18
WG529162: R1635891: L509137-01 02
WG529119: R1636010: L509137-11 13 16
WG529096: R1636089: L509137-12 13 14 15 16
WG529095: R1636091: L509137-01 02 03 04 05 06 07 08 09 10 11
WG529152: R1636231: L509137-14 15 16 17 18
WG529454: R1636529: L509137-11 12 13 14 15 16
WG529308: R1637029 R1637030: L509137-02 03 04 05 06 07 08 09 10 11 12 13 14 01
WG529265: R1637150: L509137-15 16 17 18
WG529226: R1637451: L509137-17 18
WG529433: R1638898: L509137-01 02 03 04 05
WG529434: R1638899: L509137-06 07 08 09 10 11 12 13 14 15
WG529435: R1638900: L509137-16 17 18

* * Calculations are performed prior to rounding of reported values.
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Quality Assurance Report
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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.

Company Name/Address

S & ME (SMERLNC)
3201 Spring Forest Road
Raleigh, North Carolina 27604

Alternate Billing: SAME

Report to: Chris Hamblet
E-mail to: Chamblet@Smeinc.com

Chain of Custody
Page 1 of 2

Prepared by: **A127**

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859

Project Description: 5.5-Acre Erwin Square/Former Burlington Industries Site
City/State: Durham, NC

PHONE: 919-872-2660
FAX: 919-876-3958
Client Project No. 1054-10-288A
Lab Project #

Collected by: B. Bryant
Site/Facility ID#
P.O.#

Collected by(signature): [signature]
Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%
Date Results Needed: 3 DAY TAT
Email?___No___Yes
FAX?___No___Yes
Packed on Ice N___ Y X

CoCode (lab use only): SMERLNC
Template/Prelogin
Shipped Via: Raleigh Service Center HDC

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	VOCs + 10 TICs x 8260B	SVOCs + 10 TICs x 8270C	8 RCRA Metals x 6010/7470	PCBs x 8082	VOCs + 10 TICs x 6200B	SVOCs + 10 TICs x 625			Remarks/contaminant	Sample # (lab only)	N
SB-1-1-3	GRAB			3/31/11	1040	7	X	X	X	X						L509137- ~~03~~	-01
SB-1-3-5					1045	7	X	X	X	X						~~04~~	02
SB-2-1-3					1410	6	X	X	X							~~10~~	03
SB-2-3-5					1415	6	X	X	X							~~11~~	04
SB-3-1-3					1115	6	X	X	X							~~12~~	05
SB-3-3-5					1120	6	X	X	X							~~13~~	06
SB-4-1-3					1140	6	X	X	X							~~14~~	07
SB-4-3-5					1145	6	X	X	X							~~15~~	08
SB-5-1-3					1200	6	X	X	X							~~16~~	09

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks: 3 DAY Turn AROUND Time * Rush *

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__Other SWA	Condition (lab use only)
[signature]	3/31/11	1925	[signature]		OK
Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Temp: 3.1°C / Bottles Received: 96 + 3 TB	
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-1-11 / Time: 1030	pH Checked: / NCF:

Company Name/Address

S & ME (SMERLNC)
3201 Spring Forest Road
Raleigh, North Carolina 27604

Alternate Billing: SAME

Report to: Chris Hamblet
E-mail to: chamblet@smeinc.com

Chain of Custody
Page 2 of 2

Prepared by:
ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859

Project Description: 5.5-Acre Erwin Square/Former Burlington Industries Site
City/State: Durham, NC

PHONE: 919-872-2660
FAX: 919-876-3958
Client Project No. 1054-10-288A
Lab Project #

Collected by: B. Bryant
Site/Facility ID#
P.O.#

Collected by(signature): [signature]
Packed on Ice N___ Y X

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed: 3 DAY TAT
Email?___No X Yes
FAX? X No___Yes

CoCode (lab use only): SMERLNC
Template/Prelogin
Shipped Via: Raleigh Service Center HDC

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	VOCs + 10 TICs x 8260B	SVOCs + 10 TICs x 8270C	8 RCRA Metals x 6010/7470	PCBs x 8082	VOCs + 10 TICs x 6200B	SVOCs + 10 TICs x 625			Remarks/contaminant	Sample # (lab only)	
SB-5-3-5	GRAB			3/31/11	1205	6	X	X	X							L509137-01	10
SB-6-1-3	↓			↓	1310	6	X	X	X							~~02~~	11
SB-6-3-5					1315	6	X	X	X							~~03~~	12
SB-7-1-3					1340	6	X	X	X							~~04~~	13
SB-7-3-5					1345	6	X	X	X							~~05~~	14
SB-8-1-3					1330	7	X	X	X	X	X	X	X			17	
SB-8-3-5					1335	7	X	X	X	X	X	X	X			18	
SB-9-1-3					1355	6	X	X	X							~~06~~	15
SB-9-3-5	↓			↓	1400	6	X	X	X							~~07~~	16

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks: * 3 DAY TURNAROUND TIME * RUSH *

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__Other CWA	Condition (lab use only)
[signature]	3/31/11	1925	[signature]		OK
Relinquisher by:(Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1°C / Bottles Received: 96+3TB	
Relinquisher by:(Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 4-1-11 / Time: 1030	pH Checked: / NCF:

Andy Vann

From: Haynes D. Campbell
Sent: Friday, April 01, 2011 9:23 AM
To: Tom Mellette
Cc: Login
Subject: Rush From S&ME 2 Samples Missing

Attachments: Picture (Metafile)

Tom,

The RUSH samples coming in this AM from Chris at S&ME from Erwin Square project will have 2 soil samples (SB-8 1-3 and SB-8 3-5) NOT in the coolers shipped. They will be on the COC. Those 2 and a couple of water samples will be shipped today.

Thanks,

Haynes D. Campbell
ESC Lab Sciences
Raleigh Sales/Service Representative
4915 Waters Edge Drive, Suite 120
Raleigh, NC 27606
Cell: (919) 210-5148
hcampbell@esclabsciences.com
www.esclabsciences.com
Lab: (615) 758-5858

ESC
L·A·B S·C·I·E·N·C·E·S

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

Report Summary

Wednesday April 06, 2011

Report Number: L509314
Samples Received: 04/02/11
Client Project: 1054-10-288A

Description: 5.5 Acre Erwin Square/Former Burlington Industries Site

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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-01

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-01

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 13:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	BDL	1.0	ug/l	6020	04/05/11	1
Mercury	BDL	0.20	ug/l	7470A	04/06/11	1
Barium	58.	5.0	ug/l	6010B	04/05/11	1
Cadmium	BDL	5.0	ug/l	6010B	04/05/11	1
Chromium	BDL	10.	ug/l	6010B	04/05/11	1
Lead	BDL	5.0	ug/l	6010B	04/05/11	1
Selenium	BDL	20.	ug/l	6010B	04/05/11	1
Silver	BDL	10.	ug/l	6010B	04/05/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/04/11	1
Acrolein	BDL	50.	ug/l	6200B	04/04/11	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/04/11	1
Benzene	BDL	1.0	ug/l	6200B	04/04/11	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/04/11	1
Bromoform	BDL	1.0	ug/l	6200B	04/04/11	1
Bromomethane	BDL	5.0	ug/l	6200B	04/04/11	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/04/11	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/04/11	1
Chloroethane	BDL	5.0	ug/l	6200B	04/04/11	1
Chloroform	BDL	5.0	ug/l	6200B	04/04/11	1
Chloromethane	BDL	2.5	ug/l	6200B	04/04/11	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/04/11	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/04/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/04/11	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/04/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1

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

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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-01

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-01

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 13:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/04/11	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/04/11	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/04/11	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/04/11	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/04/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/04/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/04/11	1
Naphthalene	BDL	5.0	ug/l	6200B	04/04/11	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Styrene	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
Toluene	BDL	5.0	ug/l	6200B	04/04/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/04/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	6200B	04/04/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/04/11	1
o-Xylene	BDL	1.0	ug/l	6200B	04/04/11	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/04/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	6200B	04/04/11	1
Dibromofluoromethane	97.8		% Rec.	6200B	04/04/11	1
a,a,a-Trifluorotoluene	104.		% Rec.	6200B	04/04/11	1
4-Bromofluorobenzene	105.		% Rec.	6200B	04/04/11	1
625 Base/Neutrals w/ TIC						
Acenaphthene	BDL	1.0	ug/l	625	04/06/11	1
Acenaphthylene	BDL	1.0	ug/l	625	04/06/11	1
Anthracene	BDL	1.0	ug/l	625	04/06/11	1
Benzidine	BDL	10.	ug/l	625	04/06/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	625	04/06/11	1

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

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

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-01

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-01

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 13:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(k)fluoranthene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	625	04/06/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	04/06/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	625	04/06/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	625	04/06/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	04/06/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	625	04/06/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	04/06/11	1
Chrysene	BDL	1.0	ug/l	625	04/06/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	625	04/06/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	04/06/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	625	04/06/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	04/06/11	1
Fluoranthene	BDL	1.0	ug/l	625	04/06/11	1
Fluorene	BDL	1.0	ug/l	625	04/06/11	1
Hexachlorobenzene	BDL	1.0	ug/l	625	04/06/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	04/06/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	04/06/11	1
Hexachloroethane	BDL	10.	ug/l	625	04/06/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	625	04/06/11	1
Isophorone	BDL	10.	ug/l	625	04/06/11	1
Naphthalene	BDL	1.0	ug/l	625	04/06/11	1
Nitrobenzene	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	04/06/11	1
Phenanthrene	BDL	1.0	ug/l	625	04/06/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	625	04/06/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Diethyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Dimethyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Pyrene	BDL	1.0	ug/l	625	04/06/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	04/06/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	04/06/11	1
2-Chlorophenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	625	04/06/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	04/06/11	1
2-Nitrophenol	BDL	10.	ug/l	625	04/06/11	1

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

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Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-01

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-01

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 13:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4-Nitrophenol	BDL	10.	ug/l	625	04/06/11	1
Pentachlorophenol	BDL	10.	ug/l	625	04/06/11	1
Phenol	BDL	10.	ug/l	625	04/06/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	04/06/11	1
Surrogate Recovery						
Nitrobenzene-d5	37.4		% Rec.	625	04/06/11	1
2-Fluorobiphenyl	49.6		% Rec.	625	04/06/11	1
p-Terphenyl-d14	52.7		% Rec.	625	04/06/11	1
Phenol-d5	21.3		% Rec.	625	04/06/11	1
2-Fluorophenol	29.9		% Rec.	625	04/06/11	1
2,4,6-Tribromophenol	84.6		% Rec.	625	04/06/11	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: 04/06/11 15:21 Printed: 04/06/11 16:52

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-02

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-02

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	BDL	1.0	ug/l	6020	04/05/11	1
Mercury	BDL	0.20	ug/l	7470A	04/06/11	1
Barium	53.	5.0	ug/l	6010B	04/05/11	1
Cadmium	BDL	5.0	ug/l	6010B	04/05/11	1
Chromium	BDL	10.	ug/l	6010B	04/05/11	1
Lead	BDL	5.0	ug/l	6010B	04/05/11	1
Selenium	BDL	20.	ug/l	6010B	04/05/11	1
Silver	BDL	10.	ug/l	6010B	04/05/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/04/11	1
Acrolein	BDL	50.	ug/l	6200B	04/04/11	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/04/11	1
Benzene	BDL	1.0	ug/l	6200B	04/04/11	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/04/11	1
Bromoform	BDL	1.0	ug/l	6200B	04/04/11	1
Bromomethane	BDL	5.0	ug/l	6200B	04/04/11	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/04/11	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/04/11	1
Chloroethane	BDL	5.0	ug/l	6200B	04/04/11	1
Chloroform	BDL	5.0	ug/l	6200B	04/04/11	1
Chloromethane	BDL	2.5	ug/l	6200B	04/04/11	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/04/11	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/04/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/04/11	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/04/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1

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

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-02

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-02

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/04/11	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/04/11	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/04/11	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/04/11	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/04/11	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/04/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/04/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/04/11	1
Naphthalene	BDL	5.0	ug/l	6200B	04/04/11	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Styrene	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
Toluene	BDL	5.0	ug/l	6200B	04/04/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/04/11	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/04/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/04/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	6200B	04/04/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/04/11	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/04/11	1
o-Xylene	BDL	1.0	ug/l	6200B	04/04/11	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/04/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	6200B	04/04/11	1
Dibromofluoromethane	98.1		% Rec.	6200B	04/04/11	1
a,a,a-Trifluorotoluene	105.		% Rec.	6200B	04/04/11	1
4-Bromofluorobenzene	101.		% Rec.	6200B	04/04/11	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.50	ug/l	8082	04/05/11	1
PCB 1221	BDL	0.50	ug/l	8082	04/05/11	1
PCB 1232	BDL	0.50	ug/l	8082	04/05/11	1
PCB 1242	BDL	0.50	ug/l	8082	04/05/11	1
PCB 1248	BDL	0.50	ug/l	8082	04/05/11	1
PCB 1254	BDL	0.50	ug/l	8082	04/05/11	1

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

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-02

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-02

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
PCB 1260	BDL	0.50	ug/l	8082	04/05/11	1
PCBs Surrogates						
Decachlorobiphenyl	27.9		% Rec.	8082	04/05/11	1
Tetrachloro-m-xylene	39.5		% Rec.	8082	04/05/11	1
625 Base/Neutrals w/ TIC						
Acenaphthene	BDL	1.0	ug/l	625	04/06/11	1
Acenaphthylene	BDL	1.0	ug/l	625	04/06/11	1
Anthracene	BDL	1.0	ug/l	625	04/06/11	1
Benzidine	BDL	10.	ug/l	625	04/06/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	625	04/06/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	625	04/06/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	04/06/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	625	04/06/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	625	04/06/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	04/06/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	625	04/06/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	04/06/11	1
Chrysene	BDL	1.0	ug/l	625	04/06/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	625	04/06/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	04/06/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	625	04/06/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	04/06/11	1
Fluoranthene	BDL	1.0	ug/l	625	04/06/11	1
Fluorene	BDL	1.0	ug/l	625	04/06/11	1
Hexachlorobenzene	BDL	1.0	ug/l	625	04/06/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	04/06/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	04/06/11	1
Hexachloroethane	BDL	10.	ug/l	625	04/06/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	625	04/06/11	1
Isophorone	BDL	10.	ug/l	625	04/06/11	1
Naphthalene	BDL	1.0	ug/l	625	04/06/11	1
Nitrobenzene	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	04/06/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	04/06/11	1
Phenanthrene	BDL	1.0	ug/l	625	04/06/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	625	04/06/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Diethyl phthalate	BDL	1.0	ug/l	625	04/06/11	1

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

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REPORT OF ANALYSIS

Chris Hamblet
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

April 06,2011

ESC Sample # : L509314-02

Date Received : April 02, 2011
Description : 5.5 Acre Erwin Square/Former Burlington Industries Site
Site ID :

Sample ID : SW-02

Project # : 1054-10-288A

Collected By : Chris Hamblet
Collection Date : 04/01/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dimethyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	625	04/06/11	1
Pyrene	BDL	1.0	ug/l	625	04/06/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	04/06/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	04/06/11	1
2-Chlorophenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	625	04/06/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	04/06/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	04/06/11	1
2-Nitrophenol	BDL	10.	ug/l	625	04/06/11	1
4-Nitrophenol	BDL	10.	ug/l	625	04/06/11	1
Pentachlorophenol	BDL	10.	ug/l	625	04/06/11	1
Phenol	BDL	10.	ug/l	625	04/06/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	04/06/11	1
Surrogate Recovery						
Nitrobenzene-d5	38.1		% Rec.	625	04/06/11	1
2-Fluorobiphenyl	50.8		% Rec.	625	04/06/11	1
p-Terphenyl-d14	59.3		% Rec.	625	04/06/11	1
Phenol-d5	16.9		% Rec.	625	04/06/11	1
2-Fluorophenol	23.1		% Rec.	625	04/06/11	1
2,4,6-Tribromophenol	69.5		% Rec.	625	04/06/11	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: 04/06/11 15:21 Printed: 04/06/11 16:52

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L509314-01	WG529396	SAMP	Benzidine	R1637489	J3
	WG529396	SAMP	2,4-Dichlorophenol	R1637489	J3
	WG529396	SAMP	4,6-Dinitro-2-methylphenol	R1637489	J3
	WG529396	SAMP	2-Nitrophenol	R1637489	J3
	WG529396	SAMP	4-Nitrophenol	R1637489	J3
	WG529396	SAMP	2,4,6-Trichlorophenol	R1637489	J3J4
L509314-02	WG529396	SAMP	Benzidine	R1637489	J3
	WG529396	SAMP	2,4-Dichlorophenol	R1637489	J3
	WG529396	SAMP	4,6-Dinitro-2-methylphenol	R1637489	J3
	WG529396	SAMP	2-Nitrophenol	R1637489	J3
	WG529396	SAMP	4-Nitrophenol	R1637489	J3
	WG529396	SAMP	2,4,6-Trichlorophenol	R1637489	J3J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
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.

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.

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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509314

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,1,1-Trichloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,1,2-Trichloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,1-Dichloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,1-Dichloroethene	< .001	mg/l			WG529239	04/04/11 07:53
1,1-Dichloropropene	< .001	mg/l			WG529239	04/04/11 07:53
1,2,3-Trichlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,2,3-Trichloropropane	< .001	mg/l			WG529239	04/04/11 07:53
1,2,4-Trichlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,2,4-Trimethylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG529239	04/04/11 07:53
1,2-Dibromoethane	< .001	mg/l			WG529239	04/04/11 07:53
1,2-Dichlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,2-Dichloroethane	< .001	mg/l			WG529239	04/04/11 07:53
1,2-Dichloropropane	< .001	mg/l			WG529239	04/04/11 07:53
1,3,5-Trimethylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,3-Dichlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
1,3-Dichloropropane	< .001	mg/l			WG529239	04/04/11 07:53
1,4-Dichlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
2,2-Dichloropropane	< .001	mg/l			WG529239	04/04/11 07:53
2-Butanone (MEK)	< .01	mg/l			WG529239	04/04/11 07:53
2-Chlorotoluene	< .001	mg/l			WG529239	04/04/11 07:53
4-Chlorotoluene	< .001	mg/l			WG529239	04/04/11 07:53
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG529239	04/04/11 07:53
Acetone	< .05	mg/l			WG529239	04/04/11 07:53
Acrolein	< .025	mg/l			WG529239	04/04/11 07:53
Acrylonitrile	< .01	mg/l			WG529239	04/04/11 07:53
Benzene	< .001	mg/l			WG529239	04/04/11 07:53
Bromobenzene	< .001	mg/l			WG529239	04/04/11 07:53
Bromodichloromethane	< .001	mg/l			WG529239	04/04/11 07:53
Bromoform	< .001	mg/l			WG529239	04/04/11 07:53
Bromomethane	< .005	mg/l			WG529239	04/04/11 07:53
Carbon tetrachloride	< .001	mg/l			WG529239	04/04/11 07:53
Chlorobenzene	< .001	mg/l			WG529239	04/04/11 07:53
Chlorodibromomethane	< .001	mg/l			WG529239	04/04/11 07:53
Chloroethane	< .005	mg/l			WG529239	04/04/11 07:53
Chloroform	< .005	mg/l			WG529239	04/04/11 07:53
Chloromethane	< .0025	mg/l			WG529239	04/04/11 07:53
cis-1,2-Dichloroethene	< .001	mg/l			WG529239	04/04/11 07:53
Di-isopropyl ether	< .001	mg/l			WG529239	04/04/11 07:53
Dibromomethane	< .001	mg/l			WG529239	04/04/11 07:53
Dichlorodifluoromethane	< .005	mg/l			WG529239	04/04/11 07:53
Ethylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
Hexachloro-1,3-butadiene	< .001	mg/l			WG529239	04/04/11 07:53
Isopropylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
m&p-Xylenes	< .002	mg/l			WG529239	04/04/11 07:53
Methyl tert-butyl ether	< .001	mg/l			WG529239	04/04/11 07:53
Methylene Chloride	< .005	mg/l			WG529239	04/04/11 07:53
n-Butylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
n-Propylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
Naphthalene	< .005	mg/l			WG529239	04/04/11 07:53
o-Xylene	< .001	mg/l			WG529239	04/04/11 07:53
p-Isopropyltoluene	< .001	mg/l			WG529239	04/04/11 07:53
sec-Butylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
Styrene	< .001	mg/l			WG529239	04/04/11 07:53
tert-Butylbenzene	< .001	mg/l			WG529239	04/04/11 07:53
Tetrachloroethene	< .001	mg/l			WG529239	04/04/11 07:53
Toluene	< .005	mg/l			WG529239	04/04/11 07:53

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S&ME Inc. - Raleigh NC
Chris Hamblet
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509314

April 06, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
trans-1,2-Dichloroethene	< .001	mg/l			WG529239	04/04/11 07:53
Trichloroethene	< .001	mg/l			WG529239	04/04/11 07:53
Trichlorofluoromethane	< .005	mg/l			WG529239	04/04/11 07:53
Vinyl chloride	< .001	mg/l			WG529239	04/04/11 07:53
4-Bromofluorobenzene		% Rec.	99.53	75-128	WG529239	04/04/11 07:53
Dibromofluoromethane		% Rec.	95.22	79-125	WG529239	04/04/11 07:53
Toluene-d8		% Rec.	104.9	87-114	WG529239	04/04/11 07:53
a,a,a-Trifluorotoluene		% Rec.	105.8	84-114	WG529239	04/04/11 07:53
1,2,4-Trichlorobenzene	< .01	mg/l			WG529396	04/05/11 14:19
2,4,6-Trichlorophenol	< .01	mg/l			WG529396	04/05/11 14:19
2,4-Dichlorophenol	< .01	mg/l			WG529396	04/05/11 14:19
2,4-Dimethylphenol	< .01	mg/l			WG529396	04/05/11 14:19
2,4-Dinitrophenol	< .01	mg/l			WG529396	04/05/11 14:19
2,4-Dinitrotoluene	< .01	mg/l			WG529396	04/05/11 14:19
2,6-Dinitrotoluene	< .01	mg/l			WG529396	04/05/11 14:19
2-Chloronaphthalene	< .001	mg/l			WG529396	04/05/11 14:19
2-Chlorophenol	< .01	mg/l			WG529396	04/05/11 14:19
2-Nitrophenol	< .01	mg/l			WG529396	04/05/11 14:19
3,3-Dichlorobenzidine	< .01	mg/l			WG529396	04/05/11 14:19
4,6-Dinitro-2-methylphenol	< .01	mg/l			WG529396	04/05/11 14:19
4-Bromophenyl-phenylether	< .01	mg/l			WG529396	04/05/11 14:19
4-Chloro-3-methylphenol	< .01	mg/l			WG529396	04/05/11 14:19
4-Chlorophenyl-phenylether	< .01	mg/l			WG529396	04/05/11 14:19
4-Nitrophenol	< .01	mg/l			WG529396	04/05/11 14:19
Acenaphthene	< .001	mg/l			WG529396	04/05/11 14:19
Acenaphthylene	< .001	mg/l			WG529396	04/05/11 14:19
Anthracene	< .001	mg/l			WG529396	04/05/11 14:19
Benzidine	< .01	mg/l			WG529396	04/05/11 14:19
Benzo(a)anthracene	< .001	mg/l			WG529396	04/05/11 14:19
Benzo(a)pyrene	< .001	mg/l			WG529396	04/05/11 14:19
Benzo(b)fluoranthene	< .001	mg/l			WG529396	04/05/11 14:19
Benzo(g,h,i)perylene	< .001	mg/l			WG529396	04/05/11 14:19
Benzo(k)fluoranthene	< .001	mg/l			WG529396	04/05/11 14:19
Benzylbutyl phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Bis(2-chlorethoxy)methane	< .01	mg/l			WG529396	04/05/11 14:19
Bis(2-chloroethyl)ether	< .01	mg/l			WG529396	04/05/11 14:19
Bis(2-chloroisopropyl)ether	< .01	mg/l			WG529396	04/05/11 14:19
Bis(2-ethylhexyl)phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Chrysene	< .001	mg/l			WG529396	04/05/11 14:19
Di-n-butyl phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Di-n-octyl phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Dibenz(a,h)anthracene	< .001	mg/l			WG529396	04/05/11 14:19
Diethyl phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Dimethyl phthalate	< .001	mg/l			WG529396	04/05/11 14:19
Fluoranthene	< .001	mg/l			WG529396	04/05/11 14:19
Fluorene	< .001	mg/l			WG529396	04/05/11 14:19
Hexachloro-1,3-butadiene	< .01	mg/l			WG529396	04/05/11 14:19
Hexachlorobenzene	< .001	mg/l			WG529396	04/05/11 14:19
Hexachlorocyclopentadiene	< .01	mg/l			WG529396	04/05/11 14:19
Hexachloroethane	< .01	mg/l			WG529396	04/05/11 14:19
Indeno(1,2,3-cd)pyrene	< .001	mg/l			WG529396	04/05/11 14:19
Isophorone	< .01	mg/l			WG529396	04/05/11 14:19
n-Nitrosodi-n-propylamine	< .01	mg/l			WG529396	04/05/11 14:19
n-Nitrosodimethylamine	< .01	mg/l			WG529396	04/05/11 14:19
n-Nitrosodiphenylamine	< .01	mg/l			WG529396	04/05/11 14:19
Naphthalene	< .001	mg/l			WG529396	04/05/11 14:19
Nitrobenzene	< .01	mg/l			WG529396	04/05/11 14:19

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Level II

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April 06, 2011

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Pentachlorophenol	< .001	mg/l			WG529396	04/05/11 14:19
Phenanthrene	< .001	mg/l			WG529396	04/05/11 14:19
Phenol	< .01	mg/l			WG529396	04/05/11 14:19
Pyrene	< .001	mg/l			WG529396	04/05/11 14:19
2,4,6-Tribromophenol		mg/l	64.76	10-148	WG529396	04/05/11 14:19
2-Fluorobiphenyl		mg/l	66.33	26-122	WG529396	04/05/11 14:19
2-Fluorophenol		mg/l	35.62	10-87	WG529396	04/05/11 14:19
Nitrobenzene-d5		mg/l	60.58	12-120	WG529396	04/05/11 14:19
Phenol-d5		mg/l	26.40	10-67	WG529396	04/05/11 14:19
p-Terphenyl-d14		mg/l	96.62	34-149	WG529396	04/05/11 14:19
PCB 1016	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1221	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1232	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1242	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1248	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1254	< .0005	mg/l			WG529281	04/05/11 12:45
PCB 1260	< .0005	mg/l			WG529281	04/05/11 12:45
Decachlorobiphenyl		% Rec.	38.75	10-122.6	WG529281	04/05/11 12:45
Tetrachloro-m-xylene		% Rec.	50.93	15.3-114.2	WG529281	04/05/11 12:45
Barium	< .005	mg/l			WG529474	04/05/11 18:40
Cadmium	< .005	mg/l			WG529474	04/05/11 18:40
Chromium	< .01	mg/l			WG529474	04/05/11 18:40
Lead	< .005	mg/l			WG529474	04/05/11 18:40
Selenium	< .02	mg/l			WG529474	04/05/11 18:40
Silver	< .01	mg/l			WG529474	04/05/11 18:40
Arsenic	< .001	mg/l			WG529346	04/05/11 21:43
Mercury	< .0002	mg/l			WG529224	04/06/11 11:01

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Barium	mg/l	0.590	0.593	0.169	20	L508993-03	WG529474
Cadmium	mg/l	0	0.00123	NA	20	L508993-03	WG529474
Chromium	mg/l	0	0.00100	NA	20	L508993-03	WG529474
Lead	mg/l	0	0	0	20	L508993-03	WG529474
Selenium	mg/l	0	0	0	20	L508993-03	WG529474
Silver	mg/l	0	0.00360	NA	20	L508993-03	WG529474
Arsenic	mg/l	0	0	0	20	L509314-02	WG529346
Mercury	mg/l	0	0	0	20	L509151-01	WG529224

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0267	107.	75-134	WG529239
1,1,1-Trichloroethane	mg/l	.025	0.0273	109.	67-137	WG529239
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0284	114.	72-128	WG529239
1,1,2-Trichloroethane	mg/l	.025	0.0269	108.	79-123	WG529239

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Quality Assurance Report
Level II

L509314

April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1-Dichloroethane	mg/l	.025	0.0261	104.	67-133	WG529239
1,1-Dichloroethene	mg/l	.025	0.0234	93.7	60-130	WG529239
1,1-Dichloropropene	mg/l	.025	0.0251	100.	68-132	WG529239
1,2,3-Trichlorobenzene	mg/l	.025	0.0274	110.	63-138	WG529239
1,2,3-Trichloropropane	mg/l	.025	0.0252	101.	68-130	WG529239
1,2,4-Trichlorobenzene	mg/l	.025	0.0292	117.	65-137	WG529239
1,2,4-Trimethylbenzene	mg/l	.025	0.0283	113.	72-135	WG529239
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0244	97.7	55-134	WG529239
1,2-Dibromoethane	mg/l	.025	0.0246	98.5	75-126	WG529239
1,2-Dichlorobenzene	mg/l	.025	0.0273	109.	75-122	WG529239
1,2-Dichloroethane	mg/l	.025	0.0213	85.2	63-137	WG529239
1,2-Dichloropropane	mg/l	.025	0.0283	113.	74-122	WG529239
1,3,5-Trimethylbenzene	mg/l	.025	0.0285	114.	73-134	WG529239
1,3-Dichlorobenzene	mg/l	.025	0.0268	107.	73-131	WG529239
1,3-Dichloropropane	mg/l	.025	0.0257	103.	77-119	WG529239
1,4-Dichlorobenzene	mg/l	.025	0.0268	107.	70-121	WG529239
2,2-Dichloropropane	mg/l	.025	0.0280	112.	46-151	WG529239
2-Butanone (MEK)	mg/l	.125	0.136	108.	53-132	WG529239
2-Chlorotoluene	mg/l	.025	0.0276	110.	74-128	WG529239
4-Chlorotoluene	mg/l	.025	0.0275	110.	74-130	WG529239
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.143	115.	60-142	WG529239
Acetone	mg/l	.125	0.126	101.	48-134	WG529239
Acrolein	mg/l	.125	0.135	108.	6-182	WG529239
Acrylonitrile	mg/l	.125	0.135	108.	60-140	WG529239
Benzene	mg/l	.025	0.0254	102.	67-126	WG529239
Bromobenzene	mg/l	.025	0.0261	104.	76-123	WG529239
Bromodichloromethane	mg/l	.025	0.0263	105.	68-133	WG529239
Bromoform	mg/l	.025	0.0243	97.3	60-139	WG529239
Bromomethane	mg/l	.025	0.0197	78.9	45-175	WG529239
Carbon tetrachloride	mg/l	.025	0.0253	101.	64-141	WG529239
Chlorobenzene	mg/l	.025	0.0262	105.	77-125	WG529239
Chlorodibromomethane	mg/l	.025	0.0256	102.	73-138	WG529239
Chloroethane	mg/l	.025	0.0269	108.	49-155	WG529239
Chloroform	mg/l	.025	0.0258	103.	66-126	WG529239
Chloromethane	mg/l	.025	0.0171	68.3	45-152	WG529239
cis-1,2-Dichloroethene	mg/l	.025	0.0260	104.	72-128	WG529239
Di-isopropyl ether	mg/l	.025	0.0286	114.	63-139	WG529239
Dibromomethane	mg/l	.025	0.0241	96.5	73-125	WG529239
Dichlorodifluoromethane	mg/l	.025	0.0230	91.9	39-189	WG529239
Ethylbenzene	mg/l	.025	0.0286	115.	76-129	WG529239
Hexachloro-1,3-butadiene	mg/l	.025	0.0314	126.	67-135	WG529239
Isopropylbenzene	mg/l	.025	0.0300	120.	73-132	WG529239
m&p-Xylenes	mg/l	.05	0.0564	113.	74-128	WG529239
Methyl tert-butyl ether	mg/l	.025	0.0266	106.	51-142	WG529239
Methylene Chloride	mg/l	.025	0.0228	91.1	64-125	WG529239
n-Butylbenzene	mg/l	.025	0.0318	127.	63-142	WG529239
n-Propylbenzene	mg/l	.025	0.0290	116.	71-132	WG529239
Naphthalene	mg/l	.025	0.0266	107.	56-145	WG529239
o-Xylene	mg/l	.025	0.0292	117.	78-128	WG529239
p-Isopropyltoluene	mg/l	.025	0.0303	121.	68-138	WG529239
sec-Butylbenzene	mg/l	.025	0.0312	125.	70-135	WG529239
Styrene	mg/l	.025	0.0283	113.	78-130	WG529239
tert-Butylbenzene	mg/l	.025	0.0304	122.	72-134	WG529239
Tetrachloroethene	mg/l	.025	0.0266	106.	67-135	WG529239
Toluene	mg/l	.025	0.0265	106.	72-122	WG529239
trans-1,2-Dichloroethene	mg/l	.025	0.0219	87.8	67-129	WG529239
Trichloroethene	mg/l	.025	0.0259	104.	74-126	WG529239
Trichlorofluoromethane	mg/l	.025	0.0260	104.	54-156	WG529239
Vinyl chloride	mg/l	.025	0.0245	97.9	55-153	WG529239

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April 06, 2011

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
4-Bromofluorobenzene				96.95	75-128	
Dibromofluoromethane				96.20	79-125	
Toluene-d8				103.9	87-114	
a,a,a-Trifluorotoluene				103.5	84-114	
PCB 1016	mg/l	.0005	0.000300	60.0	49-105	WG529281
PCB 1260	mg/l	.0005	0.000335	67.0	46-126	WG529281
Decachlorobiphenyl				58.03	10-122.6	WG529281
Tetrachloro-m-xylene				57.79	15.3-114.2	WG529281
Barium	mg/l	1.13	1.09	96.5	85-115	WG529474
Cadmium	mg/l	1.13	1.12	99.1	85-115	WG529474
Chromium	mg/l	1.13	1.17	104.	85-115	WG529474
Lead	mg/l	1.13	1.17	104.	85-115	WG529474
Selenium	mg/l	1.13	1.05	92.9	85-115	WG529474
Silver	mg/l	1.13	1.10	97.3	85-115	WG529474
Arsenic	mg/l	.0567	0.0510	89.9	85-115	WG529346
1,2,4-Trichlorobenzene	mg/l	.01	0.00620	62.0	26-103	WG529396
2,4,6-Trichlorophenol	mg/l	.01	0.00747	74.7	49-118	WG529396
2,4-Dichlorophenol	mg/l	.01	0.00757	75.7	46-115	WG529396
2,4-Dimethylphenol	mg/l	.01	0.00695	69.5	40-124	WG529396
2,4-Dinitrophenol	mg/l	.01	0.00544	54.4	10-125	WG529396
2,4-Dinitrotoluene	mg/l	.01	0.00800	80.0	56-128	WG529396
2,6-Dinitrotoluene	mg/l	.01	0.00752	75.2	56-121	WG529396
2-Chloronaphthalene	mg/l	.01	0.00737	73.7	44-110	WG529396
2-Chlorophenol	mg/l	.01	0.00630	63.0	38-114	WG529396
2-Nitrophenol	mg/l	.01	0.00750	75.0	35-118	WG529396
3,3-Dichlorobenzidine	mg/l	.01	0.00731	73.1	46-145	WG529396
4,6-Dinitro-2-methylphenol	mg/l	.01	0.00567	56.7	24-119	WG529396
4-Bromophenyl-phenylether	mg/l	.01	0.00863	86.3	45-105	WG529396
4-Chloro-3-methylphenol	mg/l	.01	0.00728	72.8	47-116	WG529396
4-Chlorophenyl-phenylether	mg/l	.01	0.00829	82.9	49-116	WG529396
4-Nitrophenol	mg/l	.01	0.00203	20.3	10-66	WG529396
Acenaphthene	mg/l	.01	0.00776	77.6	48-110	WG529396
Acenaphthylene	mg/l	.01	0.00806	80.6	48-113	WG529396
Anthracene	mg/l	.01	0.00824	82.4	55-127	WG529396
Benzidine	mg/l	.01	0.000424	4.24	0-46	WG529396
Benzo(a)anthracene	mg/l	.01	0.00849	84.9	57-115	WG529396
Benzo(a)pyrene	mg/l	.01	0.00856	85.6	63-125	WG529396
Benzo(b)fluoranthene	mg/l	.01	0.00839	83.9	50-123	WG529396
Benzo(g,h,i)perylene	mg/l	.01	0.00904	90.4	39-143	WG529396
Benzo(k)fluoranthene	mg/l	.01	0.00820	82.0	45-126	WG529396
Benzylbutyl phthalate	mg/l	.01	0.00487	48.7	22-154	WG529396
Bis(2-chlorethoxy)methane	mg/l	.01	0.00907	90.7	42-116	WG529396
Bis(2-chloroethyl)ether	mg/l	.01	0.00765	76.5	26-115	WG529396
Bis(2-chloroisopropyl)ether	mg/l	.01	0.00740	74.0	32-115	WG529396
Bis(2-ethylhexyl)phthalate	mg/l	.01	0.0103	103.	47-143	WG529396
Chrysene	mg/l	.01	0.00804	80.4	58-113	WG529396
Di-n-butyl phthalate	mg/l	.01	0.00764	76.4	51-131	WG529396
Di-n-octyl phthalate	mg/l	.01	0.00978	97.8	51-138	WG529396
Dibenz(a,h)anthracene	mg/l	.01	0.00939	93.9	39-144	WG529396
Diethyl phthalate	mg/l	.01	0.00559	55.9	36-128	WG529396
Dimethyl phthalate	mg/l	.01	0.00192	19.2	10-135	WG529396
Fluoranthene	mg/l	.01	0.00839	83.9	53-119	WG529396
Fluorene	mg/l	.01	0.00784	78.4	49-116	WG529396

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Hexachloro-1,3-butadiene	mg/l	.01	0.00696	69.6	21-116	WG529396
Hexachlorobenzene	mg/l	.01	0.00768	76.8	51-121	WG529396
Hexachlorocyclopentadiene	mg/l	.01	0.00615	61.5	4-126	WG529396
Hexachloroethane	mg/l	.01	0.00593	59.3	15-109	WG529396
Indeno(1,2,3-cd)pyrene	mg/l	.01	0.00919	91.9	40-143	WG529396
Isophorone	mg/l	.01	0.00815	81.5	48-126	WG529396
n-Nitrosodi-n-propylamine	mg/l	.01	0.00898	89.8	47-122	WG529396
n-Nitrosodimethylamine	mg/l	.01	0.00451	45.1	11-69	WG529396
n-Nitrosodiphenylamine	mg/l	.01	0.00726	72.6	59-143	WG529396
Naphthalene	mg/l	.01	0.00715	71.5	29-103	WG529396
Nitrobenzene	mg/l	.01	0.00718	71.8	31-105	WG529396
Pentachlorophenol	mg/l	.01	0.00435	43.5	20-122	WG529396
Phenanthrene	mg/l	.01	0.00821	82.1	54-112	WG529396
Phenol	mg/l	.01	0.00303	30.3	17-52	WG529396
Pyrene	mg/l	.01	0.00879	87.9	46-130	WG529396
2,4,6-Tribromophenol				80.03	10-148	WG529396
2-Fluorobiphenyl				78.88	26-122	WG529396
2-Fluorophenol				39.01	10-87	WG529396
Nitrobenzene-d5				75.22	12-120	WG529396
Phenol-d5				29.27	10-67	WG529396
p-Terphenyl-d14				94.11	34-149	WG529396
Mercury	mg/l	.003	0.00317	106.	85-115	WG529224

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0269	0.0267	108.	75-134	0.720	20	WG529239
1,1,1-Trichloroethane	mg/l	0.0267	0.0273	107.	67-137	2.29	20	WG529239
1,1,2,2-Tetrachloroethane	mg/l	0.0297	0.0284	119.	72-128	4.56	20	WG529239
1,1,2-Trichloroethane	mg/l	0.0283	0.0269	113.	79-123	4.81	20	WG529239
1,1-Dichloroethane	mg/l	0.0255	0.0261	102.	67-133	2.00	20	WG529239
1,1-Dichloroethene	mg/l	0.0227	0.0234	91.0	60-130	3.38	20	WG529239
1,1-Dichloropropene	mg/l	0.0246	0.0251	98.0	68-132	1.97	20	WG529239
1,2,3-Trichlorobenzene	mg/l	0.0283	0.0274	113.	63-138	3.21	20	WG529239
1,2,3-Trichloropropane	mg/l	0.0267	0.0252	107.	68-130	6.05	20	WG529239
1,2,4-Trichlorobenzene	mg/l	0.0297	0.0292	119.	65-137	1.71	20	WG529239
1,2,4-Trimethylbenzene	mg/l	0.0291	0.0283	116.	72-135	2.61	20	WG529239
1,2-Dibromo-3-Chloropropane	mg/l	0.0262	0.0244	105.	55-134	6.97	20	WG529239
1,2-Dibromoethane	mg/l	0.0255	0.0246	102.	75-126	3.33	20	WG529239
1,2-Dichlorobenzene	mg/l	0.0278	0.0273	111.	75-122	1.74	20	WG529239
1,2-Dichloroethane	mg/l	0.0219	0.0213	88.0	63-137	2.91	20	WG529239
1,2-Dichloropropane	mg/l	0.0286	0.0283	114.	74-122	0.820	20	WG529239
1,3,5-Trimethylbenzene	mg/l	0.0283	0.0285	113.	73-134	0.480	20	WG529239
1,3-Dichlorobenzene	mg/l	0.0272	0.0268	109.	73-131	1.61	20	WG529239
1,3-Dichloropropane	mg/l	0.0264	0.0257	106.	77-119	2.77	20	WG529239
1,4-Dichlorobenzene	mg/l	0.0272	0.0268	109.	70-121	1.60	20	WG529239
2,2-Dichloropropane	mg/l	0.0279	0.0280	112.	46-151	0.0300	20	WG529239
2-Butanone (MEK)	mg/l	0.145	0.136	116.	53-132	6.51	20	WG529239
2-Chlorotoluene	mg/l	0.0275	0.0276	110.	74-128	0.250	20	WG529239
4-Chlorotoluene	mg/l	0.0278	0.0275	111.	74-130	0.990	20	WG529239
4-Methyl-2-pentanone (MIBK)	mg/l	0.152	0.143	122.	60-142	5.99	20	WG529239
Acetone	mg/l	0.130	0.126	104.	48-134	2.77	20	WG529239
Acrolein	mg/l	0.133	0.135	106.	6-182	1.41	39	WG529239
Acrylonitrile	mg/l	0.142	0.135	113.	60-140	4.51	20	WG529239
Benzene	mg/l	0.0251	0.0254	100.	67-126	1.03	20	WG529239
Bromobenzene	mg/l	0.0261	0.0261	104.	76-123	0.100	20	WG529239
Bromodichloromethane	mg/l	0.0267	0.0263	107.	68-133	1.58	20	WG529239

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Quality Assurance Report
Level II

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bromoform	mg/l	0.0254	0.0243	102.	60-139	4.26	20	WG529239
Bromomethane	mg/l	0.0193	0.0197	77.0	45-175	2.13	20	WG529239
Carbon tetrachloride	mg/l	0.0218	0.0253	87.0	64-141	14.6	20	WG529239
Chlorobenzene	mg/l	0.0264	0.0262	106.	77-125	0.810	20	WG529239
Chlorodibromomethane	mg/l	0.0267	0.0256	107.	73-138	4.33	20	WG529239
Chloroethane	mg/l	0.0238	0.0269	95.0	49-155	12.3	20	WG529239
Chloroform	mg/l	0.0259	0.0258	104.	66-126	0.620	20	WG529239
Chloromethane	mg/l	0.0170	0.0171	68.0	45-152	0.250	20	WG529239
cis-1,2-Dichloroethene	mg/l	0.0257	0.0260	103.	72-128	1.39	20	WG529239
Di-isopropyl ether	mg/l	0.0284	0.0286	114.	63-139	0.560	20	WG529239
Dibromomethane	mg/l	0.0248	0.0241	99.0	73-125	2.89	20	WG529239
Dichlorodifluoromethane	mg/l	0.0189	0.0230	76.0	39-189	19.5	24	WG529239
Ethylbenzene	mg/l	0.0286	0.0286	114.	76-129	0.160	20	WG529239
Hexachloro-1,3-butadiene	mg/l	0.0316	0.0314	126.	67-135	0.590	20	WG529239
Isopropylbenzene	mg/l	0.0300	0.0300	120.	73-132	0.100	20	WG529239
m&p-Xylenes	mg/l	0.0560	0.0564	112.	74-128	0.690	20	WG529239
Methyl tert-butyl ether	mg/l	0.0272	0.0266	109.	51-142	2.28	20	WG529239
Methylene Chloride	mg/l	0.0229	0.0228	92.0	64-125	0.520	20	WG529239
n-Butylbenzene	mg/l	0.0316	0.0318	126.	63-142	0.490	20	WG529239
n-Propylbenzene	mg/l	0.0289	0.0290	115.	71-132	0.360	20	WG529239
Naphthalene	mg/l	0.0280	0.0266	112.	56-145	4.94	20	WG529239
o-Xylene	mg/l	0.0293	0.0292	117.	78-128	0.490	20	WG529239
p-Isopropyltoluene	mg/l	0.0302	0.0303	121.	68-138	0.290	20	WG529239
sec-Butylbenzene	mg/l	0.0309	0.0312	124.	70-135	0.860	20	WG529239
Styrene	mg/l	0.0285	0.0283	114.	78-130	0.680	20	WG529239
tert-Butylbenzene	mg/l	0.0302	0.0304	121.	72-134	0.560	20	WG529239
Tetrachloroethene	mg/l	0.0265	0.0266	106.	67-135	0.280	20	WG529239
Toluene	mg/l	0.0265	0.0265	106.	72-122	0.270	20	WG529239
trans-1,2-Dichloroethene	mg/l	0.0208	0.0219	83.0	67-129	5.22	20	WG529239
Trichloroethene	mg/l	0.0254	0.0259	102.	74-126	2.01	20	WG529239
Trichlorofluoromethane	mg/l	0.0241	0.0260	96.0	54-156	7.80	20	WG529239
Vinyl chloride	mg/l	0.0213	0.0245	85.0	55-153	13.7	20	WG529239
4-Bromofluorobenzene				97.43	75-128			WG529239
Dibromofluoromethane				96.31	79-125			WG529239
Toluene-d8				104.3	87-114			WG529239
a,a,a-Trifluorotoluene				104.2	84-114			WG529239
PCB 1016	mg/l	0.000320	0.000300	64.0	49-105	6.26	25	WG529281
PCB 1260	mg/l	0.000381	0.000335	76.0	46-126	12.9	34	WG529281
Decachlorobiphenyl				64.06	10-122.6			WG529281
Tetrachloro-m-xylene				59.64	15.3-114.2			WG529281
1,2,4-Trichlorobenzene	mg/l	0.00541	0.00620	54.0	26-103	13.7	38	WG529396
2,4,6-Trichlorophenol	mg/l	0.00480	0.00747	48*	49-118	43.4*	28	WG529396
2,4-Dichlorophenol	mg/l	0.00527	0.00757	53.0	46-115	35.9*	28	WG529396
2,4-Dimethylphenol	mg/l	0.00690	0.00695	69.0	40-124	0.766	36	WG529396
2,4-Dinitrophenol	mg/l	0.00349	0.00544	35.0	10-125	43.6	50	WG529396
2,4-Dinitrotoluene	mg/l	0.00734	0.00800	73.0	56-128	8.61	24	WG529396
2,6-Dinitrotoluene	mg/l	0.00714	0.00752	71.0	56-121	5.25	23	WG529396
2-Chloronaphthalene	mg/l	0.00663	0.00737	66.0	44-110	10.6	30	WG529396
2-Chlorophenol	mg/l	0.00511	0.00630	51.0	38-114	20.7	36	WG529396
2-Nitrophenol	mg/l	0.00514	0.00750	51.0	35-118	37.5*	35	WG529396
3,3-Dichlorobenzidine	mg/l	0.00669	0.00731	67.0	46-145	8.97	31	WG529396
4,6-Dinitro-2-methylphenol	mg/l	0.00264	0.00567	26.0	24-119	72.9*	50	WG529396
4-Bromophenyl-phenylether	mg/l	0.00871	0.00863	87.0	45-105	0.904	26	WG529396
4-Chloro-3-methylphenol	mg/l	0.00623	0.00728	62.0	47-116	15.6	22	WG529396
4-Chlorophenyl-phenylether	mg/l	0.00771	0.00829	77.0	49-116	7.25	26	WG529396

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April 06, 2011

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
4-Nitrophenol	mg/l	0.00109	0.00203	11.0	10-66	59.9*	37	WG529396
Acenaphthene	mg/l	0.00709	0.00776	71.0	48-110	9.06	26	WG529396
Acenaphthylene	mg/l	0.00757	0.00806	76.0	48-113	6.26	28	WG529396
Anthracene	mg/l	0.00779	0.00824	78.0	55-127	5.60	24	WG529396
Benzidine	mg/l	0.000187	0.000424	2.00	0-46	77.9*	50	WG529396
Benzo(a)anthracene	mg/l	0.00837	0.00849	84.0	57-115	1.47	20	WG529396
Benzo(a)pyrene	mg/l	0.00838	0.00856	84.0	63-125	2.12	22	WG529396
Benzo(b)fluoranthene	mg/l	0.00895	0.00839	89.0	50-123	6.41	32	WG529396
Benzo(g,h,i)perylene	mg/l	0.00834	0.00904	83.0	39-143	8.09	31	WG529396
Benzo(k)fluoranthene	mg/l	0.00731	0.00820	73.0	45-126	11.5	37	WG529396
Benzylbutyl phthalate	mg/l	0.00568	0.00487	57.0	22-154	15.4	29	WG529396
Bis(2-chlorethoxy)methane	mg/l	0.00833	0.00907	83.0	42-116	8.45	38	WG529396
Bis(2-chloroethyl)ether	mg/l	0.00723	0.00765	72.0	26-115	5.71	50	WG529396
Bis(2-chloroisopropyl)ether	mg/l	0.00688	0.00740	69.0	32-115	7.36	47	WG529396
Bis(2-ethylhexyl)phthalate	mg/l	0.0119	0.0103	119.	47-143	14.4	24	WG529396
Chrysene	mg/l	0.00796	0.00804	80.0	58-113	0.988	21	WG529396
Di-n-butyl phthalate	mg/l	0.00772	0.00764	77.0	51-131	1.09	22	WG529396
Di-n-octyl phthalate	mg/l	0.0111	0.00978	111.	51-138	12.9	22	WG529396
Dibenz(a,h)anthracene	mg/l	0.00836	0.00939	84.0	39-144	11.6	30	WG529396
Diethyl phthalate	mg/l	0.00526	0.00559	52.0	36-128	6.16	27	WG529396
Dimethyl phthalate	mg/l	0.00180	0.00192	18.0	10-135	6.35	33	WG529396
Fluoranthene	mg/l	0.00762	0.00839	76.0	53-119	9.71	28	WG529396
Fluorene	mg/l	0.00732	0.00784	73.0	49-116	6.93	25	WG529396
Hexachloro-1,3-butadiene	mg/l	0.00618	0.00696	62.0	21-116	11.9	50	WG529396
Hexachlorobenzene	mg/l	0.00743	0.00768	74.0	51-121	3.25	23	WG529396
Hexachlorocyclopentadiene	mg/l	0.00513	0.00615	51.0	4-126	18.0	50	WG529396
Hexachloroethane	mg/l	0.00546	0.00593	54.0	15-109	8.30	50	WG529396
Indeno(1,2,3-cd)pyrene	mg/l	0.00852	0.00919	85.0	40-143	7.47	30	WG529396
Isophorone	mg/l	0.00787	0.00815	79.0	48-126	3.46	31	WG529396
n-Nitrosodi-n-propylamine	mg/l	0.00860	0.00898	86.0	47-122	4.36	33	WG529396
n-Nitrosodimethylamine	mg/l	0.00475	0.00451	47.0	11-69	5.21	50	WG529396
n-Nitrosodiphenylamine	mg/l	0.00716	0.00726	72.0	59-143	1.32	23	WG529396
Naphthalene	mg/l	0.00648	0.00715	65.0	29-103	9.76	45	WG529396
Nitrobenzene	mg/l	0.00654	0.00718	65.0	31-105	9.36	43	WG529396
Pentachlorophenol	mg/l	0.00272	0.00435	27.0	20-122	46.1	50	WG529396
Phenanthrene	mg/l	0.00794	0.00821	79.0	54-112	3.36	22	WG529396
Phenol	mg/l	0.00272	0.00303	27.0	17-52	10.9	33	WG529396
Pyrene	mg/l	0.00949	0.00879	95.0	46-130	7.61	28	WG529396
2,4,6-Tribromophenol				49.51	10-148			WG529396
2-Fluorobiphenyl				70.43	26-122			WG529396
2-Fluorophenol				30.42	10-87			WG529396
Nitrobenzene-d5				69.00	12-120			WG529396
Phenol-d5				25.75	10-67			WG529396
p-Terphenyl-d14				100.8	34-149			WG529396

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0203	0	.025	81.1	45-152	L509152-27	WG529239
1,1,1-Trichloroethane	mg/l	0.0152	0	.025	60.8	31-161	L509152-27	WG529239
1,1,2,2-Tetrachloroethane	mg/l	0.0283	0	.025	113.	49-149	L509152-27	WG529239
1,1,2-Trichloroethane	mg/l	0.0233	0	.025	93.2	46-145	L509152-27	WG529239
1,1-Dichloroethane	mg/l	0.0167	0	.025	66.6	30-159	L509152-27	WG529239
1,1-Dichloroethene	mg/l	0.0123	0	.025	49.3	10-162	L509152-27	WG529239
1,1-Dichloropropene	mg/l	0.0143	0	.025	57.1	14-162	L509152-27	WG529239
1,2,3-Trichlorobenzene	mg/l	0.0240	0	.025	95.8	32-143	L509152-27	WG529239
1,2,3-Trichloropropane	mg/l	0.0244	0	.025	97.7	48-148	L509152-27	WG529239
1,2,4-Trichlorobenzene	mg/l	0.0229	0	.025	91.8	27-142	L509152-27	WG529239
1,2,4-Trimethylbenzene	mg/l	0.0223	0	.025	89.3	29-153	L509152-27	WG529239

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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	0.0240	0	.025	96.0	37-148	L509152-27	WG529239
1,2-Dibromoethane	mg/l	0.0221	0	.025	88.6	41-149	L509152-27	WG529239
1,2-Dichlorobenzene	mg/l	0.0224	0	.025	89.7	40-139	L509152-27	WG529239
1,2-Dichloroethane	mg/l	0.0177	0	.025	70.6	29-167	L509152-27	WG529239
1,2-Dichloropropane	mg/l	0.0218	0	.025	87.3	39-148	L509152-27	WG529239
1,3,5-Trimethylbenzene	mg/l	0.0203	0	.025	81.0	33-149	L509152-27	WG529239
1,3-Dichlorobenzene	mg/l	0.0218	0	.025	87.0	32-148	L509152-27	WG529239
1,3-Dichloropropane	mg/l	0.0217	0	.025	86.8	44-142	L509152-27	WG529239
1,4-Dichlorobenzene	mg/l	0.0217	0	.025	86.8	32-136	L509152-27	WG529239
2,2-Dichloropropane	mg/l	0.0156	0	.025	62.5	14-158	L509152-27	WG529239
2-Butanone (MEK)	mg/l	0.121	0	.125	96.8	32-151	L509152-27	WG529239
2-Chlorotoluene	mg/l	0.0206	0	.025	82.3	35-147	L509152-27	WG529239
4-Chlorotoluene	mg/l	0.0217	0	.025	86.8	33-147	L509152-27	WG529239
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0	.125	115.	40-160	L509152-27	WG529239
Acetone	mg/l	0.105	0	.125	84.2	25-157	L509152-27	WG529239
Acrolein	mg/l	0.168	0	.125	134.	0-179	L509152-27	WG529239
Acrylonitrile	mg/l	0.127	0	.125	102.	37-162	L509152-27	WG529239
Benzene	mg/l	0.0168	0	.025	67.0	16-158	L509152-27	WG529239
Bromobenzene	mg/l	0.0209	0	.025	83.7	37-147	L509152-27	WG529239
Bromodichloromethane	mg/l	0.0218	0	.025	87.2	45-147	L509152-27	WG529239
Bromoform	mg/l	0.0216	0	.025	86.5	38-152	L509152-27	WG529239
Bromomethane	mg/l	0.0117	0	.025	46.6	0-191	L509152-27	WG529239
Carbon tetrachloride	mg/l	0.0122	0	.025	48.9	22-168	L509152-27	WG529239
Chlorobenzene	mg/l	0.0195	0	.025	78.0	33-148	L509152-27	WG529239
Chlorodibromomethane	mg/l	0.0218	0	.025	87.4	48-151	L509152-27	WG529239
Chloroethane	mg/l	0.0162	0	.025	64.9	4-176	L509152-27	WG529239
Chloroform	mg/l	0.0181	0	.025	72.2	37-147	L509152-27	WG529239
Chloromethane	mg/l	0.0112	0	.025	44.8	10-174	L509152-27	WG529239
cis-1,2-Dichloroethene	mg/l	0.0179	0	.025	71.8	29-156	L509152-27	WG529239
Di-isopropyl ether	mg/l	0.0206	0	.025	82.5	39-160	L509152-27	WG529239
Dibromomethane	mg/l	0.0212	0	.025	85.0	36-152	L509152-27	WG529239
Dichlorodifluoromethane	mg/l	0.0134	0	.025	53.4	0-200	L509152-27	WG529239
Ethylbenzene	mg/l	0.0191	0	.025	76.4	29-150	L509152-27	WG529239
Hexachloro-1,3-butadiene	mg/l	0.0208	0	.025	83.0	28-144	L509152-27	WG529239
Isopropylbenzene	mg/l	0.0179	0	.025	71.5	35-147	L509152-27	WG529239
m&p-Xylenes	mg/l	0.0382	0	.05	76.3	24-151	L509152-27	WG529239
Methyl tert-butyl ether	mg/l	0.0205	0	.025	82.2	24-167	L509152-27	WG529239
Methylene Chloride	mg/l	0.0166	0	.025	66.2	23-151	L509152-27	WG529239
n-Butylbenzene	mg/l	0.0209	0	.025	83.7	22-151	L509152-27	WG529239
n-Propylbenzene	mg/l	0.0192	0	.025	76.9	26-150	L509152-27	WG529239
Naphthalene	mg/l	0.0254	0	.025	102.	24-160	L509152-27	WG529239
o-Xylene	mg/l	0.0208	0	.025	83.4	32-151	L509152-27	WG529239
p-Isopropyltoluene	mg/l	0.0205	0	.025	81.8	28-151	L509152-27	WG529239
sec-Butylbenzene	mg/l	0.0206	0	.025	82.3	32-149	L509152-27	WG529239
Styrene	mg/l	0.0290	0	.025	116.	38-149	L509152-27	WG529239
tert-Butylbenzene	mg/l	0.0208	0	.025	83.2	36-149	L509152-27	WG529239
Tetrachloroethene	mg/l	0.0167	0	.025	66.8	13-157	L509152-27	WG529239
Toluene	mg/l	0.0188	0	.025	75.3	22-152	L509152-27	WG529239
trans-1,2-Dichloroethene	mg/l	0.0133	0	.025	53.3	11-160	L509152-27	WG529239
Trichloroethene	mg/l	0.0163	0	.025	65.3	18-163	L509152-27	WG529239
Trichlorofluoromethane	mg/l	0.0140	0	.025	55.8	10-177	L509152-27	WG529239
Vinyl chloride	mg/l	0.0134	0	.025	53.7	0-179	L509152-27	WG529239
4-Bromofluorobenzene					93.43	75-128		WG529239
Dibromofluoromethane					94.38	79-125		WG529239
Toluene-d8					108.6	87-114		WG529239
a,a,a-Trifluorotoluene					104.3	84-114		WG529239
Barium	mg/l	1.67	0.593	1.13	95.3	75-125	L508993-03	WG529474

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3201 Spring Forest Road

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Quality Assurance Report
Level II

L509314

April 06, 2011

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Cadmium	mg/l	1.11	0.00123	1.13	98.1	75-125	L508993-03	WG529474
Chromium	mg/l	1.13	0.00100	1.13	99.9	75-125	L508993-03	WG529474
Lead	mg/l	1.13	0	1.13	100.	75-125	L508993-03	WG529474
Selenium	mg/l	1.05	0	1.13	92.9	75-125	L508993-03	WG529474
Silver	mg/l	0.219	0.00360	1.13	19.1*	75-125	L508993-03	WG529474
Arsenic	mg/l	0.0540	0	.0567	95.2	75-125	L509314-02	WG529346
Mercury	mg/l	0.00328	0	.003	109.	70-130	L509151-01	WG529224

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0239	0.0203	95.6	45-152	16.4	21	L509152-27	WG529239
1,1,1-Trichloroethane	mg/l	0.0196	0.0152	78.4	31-161	25.2*	23	L509152-27	WG529239
1,1,2,2-Tetrachloroethane	mg/l	0.0297	0.0283	119.	49-149	5.08	22	L509152-27	WG529239
1,1,2-Trichloroethane	mg/l	0.0261	0.0233	104.	46-145	11.4	20	L509152-27	WG529239
1,1-Dichloroethane	mg/l	0.0200	0.0167	80.0	30-159	18.2	21	L509152-27	WG529239
1,1-Dichloroethene	mg/l	0.0155	0.0123	61.8	10-162	22.6	23	L509152-27	WG529239
1,1-Dichloropropene	mg/l	0.0181	0.0143	72.2	14-162	23.4*	23	L509152-27	WG529239
1,2,3-Trichlorobenzene	mg/l	0.0281	0.0240	112.	32-143	15.7	33	L509152-27	WG529239
1,2,3-Trichloropropane	mg/l	0.0263	0.0244	105.	48-148	7.51	23	L509152-27	WG529239
1,2,4-Trichlorobenzene	mg/l	0.0257	0.0229	103.	27-142	11.4	30	L509152-27	WG529239
1,2,4-Trimethylbenzene	mg/l	0.0249	0.0223	99.5	29-153	10.8	27	L509152-27	WG529239
1,2-Dibromo-3-Chloropropane	mg/l	0.0274	0.0240	110.	37-148	13.3	27	L509152-27	WG529239
1,2-Dibromoethane	mg/l	0.0242	0.0221	97.0	41-149	9.01	21	L509152-27	WG529239
1,2-Dichlorobenzene	mg/l	0.0265	0.0224	106.	40-139	16.8	23	L509152-27	WG529239
1,2-Dichloroethane	mg/l	0.0197	0.0177	78.8	29-167	10.9	21	L509152-27	WG529239
1,2-Dichloropropane	mg/l	0.0253	0.0218	101.	39-148	14.6	20	L509152-27	WG529239
1,3,5-Trimethylbenzene	mg/l	0.0239	0.0203	95.5	33-149	16.4	26	L509152-27	WG529239
1,3-Dichlorobenzene	mg/l	0.0241	0.0218	96.3	32-148	10.1	24	L509152-27	WG529239
1,3-Dichloropropane	mg/l	0.0246	0.0217	98.2	44-142	12.4	20	L509152-27	WG529239
1,4-Dichlorobenzene	mg/l	0.0241	0.0217	96.6	32-136	10.6	23	L509152-27	WG529239
2,2-Dichloropropane	mg/l	0.0204	0.0156	81.5	14-158	26.4*	23	L509152-27	WG529239
2-Butanone (MEK)	mg/l	0.135	0.121	108.	32-151	10.6	26	L509152-27	WG529239
2-Chlorotoluene	mg/l	0.0241	0.0206	96.4	35-147	15.7	24	L509152-27	WG529239
4-Chlorotoluene	mg/l	0.0243	0.0217	97.2	33-147	11.2	25	L509152-27	WG529239
4-Methyl-2-pentanone (MIBK)	mg/l	0.150	0.144	120.	40-160	3.67	28	L509152-27	WG529239
Acetone	mg/l	0.115	0.105	92.1	25-157	8.95	26	L509152-27	WG529239
Acrolein	mg/l	0.184	0.168	147.	0-179	9.37	39	L509152-27	WG529239
Acrylonitrile	mg/l	0.140	0.127	112.	37-162	9.73	24	L509152-27	WG529239
Benzene	mg/l	0.0200	0.0168	79.9	16-158	17.4	21	L509152-27	WG529239
Bromobenzene	mg/l	0.0236	0.0209	94.3	37-147	12.0	23	L509152-27	WG529239
Bromodichloromethane	mg/l	0.0247	0.0218	99.0	45-147	12.7	20	L509152-27	WG529239
Bromoform	mg/l	0.0250	0.0216	100.	38-152	14.6	20	L509152-27	WG529239
Bromomethane	mg/l	0.0143	0.0117	57.3	0-191	20.6	35	L509152-27	WG529239
Carbon tetrachloride	mg/l	0.0152	0.0122	60.8	22-168	21.7	24	L509152-27	WG529239
Chlorobenzene	mg/l	0.0233	0.0195	93.0	33-148	17.6	22	L509152-27	WG529239
Chlorodibromomethane	mg/l	0.0249	0.0218	99.5	48-151	13.0	21	L509152-27	WG529239
Chloroethane	mg/l	0.0202	0.0162	81.0	4-176	22.0	27	L509152-27	WG529239
Chloroform	mg/l	0.0214	0.0181	85.5	37-147	16.9	21	L509152-27	WG529239
Chloromethane	mg/l	0.0141	0.0112	56.2	10-174	22.7	28	L509152-27	WG529239
cis-1,2-Dichloroethene	mg/l	0.0213	0.0179	85.0	29-156	16.9	22	L509152-27	WG529239
Di-isopropyl ether	mg/l	0.0234	0.0206	93.6	39-160	12.6	21	L509152-27	WG529239
Dibromomethane	mg/l	0.0233	0.0212	93.3	36-152	9.30	20	L509152-27	WG529239
Dichlorodifluoromethane	mg/l	0.0176	0.0134	70.4	0-200	27.4*	26	L509152-27	WG529239
Ethylbenzene	mg/l	0.0238	0.0191	95.0	29-150	21.8	24	L509152-27	WG529239

* 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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3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L509314

April 06, 2011

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Hexachloro-1,3-butadiene	mg/l	0.0262	0.0208	105.	28-144	23.2	33	L509152-27	WG529239
Isopropylbenzene	mg/l	0.0232	0.0179	92.9	35-147	26.1*	25	L509152-27	WG529239
m&p-Xylenes	mg/l	0.0467	0.0382	93.4	24-151	20.2	23	L509152-27	WG529239
Methyl tert-butyl ether	mg/l	0.0227	0.0205	90.6	24-167	9.78	22	L509152-27	WG529239
Methylene Chloride	mg/l	0.0193	0.0166	77.3	23-151	15.4	21	L509152-27	WG529239
n-Butylbenzene	mg/l	0.0254	0.0209	102.	22-151	19.4	29	L509152-27	WG529239
n-Propylbenzene	mg/l	0.0234	0.0192	93.4	26-150	19.4	25	L509152-27	WG529239
Naphthalene	mg/l	0.0301	0.0254	120.	24-160	17.1	37	L509152-27	WG529239
o-Xylene	mg/l	0.0258	0.0208	103.	32-151	21.3	23	L509152-27	WG529239
p-Isopropyltoluene	mg/l	0.0244	0.0205	97.6	28-151	17.5	27	L509152-27	WG529239
sec-Butylbenzene	mg/l	0.0247	0.0206	98.7	32-149	18.2	26	L509152-27	WG529239
Styrene	mg/l	0.0349	0.0290	139.	38-149	18.4	23	L509152-27	WG529239
tert-Butylbenzene	mg/l	0.0247	0.0208	98.8	36-149	17.1	26	L509152-27	WG529239
Tetrachloroethene	mg/l	0.0208	0.0167	83.3	13-157	22.0	24	L509152-27	WG529239
Toluene	mg/l	0.0215	0.0188	86.0	22-152	13.3	22	L509152-27	WG529239
trans-1,2-Dichloroethene	mg/l	0.0162	0.0133	64.7	11-160	19.3	23	L509152-27	WG529239
Trichloroethene	mg/l	0.0202	0.0163	80.9	18-163	21.4*	21	L509152-27	WG529239
Trichlorofluoromethane	mg/l	0.0184	0.0140	73.5	10-177	27.4*	24	L509152-27	WG529239
Vinyl chloride	mg/l	0.0176	0.0134	70.6	0-179	27.1*	26	L509152-27	WG529239
4-Bromofluorobenzene				98.21	75-128				WG529239
Dibromofluoromethane				94.87	79-125				WG529239
Toluene-d8				104.5	87-114				WG529239
a,a,a-Trifluorotoluene				104.4	84-114				WG529239
Barium	mg/l	1.66	1.67	94.4	75-125	0.601	20	L508993-03	WG529474
Cadmium	mg/l	1.10	1.11	97.2	75-125	0.905	20	L508993-03	WG529474
Chromium	mg/l	1.12	1.13	99.0	75-125	0.889	20	L508993-03	WG529474
Lead	mg/l	1.12	1.13	99.1	75-125	0.889	20	L508993-03	WG529474
Selenium	mg/l	1.04	1.05	92.0	75-125	0.957	20	L508993-03	WG529474
Silver	mg/l	0.272	0.219	23.8*	75-125	21.6*	20	L508993-03	WG529474
Arsenic	mg/l	0.0533	0.0540	94.0	75-125	1.30	20	L509314-02	WG529346
Mercury	mg/l	0.00338	0.00328	113.	70-130	3.00	20	L509151-01	WG529224

Batch number /Run number / Sample number cross reference

WG529239: R1636149: L509314-01 02
WG529396: R1637489: L509314-01 02
WG529281: R1637592: L509314-02
WG529474: R1638370: L509314-01 02
WG529346: R1638589: L509314-01 02
WG529224: R1639271: L509314-01 02

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
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Quality Assurance Report
Level II

L509314

April 06, 2011

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.

Company Name/Address

S & ME (SMERLNC)
3201 Spring Forest Road
Raleigh, North Carolina 27604

Alternate Billing

Report to: Chris Hamblet
E-mail to: chamblet@smeinc.com

Project Description: 5.5-Acre Erwin Square/Former Burlington Industries Site
City/State Durham, NC

PHONE: 919-872-2660
FAX: 919-876-3958

Client Project No. 1054-10-288A
Lab Project #

Collected by: Chris Hamblet
Site/Facility ID#
P.O.#

Collected by(signature):
Packed on Ice N___ Y ✓

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed
Email?___No___Yes
FAX?___No___Yes

Chain of Custody
Page 1 of 1

Prepared by:
ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
F147

CoCode (lab use only)
SMERLNC
Template/Prelogin

Shipped Via: Raleigh Service Center HDC

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	VOCs + 10 TICs x 8260B	SVOCs + 10 TICs x 8270C	8 RCRA Metals x 6010/7470	PCBs x 8082	VOCs + 10 TICs x 6200B	SVOCs + 10 TICs x 625			Remarks/contaminant	Sample # (lab only)
SW-01	Grab	SW		4/1/11	1355	5			✓		✓	✓				L509314-01
SW-02	Grab	SW		4/1/11	1430	7			✓	✓	✓	✓				02

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other Surface water

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx__ UPS__ Other__ SWA		Condition (lab use only)
Chris Hamblet	4/1/11	1630	[signature]			ok
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 3.7°	Bottles Received: 12+1TB	
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 4/2/11	Time: 0900	pH Checked: <2 NCF:

APPENDIX V – BROWNFIELDS AREA RECONNAISSANCE AND RECEPTOR SURVEY GUIDANCE FORM

North Carolina Department of Environment and Natural Resources

BROWNFIELDS AREA RECONNAISSANCE AND RECEPTOR SURVEY GUIDANCE FORM

This form was created to facilitate the preparation of a receptor survey for a given brownfield property. This is a guidance document only, and Prospective Developers may complete and submit their own receptor survey, if they desire. Any receptor survey submitted must be completed by a qualified environmental professional.

General Instructions

1.) Complete "Property Characteristics" Section and all portions of other sections where an "X" has been placed in the far left column under "Applicable to Site," as determined by the DENR Brownfields Project Manager on a site specific

2.) The search-radius distances to potential receptors from the Property boundary will be determined by the DENR Brownfields Project Manager on a site by site basis.

3.) Search-radius distances are measured from the site Property Boundary unless otherwise indicated by the DENR Brownfield's Project Manager.

Site: Erwin Square
Address: 2109 Hillsborough Road
City: Durham
County: Durham

Section 1 - Property Characteristics

Provide Information for the following potential receptors	*Current Usage*	*Proposed Usage*
Size of Property (acres)	5.5	5.5
% of property that is wooded	0	0
% of property that is scrub/shrub	0	0
% of property that is open land	100	0
% of property that is grass area	100	10
% of property that is agricultural crops	0	0
% of property that is barren	0	0
% of property that is used for commercial or industrial usage including paved areas	0	0

Section 2 - Surrounding Properties

Applicable to Site (DENR Use Only)	*Direction from Subject Brownfield Property*	*Current Zoning/Land Use*	*Proposed Zoning/Land Use*
X	North	Urban	Urban
X	South	Urban	Urban
X	East	Urban	Urban
X	West	9th Street / Duke Hospital CN	9th Street / Duke Hospital CN

Section 3 - Potential Receptors - include burial depth, construction material and diameter, when available.

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Field Verified*	*Date Verified*	*Distance* / *Direction* / *Depth* — *Complete and attach map as appropriate*
X	Is a basement or subsurface foundation within 1000 ft of the Property boundary?	Y	Y	4/20/2011	North and East of property. Less than 1000 ft.
X	Is a school or daycare center within 1000 ft of the Property boundary?	Y	Y	4/20/2011	Powe Elementary is located approximately 1000 ft north of property.
X	Is a storm sewer within 1000 ft of the Property boundary?	Y	Y	4/20/2011	Surrounding property.
X	Is a sanitary sewer within 1000 ft of the Property boundary?	Y	Y	4/20/2011	Surrounding property.
X	Is a septic system leach field within 1000 ft of the Property boundary?	N	Y	4/20/2011	
X	Is a water line main within 1000 ft of Property boundary?	Y	Y	4/20/2011	Surrounding property.
X	Is a natural gas line main within 1000 ft of the Property boundary?	Y	Y	4/20/2011	Surrounding property.
X	Is a buried telephone/ cable main within 1000 ft of the Property boundary?	Y	Y	4/20/2011	Surrounding property.
X	Is a buried electrical cable main within 1000 ft of Property boundary?	Y	Y	4/20/2011	Surrounding property.

Section 4 - Local Water Supply

Public: City of Durham Private: _____

Potable Water Supplier Name: _____

Potable Water Supply Source: Lake Michie and Little River Reservoir

Distance: > 1 mile Direction: North

Potable Water Source Intake: _____

Distance: _____ Direction: _____

Section 5 - Water Supply Wells

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Field Verified*	*Date Verified*	*Distance* / *Direction* / *Depth* — *Complete and attach map as appropriate*
X	Is a public water supply well within 1 mile of the Property boundary?	N	Y	4/20/2011	Durham water supply is north of the city at Lake Michie and Little River Reservoir.
X	Is a private water supply well within 1/2 mile of the Property boundary?	N	N	4/21/2011	Concrete potable well housing observed approximately 10 feet to left of house at 302 Powe St. According to City of Durham this property currently is connected to the city's water supply system.
X	Is a irrigation supply well within 1/2 mile of the Property boundary?	N	Y	4/20/2011	
X	Is a monitoring well within 1500 ft of the Property boundary?	Y	Y	4/20/2011	Monitoring well located at Mad Hatter's Café on corner of Broad St and Main St approximately 50 ft north of Main St near and to the right of Main St entrance to shopping area. Two additional monitoring wells located to the west of property adjacent to mixed use building.

Section 6 - Water Bodies on Property

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Comments*
X	Is water body naturally developed or man made?	No water bodies on property.
X	List the uses of the water body	No water bodies on property.
X	What is the source of the water for the water body	No water bodies on property.
X	What is the nature of the bottom of the water body (e.g., rocky or concrete bottom, drainage ways or	No water bodies on property.
X	Are there any wetlands present on the property?	No wetlands on property.

Section 7 - Surface Water Body

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Y/N*	*Name*	*Type*	*Distance*	*Direction*	*Depth*
					Complete and attach map as appropriate		
X	Are there surface waters located within 500/1000 ft of the Property boundary?	Y	Unknown	pond	Approximately 800 feet north of property boundary. Depth unknown.		
		Y	South Ellerbe Creek	creek	Approximately 600-700 feet north of property boundary. Depth unknown.		

Section 8 - Additional Requests/ Observations

Applicable to Site (DENR Use Only)	*Provide Information for the following potential receptors*	*Comments*