
REMEDIAL INVESTIGATION REPORT

for

**1676 THIRD AVENUE
New York, New York**

NYSDEC BCP Site No. C231079

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TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SITE PHYSICAL CHARACTERISTICS	2
2.1	Site Description	2
2.1.1	Surrounding Property Land Use	2
2.1.2	Topography	4
2.1.3	Surface Water and Drainage	4
2.2	Geologic Conditions	4
2.2.1	Regional Geology	4
2.2.2	Site Geology	4
2.3	Hydrogeologic Conditions	5
2.3.1	Regional Hydrogeology	5
2.3.2	Site Hydrogeology	5
3.0	SITE BACKGROUND	6
3.1	Site Developmental History	6
3.2	Previous Investigation Reports.....	6
3.2.1	Phase I Environmental Site Assessment, April 2011	7
3.2.2	Phase II Environmental Site Investigation, July 2007	7
3.2.3	Soil Sample Analysis Report, February 2012	8
3.2.4	Soil & Groundwater Sample Analysis Report, April 2012	8
3.3	Summary of Area of Concern (AOC)	9
4.0	FIELD INVESTIGATIONS	10
4.1	Investigation Summary.....	10
4.2	Data Validation	11
4.2.1	Data Usability Summary Report Preparation	12
5.0	FIELD OBSERVATIONS AND ANALYTICAL RESULTS	14
5.1	Geology and Hydrology	15
5.1.1	Geology	15
5.1.2	Hydrology	15
5.2	Soil Findings	15
5.2.1	Site Field Observations	15
5.2.2	Off-Site Field Observations	16

5.2.3	Site Analytical Results	16
5.2.4	Off-Site Analytical Results	17
5.3	Groundwater Findings	18
5.3.1	Field Observations	18
5.3.2	Site Analytical Data	18
5.3.3	Off-Site Analytical Data	18
5.4	Data Usability	19
5.4.1	Data Validation Results	19
6.0	QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT	21
6.1	Human Health Exposure Assessment	21
6.2	Fish and Wildlife Exposure Assessment	27
7.0	NATURE AND EXTENT OF CONTAMINATION	28
7.1	On-Site Soil Contamination	28
7.2	Off-Site Soil Contamination.....	29
7.3	On-Site Groundwater Contamination.....	29
7.4	Off-Site Groundwater Contamination.....	30
8.0	CONCLUSIONS	32
9.0	CERTIFICATION.....	34
10.0	REFERENCES	35

TABLES

Table 1:	Groundwater Elevation Data Summary
Table 2:	Remedial Investigation Sample Summary

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Layout Map
Figure 3:	Part 375 Unrestricted Use Soil Exceedance Plan
Figure 4:	TOGS 1.1.1 AWQS Groundwater Exceedance Plan

APPENDICES

Appendix A:	Previous Environmental Reports
Appendix B:	Data Usability Summary Reports
Appendix C:	Completed FWRIA Form

1.0 INTRODUCTION

This Remedial Investigation (RI) Report was prepared on behalf of Bevin Associates LLC (the "Volunteer") for the property located at 1676 Third Avenue in New York, New York (the Site). A Site Location Map is provided as Figure 1. The Volunteer has entered into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) to investigate and, where necessary, remediate the Site in conjunction with new development under a NYSDEC Brownfield Cleanup Agreement (BCA) for Site No. C231079. NYSDEC Spill No. 1108991 is associated with the Site.

This RI Report presents a summary of environmental conditions and findings from previous environmental investigations including the April 2007 Phase I Environmental Site Assessment (ESA) Report and July 2007 Phase II Environmental Site Investigation (ESI) Report completed by Dvirka and Bartilucci Consulting Engineers (D&B) and the February 2012 Soil Sample Analysis Report (SAR) and April 2012 Soil & Groundwater SAR completed by Environmental Maintenance Contractors (EMC).

The analytical data generated in these reports was validated by Langan and utilized to assess the nature and extent of remaining contaminations, the exposure risks to human, fish and wildlife receptors, and describes required appropriate remedial measures.

The remainder of this RI Report is organized as follows:

- Section 2.0 describes the site setting and the physical characteristics of the Site.
- Section 3.0 describes the site background including results of previous investigations and identified areas of concerns.
- Section 4.0 presents the investigations field procedures.
- Section 5.0 describes the field observations and analytical results.
- Section 6.0 presents an assessment of the exposure risks of Site contaminants to human, fish, and wildlife receptors.
- Section 7.0 presents the nature and extent of contamination in soil and groundwater as determined through the field investigation and analysis of environmental samples.
- Section 8.0 summarizes the results of the previous investigations and presents conclusions based on field observations and analytical results.
- Section 9.0 presents the New York State registered professional engineer report certification.

2.0 SITE PHYSICAL CHARACTERISTICS

2.1 Site Description

The Site is located at 1676 Third Avenue in New York, New York and is identified as Block 1522, Lot 40 on the New York City Tax Map. The Site is approximately 930 square feet and is located on the city block bordered by 94th Street to the north, Third Avenue to the east, 93rd Street to the south, and Lexington Avenue to the west. A Site Location Map is provided as Figure 1 and a Site Layout Map is provided as Figure 2.

The Site was historically used as a gasoline station between the 1930s and 1980s. Gasoline underground storage tanks (UST) were removed in 1990 and the Volunteer purchased the Site in 2006. The superstructure for a new five-story plus penthouse townhouse building is constructed, but construction stopped before completing core and shell work. Excavation for the basement extends to approximately 10 to 12 feet below grade surface (ft bgs); there is presently no basement slab in place. NYSDEC Spill No. 11-08991 is associated with the Site. The spill was reported on October 17, 2011 when petroleum-contaminated soil was observed during excavation to redevelop the Site.

2.1.1 Surrounding Property Land Use

The Site is located in an urban setting that is characterized by residential and commercial buildings and parks. The surrounding property usage is summarized below:

<i>DIRECTION</i>	<i>ADJACENT PROPERTIES</i>	<i>SURROUNDING PROPERTIES</i>
Southwest	Five-story residential building with ground floor retail space.	Multi-story residential buildings with ground-level commercial space.
Northwest	Two-story residential building attached to a three-story residential building with ground floor retail space.	Multi-story residential buildings with ground-level commercial space.
Northeast	East 94th Street, on the other side of which is a four-story residential building with ground floor retail	Multi-story residential buildings with ground-level commercial space.
East	(across East 94th Street and Third Avenue), A five-story residential building with ground floor retail space	Multi-story residential buildings with ground-level commercial space.
Southeast	Third Avenue, on the other side of which is an approximately 30-story residential building with ground floor retail space.	Multi-story residential buildings with ground-level commercial space.

According to the New York City Planning Commission Zoning Map 6b, the Site is located in a C2-8 commercial district and the Site is not E-Designated. District C2-8 is defined as a

commercial district that is predominantly residential in character and is typical of areas mapped along major thoroughfares in medium- and higher-density areas of the city.

The nearest ecological receptor is the East River, which is located approximately 1,500 feet east of the Site. Sensitive receptors within a half mile of the Site include those listed below. The nearest sensitive receptor is approximately 300 feet southeast of the Site.

#	NAME	ADDRESS
1	Seton Day Care Center and Elizabeth Seton Pre-School	201 East 93 Street
2	92nd Street Y Nursery School	1395 Lexington Avenue
3	PS Lower Lab School / PS 198 Isador E Ida Straus	1700 Third Avenue
4	House of the Little People	122 East 91 Street
5	Town House International School	1209 Park Avenue
6	Life Sciences Secondary School	320 East 96 Street
7	Brick Church School	62 East 92 Street
8	Horace Mann School for Nursery Years	55 East 90 Street
9	Louis Green & Evelyn Green (Innovative Learning)	60 East 97 Street
10	Lexington Children's Center	115 East 98 Street
11	Lexington Children's Center 2	183 East 98 Street
12	Union Washington Children's Center	1893 Second Avenue
13	Holmes Towers-Eisman Day Nursery	1794 First Avenue
14	Abc Merricat's Castle	316 East 88 Street
15	Rhinelanders Children's Aide Society	350 East 88 Street
16	Park Avenue Methodist Church DD School	106 East 86 Street
17	The Spence School	22 East 91 Street
18	The Nightingale Bamford School	20 East 92 Street
19	La Seuola Ditalia G School	12 East 96 Street
20	Manhattan Country School	7 East 96 Street
21	St. Bernard School	4 East 95 Street
22	Children's Aid Society East Harlem Center HS	130 East 101 Street
23	Metro North Day Care Center	304 East 102 Street
24	Booker T. Washington Learning	325 East 101 Street
25	Addie Mae Collins Community Service HS	345 East 101 Street

2.1.2 Topography

The Site is generally level, with surface elevations ranging from $\pm 56^1$ feet (ft) to 58 ft. The topography of the Site and surrounding area slopes gently to the east towards the East River, which is located approximately 1,500 feet east of the Site.

2.1.3 Surface Water and Drainage

There are no stormwater drains on the Site. Infiltration of on-site precipitation to the water table is minimal due to the building at the Site. The majority of runoff drains to city sewers, then to one of the several wastewater treatment plants that serve the city. Rainwater that does infiltrate the ground is de minimis in quantity as the Site is predominantly covered with relatively impermeable cover.

2.2 Geologic Conditions

2.2.1 Regional Geology

Soil and bedrock stratigraphy throughout Manhattan typically consists of a layer of historic fill that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. Based on a review of the Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York and Parts of Bergen and Hudson Counties New Jersey, by Charles A. Baskerville, dated 1994, the Site is underlain by bedrock of the Cambrian Manhattan Schist formation, which consists of interbedded mica schist, gneiss, quartz, and amphibolite.

2.2.2 Site Geology

Geological surface features (e.g., rock outcroppings) have not been observed at the Site. Based on the July 2007 Phase II ESI prepared by D&B, the generalized stratigraphy underlying the Site was previously composed of historic urban fill material predominately characterized as gray silt and clay with brick fragments in the approximate upper 10 feet, underlain by native fine sand with trace fine gravel from approximately 10 to 20 ft bgs, underlain by weathered schistose bedrock. Excavation for the site-wide basement of the new building extends to approximately 10 to 12 ft bgs. The basement subgrade is within native sand.

¹ Borough of Manhattan Datum, which is 2.75 feet above the Mean Sea Level at Sandy Hook, New Jersey, 1929 U.S. Geological Survey National Geodetic Vertical Datum (NGVD, 1929).

2.3 Hydrogeologic Conditions

2.3.1 Regional Hydrogeology

The “hydrologic cycle” describes the movement of water through the environment, including the air, ground and surface water bodies. Within the ground, water (“groundwater”) is contained within the unconsolidated geologic materials and fractured bedrock. The upper surface of the groundwater reservoir is marked by the water table surface, which fluctuates seasonally, in response to precipitation events and tides (along shorelines). The overburden deposits typical to the project area can have low to moderate hydraulic conductivities. The bedrock is relatively impermeable except where concentrations of fractures, faults or joints are present. Preferential flow occurs through the more permeable zones of the overburden, such as individual sand or gravel layers, and through bedrock fractures and joints. Groundwater in Manhattan is not used as a potable (drinking) water source. Residents of Manhattan receive their drinking water supply from surface reservoirs located in upstate New York.

Based on topography, the inferred regional groundwater flow direction for the area surrounding the Site is to the east towards the East River.

2.3.2 Site Hydrogeology

Groundwater underlying the Site ranged from approximately 11.09 to 12.45 ft bgs (el 44.71ft to el 46.16ft), based on the September 25, 2012 gauging of on- and off-site wells. Groundwater is estimated to be 1 to 2 feet below the current basement grade. Groundwater elevation data are summarized in Table 1. A groundwater elevation iso-contour map based on representative groundwater elevations recorded from the monitoring wells is provided as Figure 3. Groundwater at the Site flows from west to east towards the East River.

Wetlands on or near the Site were evaluated by reviewing the National Wetlands Inventory and NYDEC regulated wetlands. There are no wetlands on or adjacent to the Site. The nearest wetland to the Site is the East River, approximately 1,500 feet east of the Site.

3.0 SITE BACKGROUND

3.1 Site Developmental History

Available Sanborn Fire Insurance Maps from 1896 to 2005 indicate that the Site was developed as early as 1939 with a gasoline filling station. NYSDEC records indicate that seven USTs for leaded and unleaded gasoline were present on the Site up until early 1990, at which time the tanks were pumped out and removed. Based on a review of the NYSDEC database, the tanks were administratively closed in September 1996. Prior to the Volunteer taking ownership, the Site was used as a farmer's market from 1993 to 2006.

The Volunteer purchased the property in December 2006 and shortly thereafter engaged consultants to prepare geotechnical and environmental investigations in advance of site redevelopment activities. Among the investigations conducted were the Phase I ESA Report and Phase II ESI Report prepared by D&B in April and July 2007, respectively. The field investigations included a geophysical survey to verify that no anomalies that might indicate the presence of USTs were present at the Site. The geophysical survey did not identify USTs.

Excavation at the Site for development of the new five-story townhouse with penthouse and full basement began in October 2011. On October 17, 2011, petroleum-contaminated soil was encountered during excavation and NYSDEC Spill No. 11-08991 was reported. In January 2012, during site development excavation activities, an approximately 215-gallon tank was discovered in the northwestern corner of the Site. The tank contained no dispensing line. The tank did not leak its contents and the soils beneath and surrounding the tank were not impacted by petroleum constituents. This tank was not one of the seven 550-gallon gasoline USTs that was closed prior to Volunteer's purchase of the property. The superstructure for a new five-story townhouse is constructed, however construction stopped before completing core and shell work. Excavation for the basement extends to approximately 10 to 12 feet below grade surface (ft bgs); there is presently no basement slab in place. Construction activities at the Site are currently halted.

3.2 Previous Investigation Reports

Environmental reports prepared for the Site include the following. Copies of the previous reports are provided in Appendix A:

- Phase I ESA Report, dated April 2007, prepared by D&B;
- Phase II ESI Report, dated July 2, 2007, prepared by D&B;
- Soil SAR, dated February 20, 2012, prepared by EMC; and

- Soil & Groundwater SAR, dated April 24, 2012, prepared by EMC.

Below is a summary of each report:

3.2.1 Phase I Environmental Site Assessment, April 2011

The Phase I ESA provides an evaluation of potential environmental concerns relating to hazardous materials and wastes at the Site and surrounding properties. The Phase I ESA was conducted in general accordance with the ASTM Standard (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process). The Phase I ESA included a site inspection; interviews with the owner and building superintendent of the adjoining properties; a review of historical information sources (i.e., Sanborn fire insurance maps, aerial photographs, topographic maps); and a review of local, tribal, state and federal environmental databases. The Phase I ESA identified the following on- off-site recognized environmental conditions (RECs):

- The Site was historically used as a gasoline station between the 1930s and 1980s. NYSDEC records indicate that seven gasoline USTs were present on the Site and administratively closed in 1996.
- The adjoining properties to the northwest and southwest of the Site were previously used as, or were occupied by, dry cleaning facilities.

3.2.2 Phase II Environmental Site Investigation, July 2007

The Phase II ESI was completed to evaluate potential impacts from the RECs identified by the Phase I ESA. D&B implemented the Phase II Investigation on May 11, 2007 and included a geophysical survey, installation of three soil borings ranging from 16 to 37 ft bgs, and collection of 3 grab soil samples collected at depths ranging from 4 to 11 ft bgs. The soil samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC) and metals by Spectrum Analytical, Inc. (Spectrum) (formerly Mitkem Corporation); a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory located in Warwick, Rhode Island. Results were compared to NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCO), the applicable standard at the time. The Phase II findings included the following:

- The subsurface soil profile generally consisted of historic urban fill material predominately characterized as gray silt and clay with brick fragments in the approximate upper 10 feet, underlain by fine sand with trace fine gravel from approximately 10 to 20 ft bgs, underlain by weathered schistose bedrock. Groundwater was not encountered.

- The geophysical survey did not identify significant anomalies to indicate the presence of USTs at the Site. A few minor anomalies, low response intensities in areas less than one square foot, were detected in the northeast corner of the Site.
- Strong petroleum odors, as well as occasional black-stained zones, were encountered in the material above the weathered bedrock in the soil borings.
- RSCO exceedances of VOCs, including benzene, toluene, ethylbenzene and total xylenes (BTEX), were detected in the samples. One SVOC, naphthalene, exceeded the RSCO in the westernmost boring sample. Four metals (copper, iron, nickel, and zinc) exceeded the RSCOs.

3.2.3 Soil Sample Analysis Report, February 2012

The Soil SAR was completed to summarize the results of the endpoint soil samples collected at the base of the site-wide cellar excavation. Six endpoint soil samples were collected at depths ranging from approximately 10 to 12 ft bgs and analyzed for VOCs and SVOCs by Phoenix Environmental Laboratories, Inc. (Phoenix), a NYSDOH ELAP-certified laboratory located in Manchester, Connecticut. Soil analytical data was compared with NYSDEC TAGM RSCOs. Report findings were as follows:

- SVOCs were not detected in endpoint soil samples at concentrations exceeding the RSCOs.
- Elevated concentrations of VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, n-propyl benzene, sec-butylbenzene, toluene, and total xylenes were detected at concentrations above the TAGM RSCOs in soil samples collected from five of the six endpoint soil samples.

3.2.4 Soil & Groundwater Sample Analysis Report, April 2012

The Soil & Groundwater SAR was completed to characterize soil and groundwater at the Site. The field investigation included the installation of one soil boring and one groundwater monitoring well within the basement of the Site and three soil borings and three groundwater monitoring wells along the Site sidewalks. A total of 11 grab soil samples and four groundwater samples were collected and analyzed for VOCs and SVOCs by Phoenix. Soil samples were collected from shallow fill material and from the groundwater interface. Soil analytical data was compared with New York Codes, Rules and Regulations (NYCRR) Title 6 Part 375 (6 NYCRR Part 375) Unrestricted Use Soil Cleanup Objectives (SCO) and groundwater analytical data was compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards (AWQS). Report findings and conclusions were as follows:

- VOCs and SVOCs were not detected at concentrations exceeding the SCOs for the soil samples collected from the basement soil boring.
- Elevated concentrations of VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, naphthalene, n-propyl benzene, toluene, and total xylenes were detected at concentrations above the SCOs in soil samples collected from the sidewalk soil borings (depths ranging from 8 to 15 ft bgs). One SVOC, naphthalene, was detected above its SCO in sidewalk soil boring SB-3 (depth of 8 to 10 ft bgs).
- Elevated concentrations of VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, sec-butylbenzene, toluene, and total xylenes were detected at concentrations above the AWQS in the groundwater samples. One SVOC, naphthalene, was also detected above its AWQS in the groundwater samples.

3.3 Summary of Area of Concern (AOC)

Based on site observations, development history and the findings of the previous environmental reports, the following area of concern (AOC) has been identified on the Site:

- **Known Petroleum Release** – Site soil and groundwater have been impacted by a petroleum (gasoline) release related to former use as a gasoline filling station as evidenced by analytical data exceedances and observation of petroleum staining and odor.

4.0 FIELD INVESTIGATIONS

Field investigations to determine the nature and extent of contamination included investigations conducted by D&B, EMC, and Langan. This Section summarizes investigation activities and provides data validation methodology for all investigation analytical data.

4.1 Investigation Summary

Sampling methodology and rationale for the investigations completed by D&B and EMC (Phase II ESI, Soil SAR, and Soil & Groundwater SAR) are presented in the previous reports provided in Appendix A. In addition, Table 2 provides a summary of the methodology, rationale, and the respective laboratory analytical parameters for each soil and groundwater sample collected. Boring, endpoint sample, and monitoring well locations from the three investigations are shown on Figure 2. Groundwater elevation data obtained during Langan's site inspection and well gauging are summarized in Table 1. A groundwater elevation iso-contour map based on representative groundwater elevations recorded from the monitoring wells is provided as Figure 3.

A summary of the tasks performed as part of the field investigations are described herein.

The July 2007 Phase II ESI included the following activities:

- A geophysical investigation of the Site to identify potential UST locations;
- Advancement of three soil borings on the Site (B1 through B3) to depths ranging from 16 to 37 ft bgs;
- Visual and photoionization detector (PID) screening of soil and collection of soil samples from each boring for laboratory analysis; and
- Collection of three grab soil samples for laboratory analysis at depths ranging from 4 to 11 ft bgs.

The February 2012 Soil SAR included the following activities:

- Collection of six endpoint soil samples (BS-1 through BS-6) for laboratory analysis from the base of the cellar excavation (depths ranging from approximately 10 to 12 ft bgs).

The April 2012 Soil & Groundwater SAR included the following activities:

- Advancement of one soil boring (SB-B) and the installation of one groundwater monitoring well (MW-B) within the basement of the Site;

- Advancement of three soil borings (SB-1 through SB-3) and the installation of three groundwater monitoring wells (MW-1 through MW-3) along the sidewalk of the Site;
- Visual and PID screening of soil;
- Collection of two grab soil samples for laboratory analysis from the basement boring at depths ranging from 16 to 22 ft bgs;
- Collection of nine grab soil samples for laboratory analysis from the sidewalk borings at depths ranging from 0 to 14 ft bgs; and
- Collection of one groundwater sample for laboratory analysis from each well.

The September 2012 site inspection performed by Langan included the following activities:

- Survey and gauging of the on- and off-site groundwater monitoring wells.

4.2 Data Validation

The analytical data generated during previous investigations was validated by Langan. The following presents a discussion of validation activities. The results of the data validation review are summarized in Section 5.4.

April 2007 Phase II ESI

Upon receipt of final Analytical Services Protocol (ASP) Category B laboratory reports from Spectrum, copies of the reports were shipped to EnviroAnalytics, LLC (EnviroAnalytics), in Utica, New York, for data validation. Data validation was performed in accordance with the EPA validation guidelines for organic and inorganic data review. Data validation was completed for all laboratory reports designated by Spectrum as sample delivery group (SDG) F0609.

February 2012 Soil SAR

Upon receipt of final ASP Category B laboratory reports from Phoenix, copies of the reports were shipped to EnviroAnalytics for data validation. Data validation was performed in accordance with the EPA validation guidelines for organic and inorganic data review for Phoenix SDG GBB42286.

February 2012 Soil & Groundwater SAR

Upon receipt of final ASP Category B laboratory reports from Phoenix, copies of the reports were shipped to EnviroAnalytics for data validation. Data validation was performed in accordance with the EPA validation guidelines for organic and inorganic data review for Phoenix SDGs GBB57215, GBB59659, GBB71497, and GBB71379.

4.2.1 Data Usability Summary Report Preparation

EnviroAnalytics prepared a data usability summary report (DUSR) for each SDG; which was reviewed by the Quality Assurance Officer (QAO) before issuance. The DUSR presents the results of data validation, including a summary assessment of laboratory data packages, sample preservation and COC procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. For each of the organic analytical methods, the following were assessed:

- Holding times;
- Instrument tuning;
- Instrument calibrations;
- Blank results;
- System monitoring compounds or surrogate recovery compounds (as applicable);
- Internal standard recovery results;
- MS and MSD results;
- Target compound identification;
- Chromatogram quality;
- Pesticide cleanup (if applicable);
- Compound quantization and reported detection limits;
- System performance; and
- Results verification.

For each of the inorganic compounds, the following were assessed:

- Holding times;
- Calibrations;
- Blank results;
- Interference check sample;
- Laboratory check samples;
- Duplicates;
- Matrix Spike;
- Furnace atomic absorption analysis QC;
- ICP serial dilutions; and

- Results verification and reported detection limits.

Based on the results of data validation, the validated analytical results reported by the laboratory are assigned one of the following usability flags:

- "U" - Not detected at given value;
- "UJ" - Estimated not detected at given value;
- "J" - Estimated value;
- "R" - Result not useable; and
- No Flag - Result accepted without qualification.

5.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

This section summarizes the comprehensive field observations and laboratory analytical results for samples collected on and off the Site during the Phase II ESI, Soil SAR, and Soil & Groundwater SAR. Soil analytical results are compared to the Part 375 Track 1 Unrestricted Use SCOs and groundwater analytical results are compared to the NYSDEC AWQS for Class GA groundwater. The nature and extent of the on- and off-site contamination are discussed separately in Section 7.0.

On-Site investigations include the following:

- Phase II ESI – three soil borings
- Soil SAR – six endpoint grab soil sample locations
- Soil & Groundwater SAR – one soil boring and one monitoring well

Samples collected from these investigation locations include:

- Soil
 - Phase II ESI - three samples analyzed for VOCs, SVOCs, and metals
 - Soil SAR - six samples analyzed for VOCs and SVOCs
 - Soil & Groundwater SAR - two samples analyzed for VOCs and SVOCs
- Groundwater
 - Soil & Groundwater SAR - one sample analyzed for VOCs and SVOCs

No soil vapor samples were collected at the Site; however, samples cannot be collected due to the current depth to groundwater. The current cellar excavation is approximately 10 to 12 feet below sidewalk grades and groundwater is approximately 1 to 2 feet below the cellar grade. Impacted soil vapor will be assumed to be present and mitigation will be part of the remedy.

Off-Site investigation included the following:

- Soil & Groundwater SAR – three soil borings and three monitoring wells

Samples collected from these investigation locations include:

- Soil – nine samples analyzed for VOCs and SVOCs
- Groundwater - three samples analyzed for VOCs and SVOCs

A description of the soil and groundwater sample locations is provided in Table 2. Summary tables for soil and groundwater data collected during the Phase II ESI, Soil SAR, and Soil & Groundwater SAR are presented in the previous reports provided in Appendix A.

The following sections describe the field observations and analytical data associated with the Phase II ESI, Soil SAR, and Soil & Groundwater SAR.

5.1 Geology and Hydrology

Provided below is a description of the Site geology and hydrology. For the geologic description, the stratigraphic layers represent the Site subsurface prior to the basement excavation. Excavation for the site-wide basement of the new five-story plus penthouse townhouse building was completed in February 2012. The current basement grade is 10 to 12 feet below grade and within the native sand layer at the Site.

5.1.1 Geology

Based on the July 2007 Phase II ESI prepared by D&B, the generalized stratigraphy underlying the Site was composed of historic urban fill material predominately characterized as gray silt and clay with brick fragments in the approximate upper 10 feet, underlain by fine sand with trace fine gravel from approximately 10 to 20 ft bgs, underlain by weathered schistose bedrock.

5.1.2 Hydrology

Groundwater underlying the Site ranged from approximately 11.09 to 12.45 ft bgs (el 44.71ft to el 46.16ft) based on gauging of on- and off-site wells on September 25, 2012. Groundwater elevation data recorded are summarized in Table 1. A groundwater elevation iso-contour map based on representative groundwater elevations recorded from Site monitoring wells is provided as Figure 3. Groundwater at the Site flows from west to east towards the East River.

5.2 Soil Findings

5.2.1 Site Field Observations

Petroleum impacts, including odors, staining, and PID readings above background levels, were observed in all four soil borings advanced at the Site (B1, B2, B3, and SB-B). PID readings above background levels were recorded throughout boring SB-B at concentrations ranging from 19.5 to 445 parts per million (ppm), with the highest reading recorded at a depth of 16 to 18 ft bgs.

5.2.2 Off-Site Field Observations

The April 2012 Soil & Groundwater SAR did not contain soil boring logs or include a characterization of subsurface materials based on soil type, grain size, texture, moisture content, or the presence of petroleum-impacted material. However, the report details PID readings above background levels in all three off-site borings locations (SB-1, SB-2, and SB-3). PID readings ranged from 3.5 to 1,103 ppm, with the highest reading recorded in SB-2 at a depth of 10 to 12 ft bgs.

5.2.3 Site Analytical Results

Three soil samples were collected and analyzed for VOCs, SVOCs, and TAL metals during the Phase II ESI; six soil samples were collected and analyzed for VOCs and SVOCs during the Soil SAR; and two soil samples were collected and analyzed for VOCs and SVOCs during the Soil & Groundwater SAR. Summaries of laboratory detections for soil samples collected during the Phase II ESI, Soil SAR, and Soil & Groundwater SAR are provided in previous reports included in Appendix A. Soil SCO exceedances for samples collected during the three investigations are shown on Figure 4. Full laboratory reports for these investigations are also included in Appendix A. The following is a summary of SCO exceedances organized by analytical parameter and divided by investigation.

VOCs

April 2007 Phase II ESI

Four VOCs were reported at concentrations exceeding the SCOs in soil samples collected from borings B-1 through B-3. Compounds exceeding the SCOs included the following petroleum-related compounds: benzene, toluene, ethylbenzene, and total xylenes.

February 2012 Soil SAR

Seven VOCs were reported at concentrations exceeding the SCOs in soil samples collected from endpoint soil samples locations BS-1, BS-2, BS-4, BS-5, and BS-6. Compounds exceeding the SCOs included the following petroleum-related compounds: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, n-propyl benzene, sec-butylbenzene, toluene, and total xylenes.

April 2012 Soil & Groundwater SAR

No VOC exceedances.

SVOCs

April 2007 Phase II ESI

One SVOC, naphthalene, exceeded the SCO in a soil sample collected from boring B1 at a depth of 4 to 6 ft bgs.

February 2012 Soil SAR

No SVOC exceedances.

April 2012 Soil & Groundwater SAR

No SVOC exceedances.

Metals

April 2007 Phase II ESI

No metal exceedances.

5.2.4 Off-Site Analytical Results

Nine soil samples were collected and analyzed for VOCs and SVOCs during the Soil & Groundwater SAR. Summaries of laboratory detections and full laboratory reports for soil samples collected during the investigation are provided in Appendix A. Soil SCO exceedances for samples collected during the investigation are shown on Figure 4. The following is a summary of SCO exceedances organized by analytical parameter.

VOCs

April 2012 Soil & Groundwater SAR

Seven VOCs were reported at concentrations exceeding the SCOs in soil samples collected from borings SB-1 and SB-3 at depths of 8 to 10 ft bgs. Compounds exceeding the SCOs included the following petroleum-related compounds: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, naphthalene, n-propyl benzene, toluene, and total xylenes. Total xylenes was also detected above its SCO in soil samples collected from boring SB-2 (10 to 12 ft bgs) and SB-3 (10 to 12 ft bgs and 14 to 15 ft bgs). No other VOCs were detected in soil samples collected during this investigation.

SVOCs

April 2012 Soil & Groundwater SAR

One SVOC, naphthalene, was detected at a concentration equal to its SCO in sidewalk soil boring SB-3 at a depth of 8 to 10 ft bgs.

5.3 Groundwater Findings

5.3.1 Field Observations

Groundwater underlying the Site ranged from approximately 11.09 to 12.45 ft bgs (el 44.71ft to el 46.16ft), based on gauging of on- and off-site wells on September 25, 2012. Groundwater elevation data are summarized in Table 1. A groundwater elevation iso-contour map based on representative groundwater elevations recorded from the monitoring wells is provided as Figure 3. Groundwater at the Site flows from west to east towards the East River. No free product was observed.

5.3.2 Site Analytical Data

One groundwater sample was collected from the monitoring well MW-B and analyzed for VOCs and SVOCs during the Soil & Groundwater SAR. A summary of the Soil & Groundwater SAR groundwater sample laboratory detections is provided in Appendix A. The Groundwater sample location and exceedances are presented in Figure 5. The following is a summary of AWQS exceedances organized by analytical parameter.

VOCs

April 2012 Soil & Groundwater SAR

Nine VOCs were reported at concentrations exceeding TOGS GA AWQS in the groundwater sample collected from MW-B. Compounds exceeding the AWQS included the following petroleum-related compounds: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propyl benzene, toluene, and total xylenes. Total BTEX was 637 micrograms per liter (µg/l) for MW-B.

SVOCs

April 2012 Soil & Groundwater SAR

One SVOC, naphthalene, exceeded the AWQS at monitoring well MW-B.

5.3.3 Off-Site Analytical Data

Three groundwater samples were collected from the three sidewalk monitoring wells and analyzed for VOCs and SVOCs during the Soil & Groundwater SAR. A summary of the Soil & Groundwater SAR groundwater sample laboratory detections is provided in Appendix A. Off-site groundwater sample locations and exceedances are presented in Figure 5. The following is a summary of AWQS exceedances organized by analytical parameter.

VOCs

April 2012 Soil & Groundwater SAR

Twelve VOCs were reported at concentrations exceeding TOGS GA AWQS in the groundwater samples collected from the three off-Site monitoring wells. Compounds exceeding the AWQS included the following petroleum-related compounds: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propyl benzene, p-isopropyltoluene, sec-butylbenzene, toluene, and total xylenes. Total BTEX was 6,200 µg/l, 31,100 ug/l, and 23,530 ug/l for MW-1, MW-2, and MW-3, respectively.

SVOCs

April 2012 Soil & Groundwater SAR

One SVOC, naphthalene, exceeded the AWQS at all three off-Site wells.

5.4 Data Usability

Data validation was performed by EnviroAnalytics in accordance with the EPA validation guidelines for organic and inorganic review. Category B laboratory reports were provided by Spectrum for the Phase II ESI and Phoenix for the Soil SAR and Soil & Groundwater SAR. The reports were forwarded to EnviroAnalytics for all samples collected during the ESI, Soil SAR, and Soil & Groundwater SAR. The results of the data validation review are summarized below. Copies of the DUSRs are provided in Appendix L.

5.4.1 Data Validation Results

Inorganic (Metals) Analysis

The inorganics analyses data were determined to be usable for qualitative and quantitative purposes with minor qualification. Sample results for several analytes were qualified based on deviations from laboratory duplicate and matrix spike recovery criteria.

Volatile Organics Analysis

The volatile organics analyses data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from method blank analysis, initial calibration, continuing calibration, laboratory control sample analysis, matrix spike sample analysis, surrogate recovery, and internal standard recovery criteria.

Semivolatile Organics Analysis

The semivolatile organics analyses data were determined to be usable for qualitative and quantitative purposes with the exception of 23.7 percent of the data which were rejected due

to calibration, laboratory control sample recovery, matrix spike recovery, internal standard recovery, and surrogate recovery deviations. Additional qualification of data was required for method blank analysis deviations. The results of the semivolatile organics data validation analysis does not change any of the conclusions drawn from the previous investigation data.

6.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

6.1 Human Health Exposure Assessment

Human health exposure risk was evaluated for both current and future on- and off-site conditions, in accordance with the May 2010 NYSDEC Final DER-10 Technical Guidance for Site Investigation and Remediation. The assessment includes an evaluation of potential sources and migration pathways of site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

Site Setting

Current Conditions

The superstructure for a new five-story plus penthouse townhouse building is complete, but the basement slab has not yet been poured. Excavation for the basement extends to approximately 10 to 12 ft bgs. The new building occupies the entire site footprint.

Proposed Conditions

The proposed development will include the completion of the townhouse residential building with a finished basement, with frontage on Third Avenue and East 94th Street. The basement slab will be installed on top of a waterproofing/vapor barrier membrane. The basement will be used for mechanical rooms, tenant storage, and residential accessory spaces. Each floor will be used for residential units and the penthouse will likely include a terrace.

Summary of Environmental Conditions

The analytical data obtained during the Phase II ESI, Soil SAR, and Soil & Groundwater SAR for soil and groundwater (the exposure media) was evaluated in Section 5.0. Soil contaminants of concern (COCs) at on- and off-site sampling locations include VOCs. One SVOC, naphthalene, exceeded the SCO in the one on-Site soil sample collected at a depth of 4 to 6 ft bgs. However, the material represented by this soil sample was removed as part of the excavation and construction activities associated with the redevelopment of the Site. Naphthalene was also detected at a concentration equal to its SCO in one off-Site soil boring at a depth of 8 to 10 ft bgs. Concentrations of soil VOCs were highest among the samples collected at or around 10 ft bgs. Groundwater COCs include several VOCs and one SVOC (naphthalene) at both the on- and off-site monitoring wells. Soil vapor petroleum VOC impacts are assumed.

Conceptual Site Model

A conceptual site model has been developed based on the findings of the Phase II ESI, Soil SAR, and Soil & Groundwater SAR. The purpose of the conceptual site model is to develop a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways, as discussed below.

Potential Sources of Contamination

Potential sources of contamination at the Site have been identified in Section 3.3 based on previously completed investigations. The source of contamination was identified as a petroleum (gasoline) release related to former use as a gasoline filling station as evidenced by analytical data exceedances and observation of petroleum staining and odor.

Exposure Media

The impacted media include soil, soil vapor and groundwater. A historic petroleum release has been observed (staining, odor) and analytical data shows petroleum-related VOC and SVOC concentrations. A review of soil and groundwater data is provided in Section 7.0 (Nature and Extent of Contamination). Because VOCs are present at elevated concentrations in soil and groundwater, there is potential for vapors to accumulate under the proposed building slab; because the foundation will be above the groundwater table.

Receptor Populations

The entire footprint to the Site is currently occupied by the superstructure for the new five-story plus penthouse townhouse residential building. During site development, human receptors are limited to construction and remediation workers, authorized guests visiting the Site and the public adjacent to the Site. Under future conditions, receptors will include the new building occupants, tenants, workers, and visitors to the residential properties including children.

Potential Exposure Pathways – On-Site

Current Conditions

Soil at the Site has primarily been contaminated with VOCs. Human exposure to contaminated soil is possible within the basement of the Site and the potential migration pathway is likely complete for dermal absorption, inhalation and ingestion. Activity is limited to authorized workers and guests.

Groundwater is contaminated with VOCs and SVOCs (naphthalene). The contamination in monitoring wells MW-B, MW-1, MW-2, and MW-3 is presumed to be related to a historic petroleum release at the Site. Based on groundwater elevations obtained during the remedial

investigation, groundwater appears to flow primarily east across the Site. Because groundwater in New York City is not used as a potable water source, there is no completion of the exposure pathway under current site conditions.

Construction/Remediation Condition

Construction and remediation activities at the Site may result in potential exposures to Site contaminants. Soil has primarily been contaminated with VOCs. Construction and remedial activities include installation of foundation components and the potential for removal of impacted soil during remediation activities. Therefore, the potential exists for exposure of soil COCs to construction and remediation workers via dermal absorption, ingestion, and inhalation of particulate matter. In addition, activities may result in exposure to the public adjacent to the Site through potential generation and off-site migration of dust containing Site COCs.

Site groundwater has been contaminated with VOCs and SVOCs. Groundwater may be encountered during excavation activities by workers, and there is potential for exposure to groundwater COCs for construction workers via dermal absorption, ingestion, or inhalation.

The potential exists for exposure to potentially contaminated soil vapor for construction and remediation workers via inhalation. Activities may also result in exposure to the public adjacent to the Site through volatilization of vapors into the air and potential off-site migration.

Proposed Future Conditions

The proposed development will include residential use. Upon completion of the new development, the entirety of the Site will be capped with the concrete building basement slab/foundation with a waterproofing/vapor barrier. This barrier will prevent direct human exposure to impacted soil and groundwater that may be left in place.

The presence of VOCs in the soil and groundwater creates potential for VOC vapors to volatilize and potentially accumulate in the proposed building and impact future users. Points of exposure include potential cracks in the foundation of the proposed development. Routes of exposure may include inhalation of vapors entering the building.

There is no risk of ingesting groundwater COCs, since the Site and surrounding areas obtain their drinking water supply from surface water reservoirs located upstate and not from groundwater; therefore, the groundwater will not be pumped from wells or intended for consumption. In addition, petroleum-impacted groundwater at the Site will be treated with a chemical oxidant during excavation and remediation, thus reducing COC concentrations.

Potential Exposure Pathways – Off-Site

Soil and Groundwater

VOC and SVOC impacts to the soil and groundwater have been identified in the sidewalk area adjacent to the Site. Impacts are attributed to the historic petroleum release identified at the Site or other potential off-site sources.

Impacted Site soils have a very low potential to be transported off-site by wind in the form of dust or on the tires of vehicles or equipment leaving the Site during development and remediation activities because all of the exposed soils are below grade and not accessible to vehicles. Off-site soils are capped by concrete and asphalt making exposure pathways incomplete. Off-site groundwater is not a source of drinking water making exposure pathways incomplete.

The potential off-site migration of site contaminants is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- Air monitoring will be conducted for particulates (i.e., dust) and VOCs during all intrusive activities as part of a community air monitoring program. Dust and/or vapor suppression techniques will be employed to limit potential for off-site migration of site soils and vapors.
- Vehicle tires and undercarriages will be washed as necessary prior to leaving the Site to prevent tracking material off-site.
- The Site is located in a highly urbanized area with continuous impervious surface covering.
- Groundwater in New York City is not used as a potable water source.

Soil Vapor

There is a potential exposure pathway for off-site soil vapor via intrusion into occupied buildings adjacent to the Site. Sub-slab soil vapor and indoor air samples will likely be collected within the properties adjacent to the Site, as feasible, to further evaluate potential off-site exposure pathways. Measures to mitigate soil vapor intrusion would include a vapor barrier membrane and a sub-membrane depressurization (SMD) system.

Evaluation of Human Health Exposure

Based upon the conceptual site model and review of environmental data, potentially complete on-site and off-site exposure pathways appear to be present based on the current, construction and remediation, and future conditions. The complete exposure pathways indicate there is a risk of exposure to humans from site contaminants via exposure to soil, soil vapor, and groundwater.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the Site is provided below.

On-Site Current Conditions

Contaminant sources include the on-site petroleum-impacted soil and groundwater. Contaminant release and transport mechanisms include contaminated soil transported as dust and volatilization of contaminants from the soil and groundwater matrices to the soil vapor phase, and existing soil vapor contaminants. Under current conditions, the likelihood of exposure to humans is limited, as the work in the basement has halted. Where basement entry is required for inspection, all five elements exist; therefore, potentially complete exposure pathways are present. However, the risk can be minimized by applying appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining site security, and wearing the appropriate personal protective equipment.

Potential exposures would be of short duration limited only to intrusive activities. In accordance with a Health and Safety Plan and a Community Air Monitoring Plan, measures such as conducting an air-monitoring program, donning personal protective equipment, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

On-Site Construction/Remediation Activities

During development and remediation activities, points of exposure include disturbed and exposed contaminated soil during excavation, contaminated dust and organic vapors arising from the excavation activities, and contaminated groundwater that may be encountered during remedial operations. Routes of exposure include ingestion and dermal absorption of contaminated soil and groundwater, inhalation of organic vapors from contaminated soil and groundwater, and inhalation of dust from contaminated soil disturbance. The receptor

population includes the construction and remediation workers and, to a lesser extent, the public adjacent to the Site. All five elements exist; therefore, potentially complete exposure pathways are present. However, the risk can be minimized by applying appropriate health and safety measures, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, maintaining site security, and wearing the appropriate personal protective equipment.

Potential exposures would be of short duration limited only to intrusive activities. In accordance with a Health and Safety Plan, a Soil Management Plan, and a Community Air Monitoring Plan, measures such as conducting an air-monitoring program, donning personal protective equipment, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures would prevent completion of these potential migration pathways.

Proposed On-Site Future Conditions

Contaminant release and transport mechanisms include volatilization of contaminants from soil vapor or the groundwater matrix to the soil vapor phase. Points of exposure include potential cracks in the basement slab of the Site. Routes of exposure may include inhalation of vapors entering the building; these routes may not exist depending on the effectiveness of the remediation. The receptor population includes the building tenants, residential property employees, and visitors. The possible routes of exposure will be mitigated by proper installation of soil vapor mitigation measures.

Off-Site Conditions

Contaminant release and transport mechanisms include volatilization of contaminants from soil vapor or the groundwater matrix to the soil vapor phase. Points of exposure include potential cracks in the basement slab of buildings adjacent to the Site and the infrastructure (storm drains, sewers, and underground utility lines) that exists within the streets surrounding the Site. The Route of exposure may include inhalation of vapors entering the building. Additional off-site investigation would be required during the remedy to determine if off-site soil vapor intrusion is a potentially complete exposure pathway. The receptor population includes the building tenants, residential property employees, and visitors.

Human Health Exposure Assessment Conclusions

The following conclusions were developed from this human health exposure assessment:

1. There is a moderate risk of exposure during the current and construction and remediation activities. This risk can be minimized by following the appropriate health and safety, vapor and dust suppression, and site security measures.

2. The existence of a complete exposure pathway for Site contaminants to human receptors during proposed future conditions is unlikely, as a large quantity of contaminated soils has been excavated and disposal, petroleum-impacted groundwater at the Site will be treated with a chemical oxidant, and a continuous impervious site cap and SMD system will be installed below the building footprint. The potential pathway for soil vapor intrusion into the building would be addressed through the use of soil vapor intrusion mitigation measures.
3. Off-site exposure pathways may include inhalation of vapors entering the buildings adjacent to the Site. Additional off-site investigation would be required during the remedy to determine if off-site soil vapor intrusion is a potentially complete exposure pathway.

6.2 Fish and Wildlife Exposure Assessment

NYSDEC DER-10 requires an on- and off-site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. Based on the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, there was no need to prepare an FWRIA for the Site. A completed form of DER-10 Appendix 3C is enclosed in this addendum as Appendix C.

7.0 NATURE AND EXTENT OF CONTAMINATION

This Section evaluates the nature and extent of soil and groundwater and contamination on and off the Site. The nature and extent of the contamination is derived from a combination of field observations and analytical data that were discussed in Section 5.0.

7.1 On-Site Soil Contamination

VOC Contamination

VOC exceedances of Unrestricted Use SCOs were reported in Site soil samples collected from Phase II ESI borings B1, B2, and B3 (July 2007) and Soil SAR endpoint soil samples BS-1, BS-2, BS-4, BS-5, and BS-6 (February 2012). Sample locations and exceedances are shown on Figure 4. Compounds exceeding the SCOs included the following petroleum-related compounds:

- 1,2,4-trimethylbenzene (11 to 53 milligrams per kilogram [mg/kg] compared to SCO of 3.6 mg/kg)
- 1,3,5-trimethylbenzene (8.8 to 17 mg/kg compared to SCO of 8.4 mg/kg)
- benzene (0.14 mg/kg compared to SCO of .06 mg/kg)
- ethylbenzene (3.9 to 32 mg/kg compared to SCO of 1 mg/kg)
- n-propyl benzene (5.6 to 7.5 mg/kg compared to SCO of 3.9 mg/kg)
- sec-butylbenzene (29 mg/kg compared to SCO of 11 mg/kg)
- toluene (3.7 to 8.1 mg/kg compared to SCO of 0.7 mg/kg)
- total xylenes (11 to 78 mg/kg compared to SCO of .26 mg/kg)

Total BTEX was highest in the sample collected from soil boring B1 at a depth of 4 to 6 ft below sidewalk grade (118 mg/kg). However, the material represented by this soil sample was removed as part of the excavation and construction activities associated with the redevelopment of the Site. The highest total BTEX concentration representing soil remaining at the Site was 81.2 mg/kg (no benzene detected) and was from endpoint soil sample BS-5 (10 to 12 ft below sidewalk grade) located in the eastern portion of the Site.

Petroleum-related VOC exceedances in soil were previously observed between approximately 4 to 12 feet below sidewalk grade. No VOC exceedances were reported from the two soil samples collected during the Soil & Groundwater SAR (April 2012) from boring SB-B at depths below sidewalk grade of 16 to 18 ft and 20 to 22 ft. The highest residual soil PID reading was 445 ppm and was recorded in SB-B at a depth ranging from 16 to 18 ft bgs. Petroleum VOCs in the soil are assumed to be a source of soil vapor VOCs.

SVOC Contamination

One SVOC, naphthalene, was detected at a concentration of 18 mg/kg (exceeding its SCO of 12 mg/kg) in the soil sample collected from boring B1 at a depth of 4 to 6 ft below sidewalk grade. However, the material represented by this soil sample was removed as part of the excavation and construction activities associated with the redevelopment of the Site.

7.2 Off-Site Soil Contamination

VOC Contamination

VOC exceedances of Unrestricted Use SCOs were reported in off-site soil samples collected from Soil & Groundwater SAR soil borings SB-1, SB-2 and SB-3. Seven petroleum-related VOC compounds were reported at concentrations exceeding the SCOs in two soil samples collected from borings SB-1 and SB-3 at depths of 8 to 10 ft bgs. Sample locations and exceedances are shown on Figure 4. Compounds exceeding the SCOs included the following:

- 1,2,4-trimethylbenzene (38 to 56 mg/kg compared to SCO of 3.6 mg/kg)
- 1,3,5-trimethylbenzene (16 to 22 mg/kg compared to SCO of 8.4 mg/kg)
- ethylbenzene (9.2 to 13 mg/kg compared to SCO of 1 mg/kg)
- n-propyl benzene (9.8 to 11 mg/kg compared to SCO of 3.9 mg/kg)
- toluene (4.1 to 6.2 mg/kg compared to SCO of 0.7 mg/kg)
- total xylenes (42 to 74 mg/kg compared to SCO of 0.26 mg/kg)

Total xylenes was also detected above its SCO in soil samples collected from boring SB-2 (10 to 12 ft bgs) and SB-3 (10 to 12 ft bgs and 14 to 15 ft bgs) at concentrations of 1.28 mg/kg, 0.66 mg/kg, and 0.91 mg/kg, respectively. Petroleum VOCs in the soil are assumed to be a source of soil vapor VOCs.

7.3 On-Site Groundwater Contamination

VOC Contamination

The April 2012 Soil & Groundwater SAR sample collected from MW-B exhibited TOGS 1.1.1 AWQS exceedances of the following petroleum-related compounds:

- 1,2,4-trimethylbenzene (150 ug/l compared to AWQS of 5 ug/l)
- 1,3,5-trimethylbenzene (52 ug/l compared to AWQS of 5 ug/l)
- ethylbenzene (270 ug/l compared to AWQS of 5 ug/l)

- isopropylbenzene (40 ug/l compared to AWQS of 5 ug/l)
- naphthalene (48 ug/l compared to AWQS of 10 ug/l)
- n-butylbenzene (35 ug/l compared to AWQS of 5 ug/l)
- n-propyl benzene (120 ug/l compared to AWQS of 5 ug/l)
- toluene (47 ug/l compared to AWQS of 5 ug/l)
- total xylenes (320 ug/l compared to AWQS of 5 ug/l)

Total BTEX was 637 µg/l for MW-B. The sample location and exceedances are shown on Figure 5. Petroleum VOCs in the groundwater are assumed to be a source of soil vapor VOCs.

SVOC Contamination

One SVOC, naphthalene, was detected at a concentration of 49 ug/l (above its AWQS of 10 ug/l) in monitoring well MW-B.

7.4 Off-Site Groundwater Contamination

VOC Contamination

The April 2012 Soil & Groundwater SAR samples collected from MW-1, MW-2, and MW-3 exhibited TOGS 1.1.1 AWQS exceedances of the following petroleum-related compounds:

- 1,2,4-trimethylbenzene (1,100 to 4,200 ug/l compared to AWQS of 5 ug/l)
- 1,3,5-trimethylbenzene (500 to 1,200 ug/l compared to AWQS of 5 ug/l)
- benzene (430 to 1,500 ug/l compared to AWQS of 0.7 ug/l)
- ethylbenzene (720 to 4,000 ug/l compared to AWQS of 5 ug/l)
- isopropylbenzene (87 to 750 ug/l compared to AWQS of 5 ug/l)
- naphthalene (160 to 810 ug/l compared to AWQS of 10 ug/l)
- n-butylbenzene (74 to 480 ug/l compared to AWQS of 5 ug/l)
- n-propyl benzene (240 to 480 ug/l compared to AWQS of 5 ug/l)
- p-isopropyltoluene (150 ug/l compared to AWQS of 5 ug/l)
- sec-butylbenzene (280 ug/l compared to AWQS of 5 ug/l)
- toluene (900 to 6,500 ug/l compared to AWQS of 5 ug/l)
- total xylenes (3,080 to 19,100 ug/l compared to AWQS of 5 ug/l).

Total BTEX was highest in well MW-2 at 31,100 µg/l. Sample locations and exceedances are shown on Figure 5. Petroleum VOCs in the groundwater are assumed to be a source of soil vapor VOCs.

SVOC Contamination

One SVOC, naphthalene, was detected at concentrations ranging from of 160 to 1,900 ug/l (above its AWQS of 10 ug/l) in all three off-Site monitoring wells.

8.0 CONCLUSIONS

This RI Report presents a summary of environmental conditions and findings from previous environmental investigations including the July 2007 Phase II ESI, February 2012 Soil SAR, and April 2012 Soil & Groundwater SAR. The findings summarized herein are based on both qualitative data (field observations and instrumental readings), and laboratory analytical results of soil and groundwater samples collected during the Phase II ESI, Soil SAR, and Soil & Groundwater SAR. Findings and conclusions are as follows:

1. **Stratigraphy:** Excavation for the basement of a new five-story plus penthouse townhouse building which covers the entire footprint of the Site was completed in February 2012 and extended to approximately 10 to 12 ft bgs. The current basement subgrade extends into native sand. Based on the July 2007 Phase II ESI prepared by D&B, the generalized stratigraphy underlying the Site was previously composed of historic urban fill material predominately characterized as gray silt and clay with brick fragments in the approximate upper 10 feet, underlain by fine sand with trace fine gravel from approximately 10 to 20 ft bgs, underlain by weathered schistose bedrock.
2. **Groundwater** underlying the Site ranged from approximately 11.09 to 12.45 ft bgs (el 44.71ft to el 46.16ft) based on gauging of on- and off-site wells on September 25, 2012. Groundwater at the Site flows from west to east towards the East River. Groundwater is approximately 1 to 2 feet below the current basement sub-grade.
3. **Petroleum-Impacted Soil:** Site soil has been impacted by a petroleum release related to former use as a gasoline filling station as evidenced by analytical data exceedances and observation of petroleum staining and odor. The majority of petroleum-impacted material on the Site was removed during excavation for the development basement to a depth of 10 to 12 feet below sidewalk grade. Residual soil impacts on the Site are estimated to extend from basement grade to approximately 15 ft bgs. Off-site soil impacts extend down-gradient to the east.
4. **Groundwater Impacts:** Petroleum-related VOCs and SVOCs (naphthalene) were identified in groundwater at MW-B located within the basement of the Site. To a higher extent, petroleum-related VOCs and SVOCs (naphthalene) were also identified in the three down-gradient monitoring wells located along the sidewalk adjacent to the Site.
5. **Soil Vapor Impacts:** Petroleum-related VOCs are assumed to be present in the unsaturated subsurface as a result of the VOCs found in the soil and groundwater.
6. Sufficient analytical data has been gathered to establish site-specific soil cleanup levels and to develop a remedy for the Site. The remedy will be described and evaluated in a Remedial Action Work Plan (RAWP) prepared in accordance with NYS BCP guidelines.

The remedy for the Site will need to address petroleum-impacted soil, the potential for soil vapor intrusion, and groundwater impacted with VOCs and SVOCs.

9.0 CERTIFICATION

I, Joel B. Landes, certify that I am currently a NYS registered professional engineer and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



10.0 REFERENCES

1. Dvirka and Bartilucci Consulting Engineers, "Phase I Environmental Site Assessment Report", dated April 2007.
2. Dvirka and Bartilucci Consulting Engineers, "Phase II Environmental Site Investigation Report", dated July 2, 2007.
3. Environmental Maintenance Contractors, "Soil Sample Analysis Report", dated February 20, 2012.
4. Environmental Maintenance Contractors, "Soil & Groundwater Sample Analysis Report", dated April 24, 2012.
5. New York State Department of Health, Final Guidance for the Evaluation of Soil Vapor Intrusion in the State of New York, dated October 2006.
6. New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft Brownfield Cleanup Program Guide, dated May 2004.
7. New York State Department of Environmental Conservation, Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.
8. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998.
9. New York State Department of Environmental Conservation, Part 375 of Title 6 of the New York Compilation of Codes, Rules, and Regulations, Effective December 14, 2006.

TABLES

Table 2
Comprehensive Sample and Analysis Summary
Remedial Investigation Report
1676 Third Avenue
New York, New York
Langan Project No.: 170206301
Brownfield Cleanup Program No.: C231079

Sample Location No.	Sample ID	Sample Date	Matrix	Sample Type	Sample Depth (feet bgs)	Analysis	Rationale
ON-SITE SOIL SAMPLES							
B1	B1	5/11/2007	Soil	Grab	4 to 6	VOCx, SVOCx, and Metals	Evaluate potential RECs identified by the Phase I ESA
B2	B2	5/11/2007	Soil	Grab	9 to 11	VOCx, SVOCx, and Metals	Evaluate potential RECs identified by the Phase I ESA
B3	B3	5/11/2007	Soil	Grab	9 to 11	VOCx, SVOCx, and Metals	Evaluate potential RECs identified by the Phase I ESA
BS-1	BS-1	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
BS-2	BS-2	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
BS-3	BS-3	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
BS-4	BS-4	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
BS-5	BS-5	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
BS-6	BS-6	2/8/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Evaluate the nature and extent of soil impacts on-Site subsequent the basement excavation
SB-B	SBH-B	3/21/2012	Soil	Grab	16 to 18	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBC-B	3/21/2012	Soil	Grab	20 to 22	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
OFF-SITE SOIL SAMPLES							
SB-1	SBC-1	3/26/2012	Soil	Grab	0 to 2	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBH-1	3/26/2012	Soil	Grab	8 to 10	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBD-1	3/26/2012	Soil	Grab	12 to 14	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
SB-2	SBC-2	3/26/2012	Soil	Grab	0 to 2	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBH-2	3/26/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBD-2	3/26/2012	Soil	Grab	14 to 15	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
SB-3	SBH-3	3/27/2012	Soil	Grab	8 to 10	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBD-3	3/27/2012	Soil	Grab	10 to 12	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
	SBC-3	3/27/2012	Soil	Grab	14 to 15	VOCs and SVOCs	Determine the nature and extent of on- and off-Site impacts due to historical gasoline station.
ON-SITE GROUNDWATER SAMPLE							
MW-B	MW-B	4/11/2012	Groundwater	Grab	NA	VOCs and SVOCs	Determine presence and extent of groundwater impacts on-Site
OFF-SITE GROUNDWATER SAMPLES							
MW-1	MW-1	4/11/2012	Groundwater	Grab	NA	VOCs and SVOCs	Determine presence and extent of groundwater impacts off-Site
MW-2	MW-2	4/11/2012	Groundwater	Grab	NA	VOCs and SVOCs	Determine presence and extent of groundwater impacts off-Site
MW-3	MW-3	4/11/2012	Groundwater	Grab	NA	VOCs and SVOCs	Determine presence and extent of groundwater impacts off-Site

Notes:

1. NA = Not Applicable
2. bgs = Below grade surface
3. VOCs = Volatile organic compounds
4. SVOCs = Semivolatile organic compounds

Table 1
Groundwater Elevation Summary
Remedial Investigation Report
1676 Third Avenue
New York, New York
Langan Project No. 170206301
Brownfield Cleanup Program Site No. C231079

Well ID	Top of Casing Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)
MW-B	47.55	1.39	46.16	ND
MW-1	55.39	10.68	44.71	ND
MW-2	56.35	11.51	44.84	ND
MW-3	57.48	12.11	45.37	ND

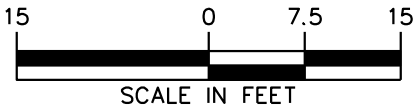
Notes:

1. Groundwater elevation were obtained on September 25, 2012.
2. Groundwater elevations are referenced to the Manhattan borough datam
3. MW-B is located within the basement of the site.
4. MW-1, MW-2, and MW-3 are located along the sidewalk of the site.
5. LNAPL = Light, non-aqueous phase liquid.

FIGURES

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- LEGEND:
- 

GROUNDWATER MONITORING WELL LOCATION
(APRIL 2012 SOIL AND GROUNDWATER SAMPLE ANALYTICAL
REPORT, PREPARED BY EMC)
- 

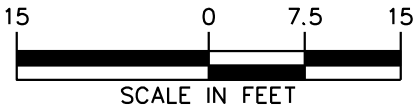
SITE BOUNDARY
- NOTES:
- BASE MAP OBTAINED FROM THE NEW YORK STATE OFFICE OF ENVIRONMENTAL REMEDIATION SEARCHABLE PROPERTY ENVIRONMENTAL E-DATABASE.
 - GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) FOR CLASS GA WATER.
 - NYSDEC AWQS EXCEEDANCES ARE IN BOLD.

VOC = VOLATILE ORGANIC COMPOUND
SVOC = SEMIVOLATILE ORGANIC COMPOUND
ug/l = MICROGRAMS PER LITER

Analyte	NYSDEC TOGS 1.1.1 AWQS
VOCs (ug/l)	
Benzene	1
Ethylbenzene	5
Toluene	5
Xylenes, Total	5
Isopropylbenzene	5
n-Propylbenzene	5
n-Butylbenzene	5
p-Isopropyltoluene	5
sec-butylbenzene	5
1,2,4-trimethylbenzene	5
1,3,5-trimethylbenzene	5
Naphthalene	10
SVOCs (ug/l)	
Naphthalene	10

NEW YORK		NEW YORK	
Project No.	Date	Scale	Dwg. No.
170206301	11/28/2012	1"=15'	5

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THIRD AVENUE



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LEGEND:



SOIL BORING LOCATION
[JULY 2007 PHASE II ENVIRONMENTAL SITE INVESTIGATION
REPORT, PREPARED BY DVIRKA & BARTILUCCI CONSULTING
ENGINEERS]



ENDPOINT SOIL SAMPLE LOCATION
[FEBRUARY 2012 SOIL SAMPLE ANALYTICAL REPORT,
PREPARED BY ENVIRONMENTAL MAINTENANCE
CONTRACTORS (EMC)]



SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
[APRIL 2012 SOIL AND GROUNDWATER SAMPLE ANALYTICAL
REPORT, PREPARED BY EMC]



SITE BOUNDARY

NOTES:

- BASE MAP OBTAINED FROM THE NEW YORK STATE OFFICE OF ENVIRONMENTAL REMEDIATION SEARCHABLE PROPERTY ENVIRONMENTAL E-DATABASE.
- SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
- SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYCDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO).
- NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE IN BOLD.

VOC = VOLATILE ORGANIC COMPOUND
SVOC = SEMIVOLATILE ORGANIC COMPOUND
mg/kg = MILLIGRAMS PER KILOGRAM
ND = NOT DETECTED
NE = NO EXCEEDANCE

Analyte	NYSDEC Part 375 Unrestricted Use SCOs
VOCs (mg/kg)	
Benzene	0.06
Toluene	0.7
Ethylbenzene	1
Xylenes, Total	0.26
n-Propylbenzene	3.9
1,2,4-trimethylbenzene	3.6
1,3,5-trimethylbenzene	8.4
Naphthalene	12
sec-Butylbenzene	11
SVOCs (mg/kg)	
Naphthalene	12

B1	
Sample ID	B1
Lab Sample ID	F0609-01B
Sample Date	5/11/2007
Sample Depth (ft)	4 to 6
VOCs (mg/kg)	
Benzene	0.14
Toluene	8.1
Ethylbenzene	32
Xylenes, Total	78
SVOCs (mg/kg)	
Naphthalene	12

BS-2	
Sample ID	BS-2
Lab Sample ID	BB42287
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Ethylbenzene	6.9
Xylenes, Total	11.2
n-Propylbenzene	5.6
1,2,4-trimethylbenzene	11
SVOCs (mg/kg)	
Total SVOCs	NE

B2	
Sample ID	B2
Lab Sample ID	F0609-02B
Sample Date	5/11/2007
Sample Depth (ft)	9 to 11
VOCs (mg/kg)	
Ethylbenzene	4.4
Xylenes, Total	11
SVOCs (mg/kg)	
Total SVOCs	NE

BS-3	
Sample ID	BS-3
Lab Sample ID	BB42288
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND

BS-1	
Sample ID	BS-1
Lab Sample ID	BB42286
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Ethylbenzene	7.4
Xylenes, Total	36.8
n-Propylbenzene	6
1,2,4-trimethylbenzene	41
1,3,5-trimethylbenzene	14
sec-Butylbenzene	29
SVOCs (mg/kg)	
Total SVOCs	NE

SB-3			
Sample ID	SBH-3	SBD-3	SBC-3
Lab Sample ID	BB59665	BB59666	BB59667
Sample Date	3/27/2012	3/27/2012	3/27/2012
Sample Depth (ft)	8 to 10	10 to 12	14 to 15
VOCs (mg/kg)			
Ethylbenzene	13	NE	NE
Toluene	6.2	NE	ND
Xylenes, Total	74	0.66	0.91
n-Propylbenzene	11	NE	NE
1,2,4-trimethylbenzene	56	NE	NE
1,3,5-trimethylbenzene	22	NE	NE
Naphthalene	15	NE	NE
SVOCs (mg/kg)			
Total SVOCs	NE	NE	ND

B3	
Sample ID	B3
Lab Sample ID	F0609-03B
Sample Date	5/11/2007
Sample Depth (ft)	9 to 11
VOCs (mg/kg)	
Toluene	3.7
Ethylbenzene	5.3
Xylenes, Total	25
SVOCs (mg/kg)	
Total SVOCs	NE

SB-1			
Sample ID	SBC-1	SBH-1	SBD-1
Lab Sample ID	BB59660	BB59659	BB59661
Sample Date	3/26/2012	3/26/2012	3/26/2012
Sample Depth (ft)	0 to 2	8 to 10	12 to 14
VOCs (mg/kg)			
Ethylbenzene	0.006	9.2	ND
Toluene	0.008	4.1	ND
Xylenes, Total	0.037	42	ND
n-Propylbenzene	ND	9.8	ND
1,2,4-trimethylbenzene	0.006	38	ND
1,3,5-trimethylbenzene	0.017	16	ND
SVOCs (mg/kg)			
Total SVOCs	ND	NE	ND

BS-4	
Sample ID	BS-4
Lab Sample ID	BB42289
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Ethylbenzene	3.9
Xylenes, Total	23.4
1,2,4-trimethylbenzene	32
1,3,5-trimethylbenzene	9
SVOCs (mg/kg)	
Total SVOCs	ND

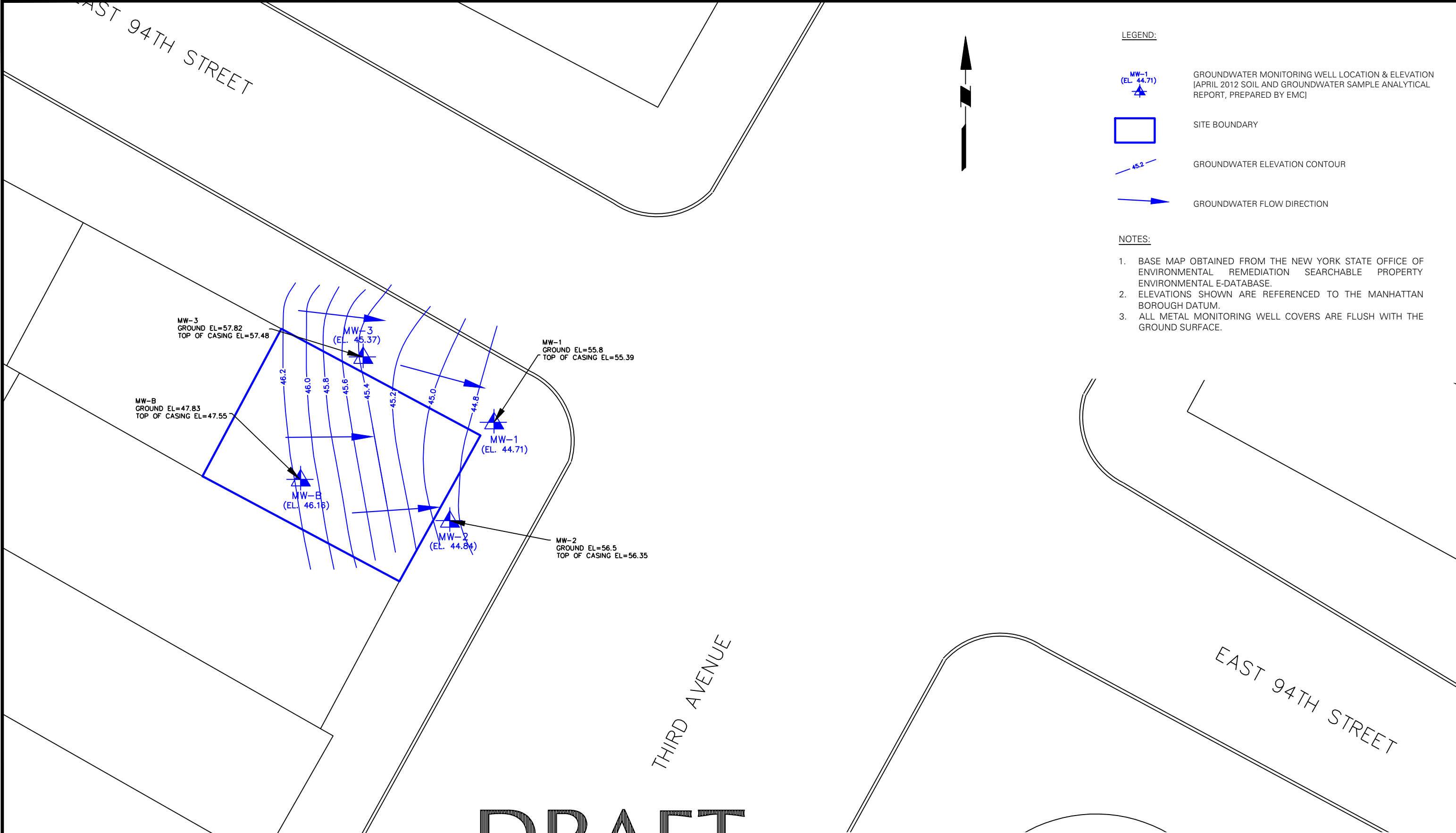
SB-2			
Sample ID	SBC-2	SBH-2	SBD-2
Lab Sample ID	BB59663	BB59662	BB59664
Sample Date	3/26/2012	3/26/2012	3/26/2012
Sample Depth (ft)	0 to 2	10 to 12	14 to 15
VOCs (mg/kg)			
Xylenes, Total	25	1.28	ND
SVOCs (mg/kg)			
Total SVOCs	ND	NE	ND

BS-5	
Sample ID	BS-5
Lab Sample ID	BB42290
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Ethylbenzene	11
Toluene	6.2
Xylenes, Total	64
n-Propylbenzene	7
1,2,4-trimethylbenzene	53
1,3,5-trimethylbenzene	17
SVOCs (mg/kg)	
Total SVOCs	ND

SB-B		
Sample ID	SBH-B	SBC-B
Lab Sample ID	BB57215	BB57216
Sample Date	3/21/2012	3/21/2012
Sample Depth (ft)	16 to 18	20 to 22
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	ND	ND

BS-6	
Sample ID	BS-6
Lab Sample ID	BB42291
Sample Date	2/8/2012
Sample Depth (ft)	≈12
VOCs (mg/kg)	
Ethylbenzene	8.8
Xylenes, Total	43
n-Propylbenzene	7.5
1,2,4-trimethylbenzene	45
1,3,5-trimethylbenzene	15
SVOCs (mg/kg)	
Total SVOCs	ND

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LEGEND:



GROUNDWATER MONITORING WELL LOCATION & ELEVATION
(APRIL 2012 SOIL AND GROUNDWATER SAMPLE ANALYTICAL
REPORT, PREPARED BY EMC)



SITE BOUNDARY



GROUNDWATER ELEVATION CONTOUR

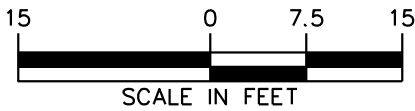


GROUNDWATER FLOW DIRECTION

NOTES:

1. BASE MAP OBTAINED FROM THE NEW YORK STATE OFFICE OF ENVIRONMENTAL REMEDIATION SEARCHABLE PROPERTY ENVIRONMENTAL E-DATABASE.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE MANHATTAN BOROUGH DATUM.
3. ALL METAL MONITORING WELL COVERS ARE FLUSH WITH THE GROUND SURFACE.

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1676 THIRD AVENUE

GROUNDWATER CONTOUR MAP

NEW YORK

NEW YORK

Project No.
170206301

Date
11/28/2012

Scale
1"=15'

Dwg. No.
3

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EAST 94TH STREET

#1676 THIRD AVENUE
BLOCK 1522 LOT 40

THIRD AVENUE

EAST 94TH STREET

LEGEND:



SOIL BORING LOCATION
[JULY 2007 PHASE II ENVIRONMENTAL SITE INVESTIGATION
REPORT, PREPARED BY DVIRKA & BARTILUCCI CONSULTING
ENGINEERS]



ENDPOINT SOIL SAMPLE LOCATION
[FEBRUARY 2012 SOIL SAMPLE ANALYTICAL REPORT,
PREPARED BY ENVIRONMENTAL MAINTENANCE
CONTRACTORS (EMC)]



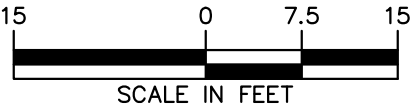
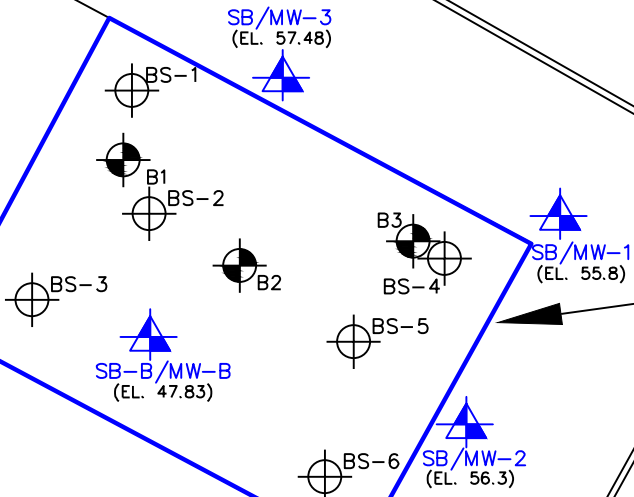
SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
[APRIL 2012 SOIL AND GROUNDWATER SAMPLE ANALYTICAL
REPORT, PREPARED BY EMC]



SITE BOUNDARY

NOTES:

1. BASE MAP OBTAINED FROM THE NEW YORK STATE OFFICE OF ENVIRONMENTAL REMEDIATION SEARCHABLE PROPERTY ENVIRONMENTAL E-DATABASE.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE MANHATTAN BOROUGH DATUM.
3. ALL METAL MONITORING WELL COVERS ARE FLUSH WITH THE GROUND SURFACE.
4. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.



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1676 THIRD AVENUE

SITE LAYOUT MAP

NEW YORK

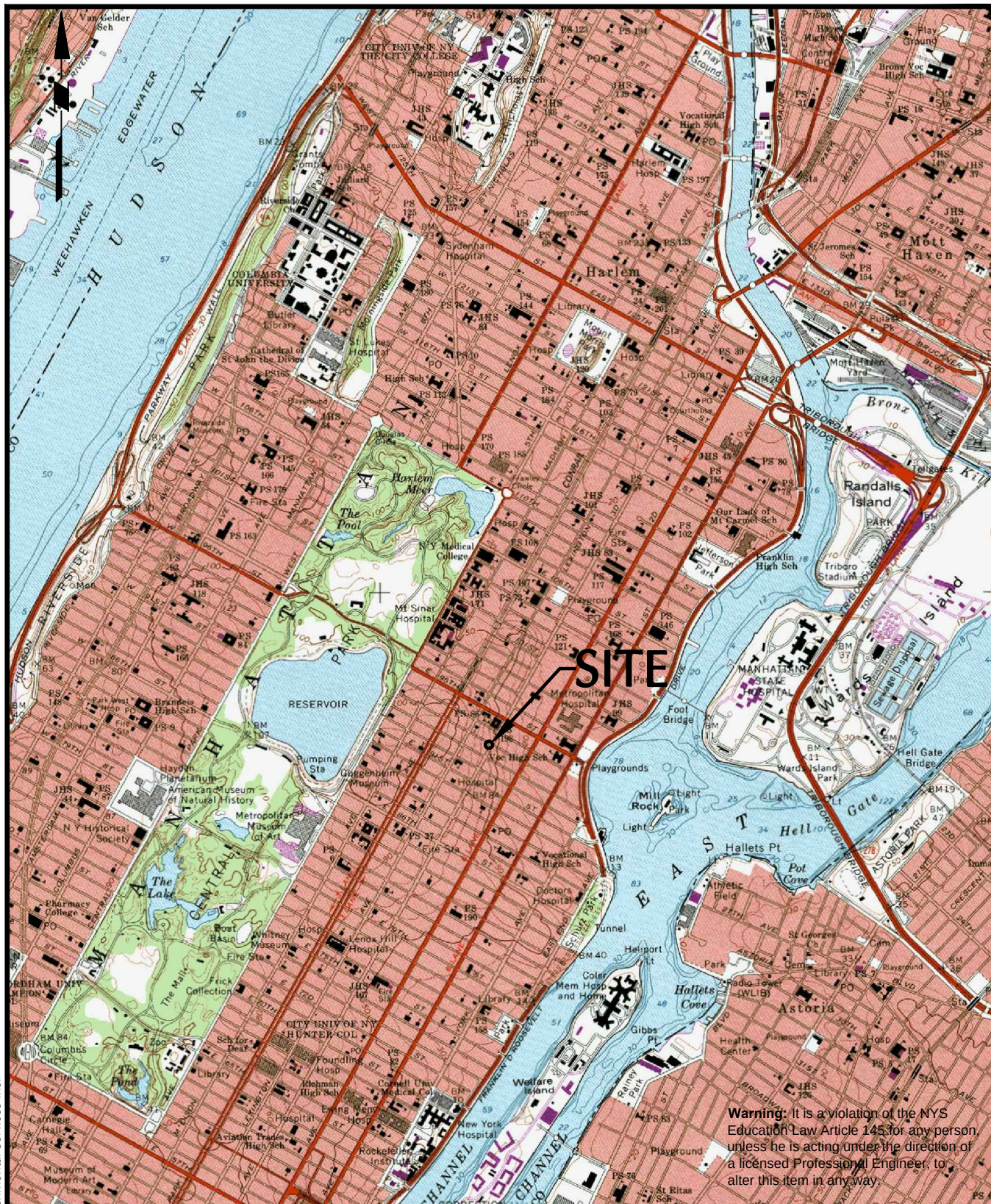
NEW YORK

Project No.
170206301

Date
11/28/2012

Scale
1"=15'

Dwg. No.
2



Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

SOURCE: PORTION OF USGS CENTRAL PARK QUADRANGLE MAP, 1995



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1676 THIRD AVENUE SITE LOCATION MAP

NEW YORK

NEW YORK

Project No.	Date	Scale	Dwg. No.
170206301	11/28/12	1"=2000'	1

Bevin Associates LLC

Phase I Environmental Site Assessment 1676 Third Ave., New York, New York



April 2007



DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
1676 THIRD AVENUE
NEW YORK, NEW YORK

Prepared for:
BEVIN ASSOCIATES, LLC
NEW YORK, NEW YORK

Prepared by:
DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
WOODBURY, NEW YORK

APRIL 2007

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1676 THIRD AVENUE
NEW YORK, NEW YORK**

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
S.0	EXECUTIVE SUMMARY	ES-1
1.0	INTRODUCTION.....	1-1
1.1	Project Scope and Objective	1-1
1.2	Limitations and Exceptions.....	1-1
1.3	Special Terms and Conditions	1-2
1.4	User Reliance	1-2
2.0	PROPERTY DESCRIPTION.....	2-1
2.1	Location and Legal Description.....	2-1
2.2	Subject Property and Vicinity General Characteristics	2-1
2.3	Current Use of the Property	2-1
2.4	Site Description.....	2-1
2.5	Current Uses of the Adjoining Properties	2-4
3.0	USER PROVIDED INFORMATION.....	3-1
3.1	Title Records	3-1
3.2	Environmental Liens or Activity and Use Limitations	3-1
3.3	Specialized Knowledge.....	3-1
3.4	Valuation Reduction for Environmental Issues	3-1
3.5	Owners, Property Manager and Occupant Information.....	3-1
3.6	Reason for Performing Phase I ESA.....	3-2
4.0	RECORDS REVIEW	4-1
4.1	Site Geology and Hydrogeology.....	4-1
4.2	Standard and Additional Environmental Records Sources.....	4-1
4.3	Historical Use Information for Property and Adjoining Properties.....	4-7
4.3.1	Sanborn (Fire Insurance) Maps.....	4-7
4.3.2	Aerial Photographs.....	4-8
4.3.3	Historical Topographical Maps.....	4-8
4.3.4	City Directory	4-9
4.3.5	Historical Reports and Investigations	4-9

TABLE OF CONTENTS (continued)

<u>Section</u>	<u>Title</u>	<u>Page</u>
5.0	SITE RECONNAISSANCE.....	5-1
5.1	Methodology and Limiting Conditions.....	5-1
5.2	General Site Setting	5-1
5.3	Perimeter Observations.....	5-1
5.4	Property Observations.....	5-2
6.0	INTERVIEWS.....	6-1
6.1	Interviews with Owners and Occupants	6-1
6.2	Interviews with Local Government Officials	6-1
7.0	FINDINGS AND CONCLUSIONS.....	7-1
8.0	REFERENCES.....	8-1
9.0	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	9-1
10.0	QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS.....	10-1

List of Appendices

Regulatory Database	A
Historic Research Documentation	B
Site Reconnaissance Photographs.....	C
Freedom of Information Requests	D
Résumés	E

List of Figures

2-1	Site Location Map.....	2-2
2-2	Tax Map	2-3

S.0 EXECUTIVE SUMMARY

Bevin Associates, LLC retained Dvirka and Bartilucci Consulting Engineers (D&B) to undertake a Phase I Environmental Site Assessment (ESA) of a parcel of land identified in New York City tax records as Block 1522, Lot 40. The approximately 930 square foot (sf) property is located at 1676 Third Avenue in the Borough of Manhattan, New York, New York. The property consists of an undeveloped paved lot located on the southwest corner of Third Avenue and East 94th Street. Third Avenue is oriented in a southwest-northeast direction and East 94th Street is oriented in a northwest-southeast direction.

The purpose of this Phase I ESA was to identify, to the extent feasible, recognized environmental conditions (RECs) associated with the property. This Phase I ESA included a site inspection of the property; interviews with the Owner and Building Superintendent of the adjoining properties; a review of historical information sources (i.e., Sanborn fire insurance maps, aerial photographs, topographic maps); and a review of local, tribal, state and federal environmental databases.

This assessment has identified RECs associated with the property as follows:

- The property was historically used as a gasoline station between the 1930s and 1980s or 1990s. New York State Department of Environmental Conservation (NYSDEC) records indicate that seven underground storage tanks (USTs) for leaded and unleaded gasoline were present on the site that were administratively closed in 1996. D&B submitted a Freedom of Information Letter (FOIL) request to the Fire Department of New York City requesting information on existing or removed motor vehicle tanks at the property. As of the date of this report the receipt of any records is pending. In the absence of documentation verifying that the seven USTs were removed or properly closed in place, D&B recommends that a geophysical survey of the property be completed. Additionally, no information regarding potential impacts from petroleum USTs on soil and groundwater quality conditions underlying the site was available. Therefore, D&B recommends that a limited subsurface investigation be conducted at the site.
- The adjoining properties to the northwest and southwest of the subject property were previously used as or are currently occupied by dry cleaning facilities. The adjoining site uses are of concern since if a spill occurred the potential exists to impact soil and groundwater quality conditions at the site.

1.0 INTRODUCTION

Bevin Associates, LLC retained Dvirka and Bartilucci Consulting Engineers (D&B) to undertake a Phase I Environmental Site Assessment (ESA) of a parcel of land identified in New York City tax records as Block 1522, Lot 40. The approximately 930 square foot (sf) property is located at 1676 Third Avenue in the Borough of Manhattan, New York, New York. The property consists of an undeveloped paved lot located on the southwest corner of Third Avenue and East 94th Street. Third Avenue is oriented in a southwest-northeast direction and East 94th Street is oriented in a northwest-southeast direction.

1.1 Project Scope and Objective

The scope of work for this Phase I ESA of a parcel of land at 1676 Third Avenue, New York, New York was conducted in accordance with the scope and limitations of “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” guidance document E 1527-05, published by the American Society for Testing and Materials (ASTM). The purpose of this Phase I ESA was to identify, to the extent feasible, both historic and current recognized environmental conditions (RECs) associated with the property.

This Phase I ESA included a site inspection of the property; interviews with the Owner and Building Superintendent of the adjoining properties; a review of historical information sources (i.e., Sanborn fire insurance maps, aerial photographs, topographic maps); and a review of local, tribal, state and federal environmental databases.

1.2 Limitations and Exceptions

This ESA was conducted in accordance with D&B’s Technical Scope of Work dated March 9, 2007. However, during the site reconnaissance D&B observed that the subject property was being used as a temporary storage area for debris and materials staging by contractors working on the adjoining building to the northwest at 178-180 East 94th Street, which obscured the ground, particularly in the west portion of the parcel, presenting a limitation.

1.3 Special Terms and Conditions

It should be noted that the assessment of lead-based paint (LBP) and asbestos-containing materials (ACM) is not typically conducted in support of Phase I ESAs, since these activities are considered to be “non-scope considerations” in the ASTM standard. Further, an assessment of LBP and ACM does not appear warranted because there are no existing structures on the Site.

1.4 User Reliance

This Phase I ESA report was prepared for Bevin Associates, LLC who may rely upon its contents with the limitations noted above.

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description

The property consists of a parcel of land approximately 930 square feet (sf) in size and is identified in New York City tax records as Block 1522, Lot 40. The property is located within the block bounded by East 94th Street to the north, Third Avenue to the east, East 93rd Street to the south, and Lexington Avenue to the west, in the Borough of Manhattan, New York, New York. See Figure 2-1 for a site location map and Figure 2-2 for a tax map outlining the property boundaries. A legal description of the property boundaries is included in the environmental lien search report (Appendix B).

2.2 Subject Property and Vicinity General Characteristics

The property is located on the southwest corner of Third Avenue and East 94th Street. The surrounding area is characterized by residential properties and residential properties with ground floor retail stores. The surrounding area is a densely developed urban neighborhood.

2.3 Current Use of the Property

The property consists of an undeveloped paved lot with no current identified use.

2.4 Site Description

The property consists of an approximately 930 square-foot undeveloped paved lot.

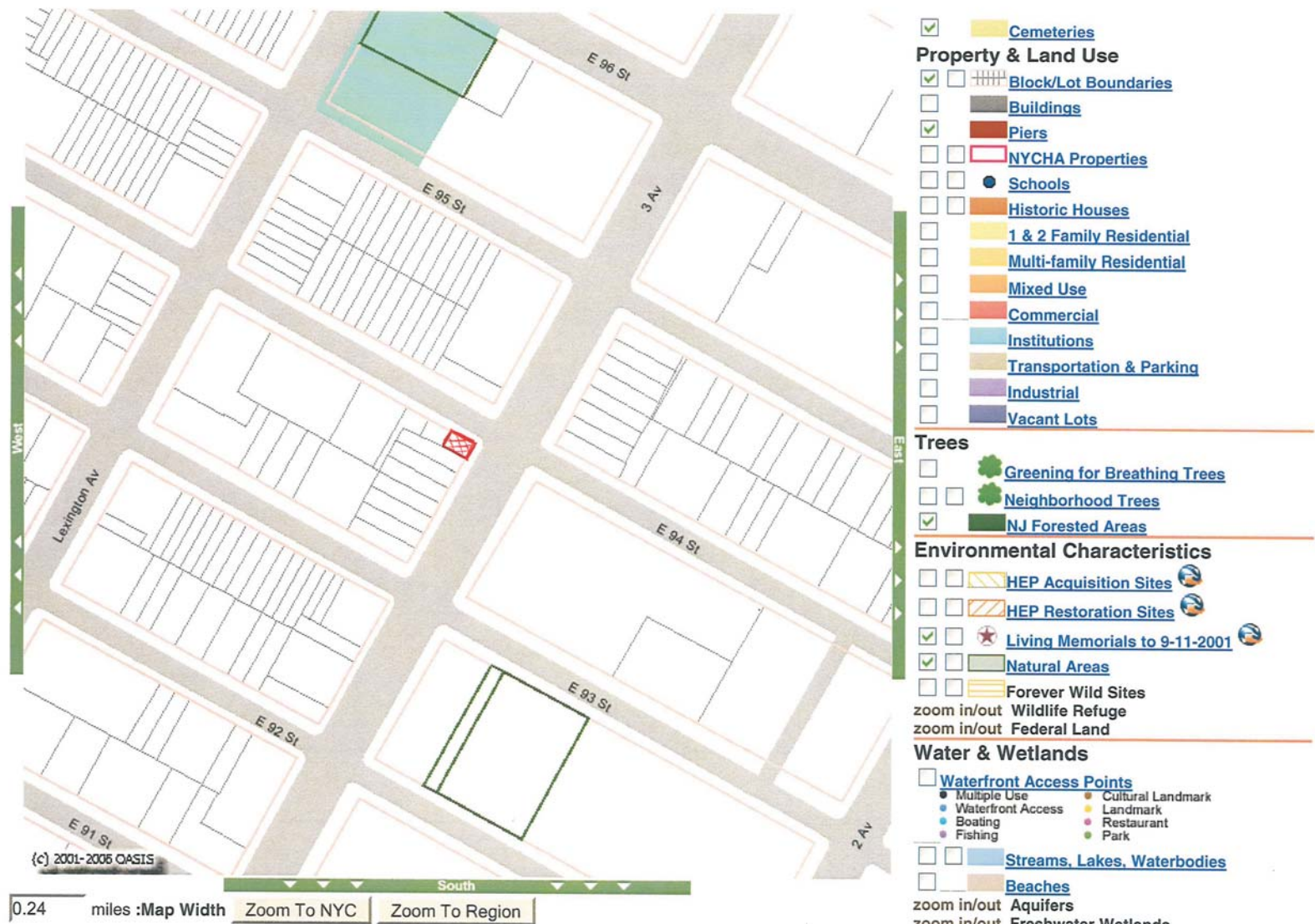


RLA/BevinAssoc.LLC2660(04/06/07)

db **Dvirka and Bartilucci**
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

BEVIN ASSOCIATES LLC
1676 THIRD AVENUE
NEW YORK, NEW YORK
SITE LOCATION MAP

FIGURE 2-1



RLA/BevinAssocLLC2660(04/06/07)

2.5 Current Uses of the Adjoining Properties

The current uses of the surrounding properties were noted as follows:

- Southwest: Five-story residential building with ground floor retail space occupied by a Mrs. Roles Hand Launderers French Dry Cleaners (a dry cleaning facility) (1674 Third Avenue). Although a dry cleaner is present, this site does not appear in the regulatory database report as a hazardous waste generator facility indicating it may not be permitted to conduct its dry cleaning operations on the premises.
- Northwest: Two-story residential building attached to three-story residential building with ground floor retail space occupied by Precious Nails (a nail salon) (178-180 East 94th Street). This site appears in the regulatory database report as a dry cleaner and hazardous waste generator facility although it no longer appears to be occupied by a dry cleaner based on the site inspection.
- Northeast: Across East 94th Street: Four-story residential building with ground floor retail space occupied by Barking Dog NYC (a luncheonette) (183 East 94th Street).
- East: Across East 94th Street and Third Avenue: Five-story residential building with ground floor retail space occupied by Tamarind (an Indian food restaurant) (203 East 94th Street/1679 Third Avenue).
- Southeast: Across Third Avenue: Approximately 30-story residential building (Carnegie Park apartments) with ground floor retail space occupied by Duane Reade (a drug store) (200 East 94th Street).

3.0 USER-PROVIDED INFORMATION

3.1 Title Records

Based on an environmental lien search report for the parcel of land identified as Block 1522, Lot 40 (Appendix B), the property title was transferred from Blue 3rd Corporation to Bevin Associates, LLC on December 22, 2006.

3.2 Environmental Liens or Activity and Use Limitations

Based on an environmental lien search report for the parcel of land identified as Block 1522, Lot 40 (Appendix B), records of environmental liens or activity and use limitations were not recorded against the property.

3.3 Specialized Knowledge

D&B was not provided with any specialized knowledge regarding the property other than information that it was previously used as a gasoline station.

3.4 Valuation Reduction for Environmental Issues

D&B was not provided with any information regarding reduction in the value of the property due to known environmental issues.

3.5 Owners, Property Manager and Occupant Information

The subject property is currently owned by Bevin Associates, LLC and is currently unoccupied land with no structures on it.

3.6 Reason for Performing Phase I ESA

Bevin Associates, LLC has retained D&B to undertake this Phase I Environmental Site Assessment of an approximately 930 sf parcel of land identified as 1676 Third Avenue in order to perform due diligence and qualify for a Landowner Liability Protection under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

4.0 RECORDS REVIEW

Standard historical sources of information were reviewed as part of the investigation. Information presented in this section is based on a review of current topographic maps and hydrogeological sources, Sanborn (fire insurance) maps from 1896 through 1996, aerial photographs from 1954 through 1994, topographic maps from 1897 through 1995, a city directory search from 1920 to 2000, as well as a review of local, tribal, state and federal regulatory databases.

4.1 Site Geology and Hydrogeology

According to the United States Department of Agriculture's (USDA) Soil Conservation Service (SCS), as reported by the Environmental Data Resources, Inc. (EDR) Radius Map with Geocheck, shallow soil at the site is classified as Urban Land. Urban Land indicates that the majority of the property is covered by buildings and/or paved surfaces. Other shallow soil types in the area of the site are classified as sandy loam.

Based on a review of the United States Geological Survey (USGS) topographic map of the Central Park Quadrangle, the on-site elevation is approximately 60 feet above mean sea level (msl) with a general topographic gradient to the east. Groundwater likely flows in an easterly direction towards the East River, located less than ½-mile east of the subject site.

Based on a review of the EDR Radius Map with Geocheck, depth to bedrock was reported to be 12 feet below grade at a site located within 1/8-mile north of the subject site. Groundwater at the subject site will likely be encountered within 12 feet below grade in the unconsolidated sediments overlying the bedrock.

4.2 Standard and Additional Environmental Records Sources

A computer environmental database search of record sources for the property and surrounding areas was undertaken in accordance with ASTM standards. This section presents a

summary of the findings of the environmental database search. The detailed report is presented in Appendix A.

Subject Property

The subject property was identified on the registered petroleum bulk storage tank (PBS) database. The owner was identified as West Bradhurst Parking Corporation. The site is designated as PBS #2-480452. The site had seven registered underground storage tanks (USTs) including three 550-gallon leaded gasoline USTs that were installed in 1946, two 550-gallon unleaded gasoline USTs that were installed in 1949, one 550-gallon unleaded gasoline UST that was installed in 1954, and one 550-gallon unleaded gasoline UST that was installed in 1977. All seven of these USTs were reported as administratively closed on September 1, 1996. The database states that reasons a facility status may be reported as administratively closed include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed or a duplicate registration was generated.

Surrounding Properties

The following presents a summary of the mapped properties identified in the local, tribal, state and federal databases:

- No National Priority List (NPL) sites within a 1-mile radius of the subject property;
- No delisted NPL sites within a ½-mile radius of the subject property;
- No Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) sites within a 1/2-mile radius of the subject property;
- No CERCLIS No Further Remedial Action Planned (NFRAP) sites within a ½-mile radius of the subject property;
- No Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) sites within a 1-mile radius of the subject property;

- No RCRA Treatment Storage or Disposal (TSD) facilities within a 1/2-mile radius of the subject property;
- One RCRA hazardous waste generator facility adjoining the subject property;
- No institutional or engineering controls listing for the subject property;
- No Emergency Response Notification System (ERNS) listing for the subject property;
- No State Hazardous Waste Sites (SHWS) within a 1-mile radius of the subject property;
- No Hazardous Substance Waste Disposal Sites (HSWDS) within a 1/2-mile radius of the subject property;
- No state landfills/solid waste facilities (SWF) within a 1/2-mile radius of the subject property;
- Ninety-nine Leaking Underground Storage Tanks (LTANKS) sites within a 1/2-mile radius of the subject property;
- Eighteen SPILLS sites within an 1/8-mile radius of the subject property;
- One registered petroleum bulk storage (PBS) tank site adjoining the subject property;
- No voluntary cleanup agreement (VCP) sites within a 1/2-mile radius of the subject property;
- No Brownfield sites within a 1/2-mile radius of the subject property;
- Three manufactured gas plant (MGP) sites within a 1-mile radius of the subject property.

RCRA Generators

Resource Conservation and Recovery Act (RCRA) Information is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites that generate hazardous waste as defined by the RCRA. Generator facilities are classified as either conditionally exempt, small quantity or large quantity depending on the quantities of hazardous waste generated per month.

The ASTM standard requires the reporting of hazardous waste generator facilities on the site and adjoining properties.

The following adjoining site was identified in the RCRA small quantity hazardous waste generator database:

- Laundromat 94th Street Corporation/Green Castle Cleaners at 178 East 94th Street (northwest).

The database indicates that this facility generated halogenated solvents and still bottoms from recovery of solvents between 1989 and 1993.

The database identifies a number of other RCRA hazardous waste generator facilities that are upgradient and within 1/8-mile of the subject property. However, no RCRA violations were reported at any of these facilities. Therefore, it is unlikely that these hazardous waste generator facilities have impacted the subject property.

LTANKS and NY SPILLS

The Spills information database contains an inventory of reported leaking storage tank (LTANKS) incidents reported from April 1, 1986 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. The ASTM standard requires the reporting of LTANKS sites within a ½-mile radius of the subject property. Ninety-nine LTANKS sites were identified within a ½-mile radius of the subject property.

The Spills information database also includes an inventory of reported minor spill incidents (NY SPILLS) that are not tank-related. The causes of the incidents are human error, traffic accidents and equipment failure. Eighteen NY SPILLS sites were identified within a 1/8-mile radius of the subject property.

Eighty six of the 99 LTANKS sites and 18 of the 18 NY SPILLS sites listed in the database have closed spills. Based on information supplied by representatives of the NYSDEC Spill Unit, a Spill Close Date indicates that the NYSDEC has concluded its investigation and remediation of the spill (if any) has been completed to their satisfaction. Since it is not expected that the closed spills have adversely impacted the subject property, only the active spills were evaluated. The following 13 active LTANKS sites were evaluated:

- Monterey Apartments, 175 E. 96th Street, Spill No. 0011155, 0-1/8 mile north, No. 4 fuel oil tank failure, affecting soil.
- 245 E. 93rd Street, Spill No. 9608048, 1/8-1/4 mile southeast, No. 6 fuel oil tank failure, affecting soil.
- Isaacs Houses, 403 E. 93rd Street, Spill No. 9212885, 1/4-1/2 mile southeast, No. 4 fuel oil tank failure, affecting soil.
- Isaacs Houses, 403 E. 93rd Street, Spill No. 0008678, 1/4-1/2 mile southeast, No. 2 fuel oil tank test failure, affecting soil.
- Rathbones, 1702 2nd Avenue, Spill No. 9813864, 1/4-1/2 mile south, No. 2 fuel oil tank test failure, affecting soil.
- 1901 1st Avenue, Spill No. 9300607, 1/4-1/2 mile east, Gasoline tank test failure, affecting soil.
- 424 E. 89th Street, Spill No. 9504595, 1/4-1/2 mile south-southeast, No. 6 fuel oil tank failure, affecting soil.
- 401 E. 88th Street, Spill No. 9509647, 1/4-1/2 mile south-southeast, No. 6 fuel oil tank test failure, affecting soil.
- Metro North Houses, Spill No. 9315472, 1/4-1/2 mile northeast, No. 2 fuel oil tank test failure, affecting groundwater.
- Apartment, 110 E. 87th Street, Spill No. 0502037, 1/4-1/2 mile southwest, No. 6 fuel oil tank failure, affecting groundwater.
- Mexican Restaurant, 314 E. 86th Street, Spill No. 8709801, 1/4-1/2 mile south, No. 2 fuel oil tank failure, affecting groundwater.
- 103 E. 86th Street, Spill No. 9706570, 1/4-1/2 mile southwest, No. 6 fuel oil tank failure, affecting soil.

- Apartment Building, 55 E. 87th Street, Spill No. 9210788, ¼-1/2 mile west-southwest,
No. 6 fuel oil tank failure, affecting groundwater.

An evaluation of the 13 active spills identified above indicates that none affected soil on an adjoining property or groundwater upgradient of the subject property. Therefore, it is not expected that these spills have adversely impacted the subject property.

PBS

The petroleum bulk storage tank (PBS) database identifies facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. These facilities may have underground storage tanks (USTs) and/or aboveground storage tanks (ASTs). The ASTM standard requires the reporting of PBS facilities on the site and adjoining properties.

The following adjoining site was identified in the PBS tank database:

- Carnegie Park Apartments, 200 East 94th Street (southeast).

The database indicates that it is a registered underground storage tank facility. Two 15,000-gallon USTs for no. 1, 2 or 4 fuel oil were installed on 9/1/1985. The PBS permit is active until 5/29/2010. No active spills were reported. Therefore, it is unlikely that this PBS facility has impacted the subject property.

MGP sites

Although not an ASTM requirement to review, the following three sites were identified in the manufactured gas plant (MGP) sites database:

- Con Edison East 99th St. Works, ¼-1/2 mile east-northeast
- Con Edison East 108th St. Station, ½-1 mile northeast

- Con Edison East 111th St. Works, ½-1 mile northeast

Based on distances and since none of these MGP sites appear to be situated hydraulically upgradient, it is not expected that these sites have adversely impacted the subject property.

Orphan Sites Summary

Due to poor or inadequate address information, 43 sites were identified on various databases but were not mapped. These sites are listed on the LTANKS, NY SPILLS, RCRA Generator, NY MANIFEST, and AST databases. However, sufficient information is not provided to determine the potential environmental concerns from these properties.

4.3 Historical Use Information for Property and Adjoining Properties

4.3.1 Sanborn (Fire Insurance) Maps

Noteworthy findings from the review of Sanborn (fire insurance) maps dated 1896, 1911, 1939, 1951, 1979, 1980, 1981, 1983, 1985, 1986, 1988, 1991, 1992, 1993, 1994, 1995 and 1996 (see Appendix B) are presented below:

1896-1911:

The subject property contains a one-story shed at the northeast corner of the lot and is otherwise a vacant lot. The surrounding area is completely developed with residential buildings and stores.

1939:

The subject property is identified as a gasoline station having three 550-gallon buried gasoline tanks. The surrounding area is completely developed with residential buildings and stores. Some larger residential buildings have been constructed to the west-northwest of the site. There are also two auto houses (garages) adjoining the subject property to the northwest.

1951:

No changes to the subject property. No changes to the surrounding area except that a paints store is adjoining the subject property to the southwest.

1979-1980:

The subject property is identified as a filling station. The surrounding area is completely developed with residential buildings and stores.

1981-1988:

No changes to the subject property. No changes to the surrounding area except that a large residential building has been constructed to the northeast of the site.

1991-1994:

The subject property is a vacant lot. No changes to the surrounding area.

1995-1996:

The subject property is developed with a one-story concrete structure. No changes to the surrounding area.

The Sanborn maps indicate that the subject property was historically used as a gasoline station with underground storage tanks between the 1930s and late 1980s or early 1990s. The Sanborn maps indicate that the surrounding area was historically developed with a mix of residential buildings and stores.

4.3.2 Aerial Photographs

No noteworthy findings were provided from the review of aerial photographs dated 1954, 1966, 1975, 1984 and 1994 (see Appendix B). Historically, the area surrounding the subject property has been completely developed.

4.3.3 Historical Topographic Maps

No noteworthy findings were provided from the review of topographic maps dated 1897, 1947, 1966, 1979 and 1995 (see Appendix B). Historically, the area surrounding the subject property has been completely developed.

4.3.4 City Directory

A city directory is a compilation of prior tenants occupying a specified property based on historical telephone book records by address. The city directory search (see Appendix B) did not provide any record of the prior occupants of the subject property.

4.3.5 Historical Reports and Investigations

No prior historical reports or prior investigation reports for the property were provided to D&B for review.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Christine E. Beaver of D&B conducted a site inspection of the parcel of land identified in New York City tax records as Block 1522, Lot 40 on March 29, 2007. The site reconnaissance consisted of a thorough investigation of the subject property and observation of the surrounding area. However, during the site reconnaissance D&B observed that the subject property was being used as a temporary storage area for debris by contractors working on the adjoining building to the northwest at 178-180 East 94th Street, which obscured the ground, particularly in the west portion of the parcel, presenting a limitation. Note that photographs taken during the site inspection are provided in Appendix C.

5.2 General Site Setting

The general site setting is a densely developed urban neighborhood. The surrounding area is characterized by residential properties and residential properties with ground floor retail stores. The site is located in a C2-8 commercial zoning district.

5.3 Perimeter Observations

The subject property is located on the southwest corner of Third Avenue and East 94th Street. The subject property consists of approximately 25 linear feet of frontage along Third Avenue and 36 feet of linear frontage along East 94th Street. Curb cuts for entrance to and exit from the subject property were observed along both sidewalks. The subject property is not enclosed by fencing or other barriers on its north and east sides and is enclosed by the adjoining buildings on its south and west sides.

5.4 Property Observations

During the site reconnaissance, D&B observed that the subject property consists of an undeveloped paved lot. No cracks or staining were observed in the asphalt pavement. Although no structures were present on the site, an outline of a former structure that existed on the property was observed on the exterior wall of the adjoining building to the southwest at 1674 Third Avenue. There was no evidence of utilities connecting to the subject property.

During the site reconnaissance, D&B observed that contractors working on the adjoining building to the northwest at 178-180 East 94th Street were using the subject property as a temporary storage area for debris and materials staging. The on-site materials consisted of roofing materials, metal pipes, garbage bags, plywood, rolls of material, and three 5-gallon containers of cement and adhesive.

6.0 INTERVIEWS

6.1 Interviews with Owners and Occupants

Since the subject property is undeveloped and unoccupied, during the Site inspection D&B interviewed two individuals who identified themselves as the Owner and Building Superintendent of the adjoining properties to the northwest and southwest at 178-180 East 94th Street and 1674 Third Avenue, respectively. Based on the interviews conducted, the subject property has been vacant for approximately the past six months, was used as a farmer's market for at least eight years prior to that during which time there was no building present, was vacant for approximately three years prior to that, and was used as a gasoline station prior to that. The gasoline station reportedly had underground storage tanks that were removed between approximately 1980 and 1982. The gasoline station reportedly did not have a garage that performed auto repairs. The gasoline station reportedly did have a cashier's booth in the southern portion of the property. The individuals interviewed stated that they did not recall the locations of the former pump islands at the gasoline station.

6.2 Interviews with Local Government Officials

D&B submitted a Freedom of Information Letter (FOIL) request to the New York City Department of Environmental Protection (DEP), requesting all environmental records this agency may maintain concerning the subject property. A copy of the FOIL request is provided in Appendix D. Upon receipt of a response from the DEP, pertinent information will be forwarded and an addendum provided, if necessary.

D&B submitted a FOIL request to the Fire Department of New York City (FDNY) requesting information on existing or removed motor vehicle tanks at the subject property. As of the date of this report the receipt of any records is pending. A copy of the FOIL request is provided in Appendix D. Upon receipt of a response from the FDNY, pertinent information will be forwarded and an addendum provided, if necessary.

7.0 FINDINGS AND CONCLUSIONS

D&B performed a Phase I ESA of an approximately 930 sf parcel of land identified in New York City tax records as Block 1522, Lot 40, located at 1676 Third Avenue, in the Borough of Manhattan, New York, New York, in accordance with our March 9, 2007 technical scope of work. The scope of work for the Phase I ESA was completed in conformance with the scope and limitations of “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” guidance document E 1527-05, published by ASTM. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report.

The purpose of this Phase I ESA was to identify, to the extent feasible, recognized environmental conditions (RECs) associated with the property.

This assessment has identified RECs associated with the property as follows:

- The property was historically used as a gasoline station between the 1930s and 1980s or 1990s. New York State Department of Environmental Conservation (NYSDEC) records indicate that seven underground storage tanks (USTs) for leaded and unleaded gasoline were present on the site that were administratively closed in 1996. D&B submitted a Freedom of Information Letter (FOIL) request to the Fire Department of New York City requesting information on existing or removed motor vehicle tanks at the property. As of the date of this report the receipt of any records is pending. In the absence of documentation verifying that the seven USTs were removed or properly closed in place, D&B recommends that a geophysical survey of the property be completed. Additionally, no information regarding potential impacts from petroleum USTs on soil and groundwater quality conditions underlying the site was available. Therefore, D&B recommends that a limited subsurface investigation be conducted at the site.
- The adjoining properties to the northwest and southwest of the subject property were previously used as or are currently occupied by dry cleaning facilities. The adjoining site uses are of concern since if a spill occurred the potential exists to impact soil and groundwater quality conditions at the site.

8.0 REFERENCES

Environmental Data Resources, Inc., *Radius Map with GeoCheck, Inquiry No. 1889256.2S*, March 28, 2007.

Environmental Data Resources, Inc., *Sanborn Map Report, Inquiry No. 1889256.3S*, March 28, 2007.

Environmental Data Resources, Inc., *Aerial Photo Decade Package, Inquiry No. 1889256.5*, March 28, 2007.

Environmental Data Resources, Inc., *Historical Topographic Map Report, Inquiry No. 1889256.4*, March 28, 2007.

Environmental Data Resources, Inc., *City Directory Abstract, Inquiry No. 1889256.6*, March 28, 2007.

Environmental Data Resources, Inc., *Environmental Lien Search Report, Project No. L07-01967*, March 30, 2007.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environment Professional as defined in §312.10 of 40 CFR Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Christine E. Beaver, Environmental Scientist

Date

Reviewed By:

Albert H. Jaroszewski, Senior Hydrogeologist

Date

10.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The assignment was completed under the direction of Richard M. Walka, Senior Vice President and Director of the Division of Environmental Remediation and Multimedia Environmental Compliance. Mr. Walka has 30 years of environmental remediation and regulatory experience and has directed, managed and prepared numerous Phase I/Phase II Environmental Site Assessments.

Albert H. Jaroszewski, Senior Hydrogeologist, served as the Project Manager for this assignment. Mr. Jaroszewski has over 20 years of experience in site investigation, impact assessment and remediation associated with petroleum processing storage and distribution facilities, industrial sites, former manufactured gas plant sites, landfills, agricultural sites, research and public service facilities.

Christine E. Beaver, Environmental Scientist, performed the review of the historical records and environmental databases and conducted the site reconnaissance and report writing tasks for this project. Ms. Beaver has over 10 years of experience in the investigation and remediation of contaminated sites. Ms. Beaver has prepared Phase I Environmental Site Assessments for lending institutions and property owners for hundreds of properties located throughout the Boroughs of New York City; Nassau, Suffolk and Westchester Counties; New Jersey, Connecticut and Pennsylvania. She has also performed Phase I Environmental Site Assessments of corridors for transportation agencies in relation to feasibility studies.

The résumés for the above staff members are provided in Appendix E.

APPENDIX A

REGULATORY DATABASE

APPENDIX B

HISTORIC RESEARCH DOCUMENTATION

APPENDIX C

SITE RECONNAISSANCE PHOTOGRAPHS

APPENDIX D

FREEDOM OF INFORMATION REQUESTS

APPENDIX E

RESUMES



Dvirka and Bartilucci

CONSULTING ENGINEERS

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7/9

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July 2, 2007

Mr. Steven Levine
Bevin Associates, LLC
155 E. 56th Street
New York, NY 10022

Re: Phase II Environmental Site Assessment
1676 Third Avenue
New York, New York
D&B No. 2660-02

Dear Mr. Levine:

Bevin Associates, LLC was retained by Dvirka and Bartilucci Consulting Engineers (D&B) to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 1676 Third Avenue, New York, New York (Block 1522, Lot 40). The currently vacant property is being considered for redevelopment for commercial usage with the construction of a one-story building with a basement. During the Phase II investigation, the property had a paved asphalt surface and was fenced-off on the north and east street-side boundaries. The interior property boundaries to the south and west were commercial and residential buildings.

The purpose of this Phase II ESA was to investigate potential impacts from Recognized Environmental Conditions (RECs) identified in D&B's Phase I ESA Report dated April 2007. The following RECs were identified and investigated:

- The property was historically used as a gasoline station between the 1930's and the 1980's or 1990's. New York State Department of Environmental Conservation (NYSDEC) records indicate that seven underground storage tanks (USTs) used to store leaded and unleaded gasoline were present on the site and were "administratively closed" (i.e., business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed or a duplicate registration was generated) in 1996.
- The adjoining properties to the south and west of the property were previously used as, or are currently occupied by, dry cleaning facilities.

Mr. Steven Levine
Bevin Associates, LLC
July 2, 2007

Page 2

SCOPE OF INVESTIGATION

The Phase II ESA field activities were conducted on May 11, 2007. The scope of the field investigation included a geophysical survey and soil borings, and was managed by a D&B geologist.

Geophysical Survey

The geophysical survey was conducted utilizing a Schonstedt Model 50 magnetometer. The purpose of this magnetometer survey was to investigate the potential presence of USTs at the property. The survey consisted of scanning the site utilizing transects spaced approximately 10 feet apart and conducted in a rectangular pattern parallel to the property boundaries.

Test Borings

Three soil borings were advanced at the property with the objective of collecting soil and groundwater samples. The soil borings were advanced by C.E. Boss Co., Inc., Bronx, New York through a contract with Bevin Associates, LLC as part of a geotechnical program. The three borings (designated B1, B2 and B3) were advanced at the locations depicted on Figure 1 utilizing the hollow stem method of drilling. The depths of the borings ranged between 16 feet and 37 feet below land surface. Split-spoon sampling was conducted at 5-foot intervals to the bottom of each boring. The samples were sensory inspected for staining and odors, and screened for volatile organic vapors (VOV) using a photoionization meter calibrated to 100 parts per million (ppm) of isobutylene in air. Soil samples in each soil boring were selected for analysis as being representative of the most impacted conditions based on sensory inspection, for odor and staining, as well as VOV concentrations.

The soil samples were analyzed for parameters, typically associated with the historical property usage as a gasoline station and nearby dry cleaning facilities. These parameters included Target Analyte List metals, and Target Compound List volatile and semivolatile organic compounds.

To investigate the presence of groundwater, a water level indicator was initially utilized to measure potential water levels within the augers/boreholes. With the absence of any measurable water levels in the boreholes, a temporary well screen, consisting of 20 feet of slotted 1-inch PVC conduit was installed in the boreholes after the augers were removed. Up to 1 hour was allotted for groundwater to recharge into the temporary well.

Mr. Steven Levine
Bevin Associates, LLC
July 2, 2007

Page 3

FINDINGS AND CONCLUSIONS

The magnetometer survey did not identify any significant geophysical anomalies to indicate the presence of USTs at the property. A few minor anomalies, low response intensities in areas less than a foot square, were detected in the northeast corner of the property.

The lithology of the materials encountered in the soil borings was generally as follows:

- a gray silt and clay with brick fragments in the approximate upper 10 feet
- fine sand, trace fine gravel, occasionally moist from depths of approximately 10 feet to 20 feet
- weathered schistose bedrock from a depth of approximately 20 feet

Strong petroleum odors, as well as occasional black-stained zones, were associated with the material above the weathered bedrock in all three borings. The VOV concentrations in this material in each of the three borings were fairly similar and ranged from 1.5 ppm to 21.4 ppm. No odors or staining, or measurable VOV concentrations were associated with the weathered bedrock.

Groundwater was not present within any of the boreholes or in any of the temporary wells indicating that an aquifer, with appreciable transmissive capacity, is not present above the bedrock at the property. Accordingly, no groundwater samples were collected for analysis.

The analytical results for the soil samples collected are summarized in the attached tables and the laboratory report is being provided under separate cover. The tables include NYSDEC Recommended Soil Cleanup Objectives (RSCOs), as provided in Technical and Administrative Guidance Memorandum 4040: *Determination of Soil Cleanup Objectives and Cleanup Levels*. The analytical results along with field findings indicate that the soil at the property above weathered bedrock, to depth of approximately 20 feet below land surface, is significantly contaminated by petroleum constituents primarily consistent with gasoline product.

Elevated concentrations of volatile organic compounds (VOCs), typically associated with gasoline, including benzene, toluene, ethyl benzene and xylenes (BTEX), were detected up to an order of magnitude above RSCO values (see the attached VOC table). The impacts were highest in B-1 on the west side of the property, but exceedances of at least one BTEX component was present at all three test boring locations.

Mr. Steven Levine
Bevin Associates, LLC
July 2, 2007

Page 4

One semivolatile organic compound, naphthalene, was detected in the westernmost sample boring within an order of magnitude of its RSCO. Although naphthalene is a component of gasoline, it would not be expected to reside in the soil at a concentration in excess of its RSCO resulting from a historical gasoline release. It may more likely be associated with fuel oil or petroleum products with heavier hydrocarbon compounds than gasoline and naphthalene is a more predominant constituent.

Elevated concentrations of four metals (copper, iron, nickel and zinc) were also detected in the soil samples. The copper, nickel and zinc impacts are marginal, with concentrations being near their respective RSCO levels. The iron concentrations were an order of magnitude higher than the RSCO. These levels of these metals are similar to those typically associated with urban fill.

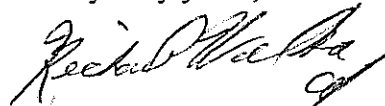
RECOMMENDATIONS

Based on the findings of the Phase II Environmental Site Assessment conducted for the property located at 1676 Third Avenue, New York, New York, the following recommendations are provided:

- Future construction activities should incorporate a Community Air Monitoring Program, consistent with New York State Department of Health requirements, to monitor the potential for dust and volatile organic vapor migration for off-site potential receptors.
- Future construction activities should be conducted with dust and volatile organic vapor control measures and monitoring, consistent with Occupational Safety and Health Administration standards, for site workers.
- Soil excavated during construction activities should be removed from the property and properly disposed off-site in accordance with applicable local, state and federal regulations.

If you have any questions regarding the above, please contact Mr. Albert Jaroszewski or me at (516) 364-9890.

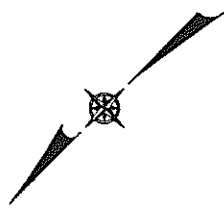
Very truly yours,



Richard M. Walka
Senior Vice President

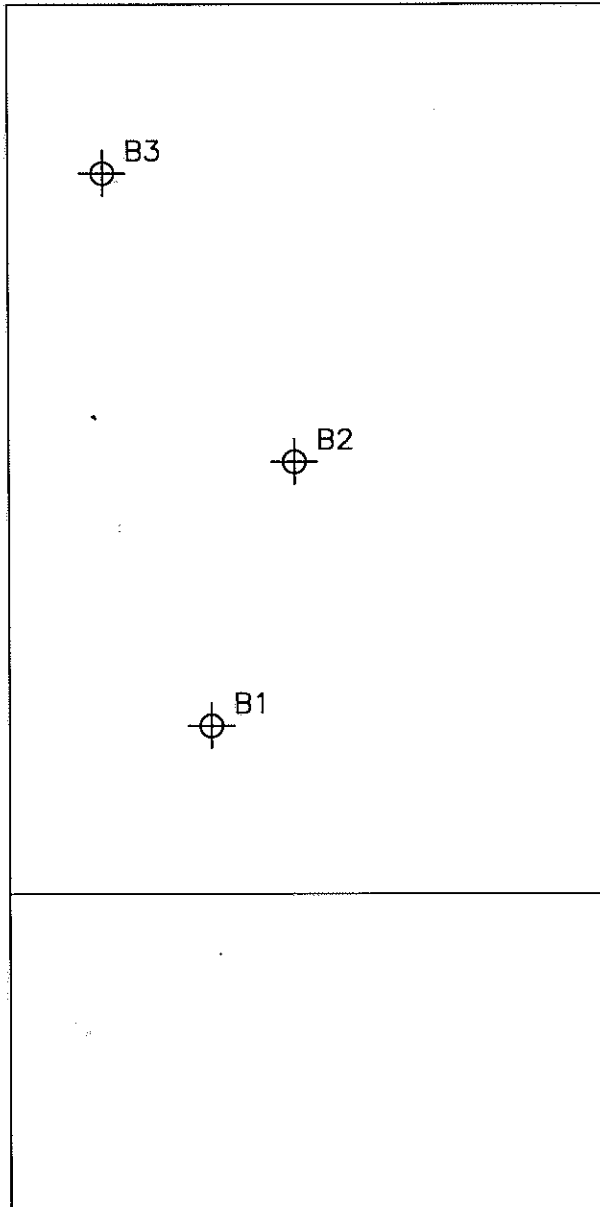
RMW/KBt/jmy
Attachments

♦2660\RMW07LTR.DOC-06(R01)



THIRD AVENUE

E 94th STREET



↑
INFERRED REGIONAL
GROUNDWATER
FLOW DIRECTION

LEGEND:

 B1 SOIL BORING LOCATION

1676 THIRD AVENUE, NEW YORK, NY
 PHASE II ENVIRONMENTAL SITE ASSESSMENT
 SOIL SAMPLE RESULTS
 VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	B-1	B-2	B-3	Laboratory	NYSDEC
SAMPLE DEPTH (FEET)	4-6	9-11	9-11	Quantitation	Recommended
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07	Limits <th>Soil Cleanup</th>	Soil Cleanup
DILUTION FACTOR	1.0	1.0	1.0	Limits <th>Objectives</th>	Objectives
UNITS	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dichlorodifluoromethane	U	U	U	10	---
Chloromethane	U	U	U	10	---
Vinyl Chloride	U	U	U	10	200
Bromomethane	U	U	U	10	---
Chloroethane	21	7 J	U	10	1,900
Trichlorofluoromethane	U	U	U	10	---
1,1-Dichloroethene	U	U	U	10	400
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	10	6,000
Acetone	U	35	U	10	200
Carbon Disulfide	U	U	U	10	2,700
Methyl Acetate	U	U	U	10	---
Methylene Chloride	U	U	U	10	100
trans-1,2-Dichloroethene	U	U	U	10	300
Methyl tert-butyl ether	U	U	U	10	---
1,1-Dichloroethane	U	U	U	10	200
2-Butanone	U	U	U	10	300
cis-1,2-Dichloroethene	U	U	U	10	---
Chloroform	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	10	800
Cyclohexane	U	U	U	10	---
Carbon Tetrachloride	U	U	U	10	600
1,2-Dichloroethane	U	U	U	10	100
Benzene	140	54 U	7 J	10	60
Trichloroethene	U	U	U	10	700
Methylcyclohexane	2,500	500 U	830	10	---
1,2-Dichloropropane	U	U	U	10	---
Bromodichloromethane	U	U	U	10	---
cis-1,3-Dichloropropane	U	U	U	10	---
4-Methyl-2-pentanone	U	U	U	10	1,000
Toluene	8,100	86	3,700	10	1,500
trans-1,3-Dichloropropene	U	U	U	10	---
1,1,2-Trichloroethane	U	U	U	10	---
Tetrachloroethene	U	U	U	10	1,400
2-Hexanone	U	U	U	10	---
Dibromochloromethane	U	U	U	10	---
1,2-Dibromoethane	U	U	U	10	---
Chlorobenzene	U	U	U	10	1,700
Ethylbenzene	32,000	4,400	5,300	10	5,500
Xylene (total)	78,000	11,000	25,000	10	1,200
Styrene	U	U	U	10	---
Bromoform	U	U	U	10	---
Isopropylbenzene	2,800	430	740	10	---
1,1,2,2-Tetrachloroethane	U	U	U	10	600
1,3-Dichlorobenzene	U	U	U	10	1,600
1,4-Dichlorobenzene	U	U	U	10	8,500
1,2-Dichlorobenzene	U	U	U	10	7,900
1,2-Dibromo-3-chloropropane	U	U	U	10	---
1,2,4-Trichlorobenzene	U	U	U	10	3,400
Totals VOCs	123,561	16,512	35,577	--	10,000

QUALIFIERS:

U: Constituent analyzed for but not detected.

J: Compound found at a concentration below the CRDL, value estimated.

Exceeds RSC0

NOTES:

---: Not established.

1676 THIRD AVENUE, NEW YORK, NY
 PHASE II ENVIRONMENTAL SITE ASSESSMENT
 SOIL SAMPLE RESULTS
 SEMI-VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION	B-1	B-2	B-3	Laboratory	NYSDEC
SAMPLE DEPTH (FT)	4-6	9-11	9-11	Quantitation	Recommended
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07	Limits	Soil Cleanup
DILUTION FACTOR	1.0	1.0	1.0	ug/Kg	Objectives
UNITS	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Benzaldehyde	U	U	U	330	---
Phenol	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	330	---
2-Chlorophenol	U	U	U	330	800
2-Methylphenol	U	U	U	330	100 OR MDL
2,2-Oxybis (1-Chloropropane)	U	U	U	330	---
Acetophenone	U	U	U	330	---
4-Methylphenol	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	330	---
Hexachloroethane	U	U	U	330	---
Nitrobenzene	U	U	U	330	200 OR MDL
Isophorone	U	U	U	330	4,400
2-Nitrophenol	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	330	---
bis (2-Chloroethoxy) methane	U	U	U	330	---
2,4-Dichlorophenol	U	U	U	330	400
Naphthalene	18,000	2,500 U	7,000	330	13,000
4-Chloroaniline	U	U	U	330	220 OR MDL
Hexachlorobutadiene	U	U	U	330	---
Caprolactam	U	U	U	330	---
4-Chloro-3-methylphenol	U	U	U	330	240 OR MDL
2-Methylnaphthalene	21,000	3,600 U	10,000	330	36,400
Hexachlorocyclopentadiene	U	U	U	330	---
2,4,6-Trichlorophenol	U	U	U	800	---
2,4,5-Trichlorophenol	U	U	U	330	100
1,1'-Biphenyl	U	U	U	330	---
2-Chloronaphthalene	U	U	U	800	---
2-Nitroaniline	U	U	U	330	430 OR MDL
Dimethylphthalate	U	U	U	330	2,000
2,6-Dinitrotoluene	U	U	U	330	1,000
Acenaphthylene	U	U	U	330	41,000
3-Nitroaniline	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	330	50,000
2,4-Dinitrophenol	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	800	100 OR MDL
Dibenzofuran	U	U	U	330	6,200
2,4-Dinitrotoluene	U	U	U	330	---
Diethylphthalate	U	U	U	330	7,100
Fluorene	U	U	U	330	50,000
4-Chlorophenyl-phenylether	U	U	U	330	---
4-Nitroaniline	U	U	U	800	---
4,6-Dinitro-2-methylphenol	U	U	U	800	---
N-Nitrosodiphenylamine	U	U	U	330	---
4-Bromophenyl-phenylether	U	U	U	330	---
Hexachlorobenzene	U	U	U	330	410
Atrazine	U	U	U	330	---
Pentachlorophenol	U	U	U	800	1,000 OR MDL
Phenanthrene	550	U	U	330	50,000
Anthracene	U	U	U	330	50,000
Carbazole	U	U	U	330	---
Di-n-butylphthalate	U	U	U	330	8,100
Fluoranthene	520	U	U	330	50,000
Pyrene	490	U	U	330	50,000
Butylbenzylphthalate	U	U	U	330	50,000
3,3'-Dichlorobenzidine	U	U	U	330	---
Benzo (a) anthracene	U	U	U	330	224 OR MDL
Chrysene	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	U	U	U	330	50,000
Di-n-octylphthalate	U	U	U	330	50,000
Benzo(b)fluoranthene	U	U	U	330	1,100
Benzo(k)fluoranthene	U	U	U	330	1,100
Benzo(a)pyrene	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	U	U	U	330	3,200
Dibenzo(a,h)anthracene	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	U	U	U	330	50,000

QUALIFIERS:

U: Compound analyzed for but not detected.

NOTES:

---: Not established.

Result exceeds NYSDEC Recommended Soil Cleanup Objective.

1676 THIRD AVENUE, NEW YORK, NY
PHASE II ENVIRONMENTAL SITE ASSESSMENT
SOIL SAMPLE RESULTS
METALS

SAMPLE ID	B-1	B-2	B-3		NYSDEC
SAMPLE DEPTH (FEET)	4-6	9-11	9-11	Instrument	Recommended
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07	Detection	Soil Cleanup
DILUTION FACTOR	1.0	1.0	1.0	Limits	Objectives
UNITS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	12,200	10,900	9,540	17	SB
Antimony	U	U	U	5.6	SB
Arsenic	2	2.5	0.69	3	7.5 or SB
Barium	44	41.7	78.2	4	300 or SB
Beryllium	U	U	U	0.5	0.16 or SB
Cadmium	U	0.02	U	0.7	10*
Calcium	1,820	1,670	2,020	240	SB
Chromium	18.3	14.7	20.7	0.6	50*
Cobalt	7.4	5.4	9.5	0.9	30 or SB
Copper	22.6	19.3	34.6	4	25 or SB
Iron	18,600	15,300	16,100	26	2,000 or SB
Lead	27.3	11	5.6	4	400
Magnesium	4,320	3,980	3,420	8	SB
Manganese	239	168	243	0.8	SB
Mercury	0.11	12	U	0.1	0.1
Nickel	14.8	14.5	16	0.8	13 or SB
Potassium	1140	1040	2,620	78	SB
Selenium	0.96	1.3	1.2	9	2 or SB
Silver	0.94	U	U	2	SB
Sodium	112	126	112	83	SB
Thallium	1.8	1.2	1.4	3	SB
Vanadium	19.5	14.8	29.6	0.7	150 or SB
Zinc	54.1	72.8	65.7	7	20 or SB

QUALIFIERS:

U: Compound analyzed for but not detected.

NOTES:

SB: Site background.

---: Not established.

*: As per proposed 4/95 NYSDEC TAGM.

Result exceeds NYSDEC Recommended Soil Cleanup Objective.



330 Crossways Park Drive, Woodbury, New York 11797-2015
516-364-9890 • 718-460-3634 • Fax: 516-364-9045

LETTER OF TRANSMITTAL

TO: Bevin Associates, LLC
C/O LKM Construction
155 East 56th Street
New York, NY 10022

DATE:	7/2/07	JOB NO:	2660
ATTENTION:	Steven Levine		
RE:	1676 Third Avenue Phase II		

WE ARE SENDING YOU

X Attached

☐ Under separate cover via _____ the following items:

☐ Shop Drawings

☐ Prints

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change Order

☐ _____

COPIES	DATE	DESCRIPTION
1	June 07	Laboratory Data Report

THESE ARE TRANSMITTED As checked below:

☐ For approval

X For your use

☐ As requested

☐ For review and comment

☐ FOR BIDS DUE _____ 19 _____

☐ Approved as submitted

☐ Approved as noted

☐ Returned for corrections

☐ Resubmit _____ copies for approval

☐ Submit _____ copies for distribution

☐ Return _____ corrected prints

☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Attached is the laboratory analytical report for the findings reported in our June 2, 2007 letter.

COPY TO: File

SIGNED: _____

Albert Jaroszewski

June 5, 2007

Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797
Attn: Ms. Robbin Petrella

RE: Client Project: Bevin Associates
Lab Work Order #: F0609

Dear Ms. Petrella:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,



Agnes R. Ng
CLP Project Manager

MITKEM CORPORATION

*** Data Summary Pack ***

Mitkem Corporation

New York State Department of Environmental Conservation Sample Identification and Analytical Requirements Summary

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
B14-6	F0609-01	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B14-6	F0609-01	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	
B29-11	F0609-02	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B29-11	F0609-02	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	
B39-11	F0609-03	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B39-11	F0609-03	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : NYS Standby Contract -- Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_LOW_S					
F0609-01B	SL	5/11/2007	5/12/2007	NA	5/18/2007
F0609-02B	SL	5/11/2007	5/12/2007	NA	5/18/2007
F0609-03B	SL	5/11/2007	5/12/2007	NA	5/18/2007
OLM4.2_VOA_MED_S					
F0609-01B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007
F0609-02B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007
F0609-03B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSSEMI

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_SVOA_S					
F0609-01A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-01ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-02A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-02ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-03A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-03ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_LOW_S					
F0609-01B	SL	LM4.2_VOA_LOW	NA	LOW	1
F0609-02B	SL	LM4.2_VOA_LOW	NA	LOW	1
F0609-03B	SL	LM4.2_VOA_LOW	NA	LOW	1
OLM4.2_VOA_MED_S					
F0609-01B	SL	LM4.2_VOA_MED	Methanol	MED	20
F0609-02B	SL	LM4.2_VOA_MED	Methanol	MED	8
F0609-03B	SL	LM4.2_VOA_MED	Methanol	MED	1

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSSEMI

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_SVOA_S					
F0609-01A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-01ADL	SL	OLM4.2_SVOA_S	3550B	GPC	20
F0609-02A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-02ADL	SL	OLM4.2_SVOA_S	3550B	GPC	2
F0609-03A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-03ADL	SL	OLM4.2_SVOA_S	3550B	GPC	10

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary ME

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM5.3_HG_S				
F0609-01A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-01ADUP	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-01AMS	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-02A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-03A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
ILM5.3_ICP_S				
F0609-01A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-01ADUP	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-01AMS	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-02A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-03A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007

Analytical Data Package for Dvirka & Bartilucci

Client Project No.: Bevin Associates

SDG# MF0609

Mitkem Work Order ID: F0609

June 5, 2007

Prepared For:

Dvirka & Bartilucci
330 Crossways Park Drive
Woodbury, NY 11797
Attn: Ms. Robbin Petrella

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Dvirka & Bartilucci's Bevin Associates project. Under this deliverable, analysis results are presented for three soil samples that were received on May 14, 2007. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column

Alkanes were determined as part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of toluene-d8 and bromofluorobenzene in sample B14-6 and high recovery of toluene-d8 in sample B39-11. Samples B14-6, B39-11 and B29-11 were re-analyzed at dilution with low recovery of 1,2-dichloroethane-d4.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: internal standard area counts were within QC criteria with the exception of samples B39-11DI and B14-6DL. Please note that internal standard area counts were within QC criteria in the initial analysis. Due to the high concentration of target analytes, the following samples were re-analyzed at dilution by the medium-level approach: B-14-6, B29-11 and B39-11. In addition to the medium level analysis, the following samples were further analyzed at dilution: B14-6 (20x) and B29-11 (8x). No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Alkanes were determined as part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: due to the high concentration of target analytes, the following samples were re-analyzed at dilution: B14-6 (20x), B29-11 (2x) and B39-11 (10x). No other unusual observation was made for the analysis.

4. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits ples.

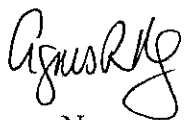
Matrix spike: matrix spike was performed on sample B14-6. Spike recoveries were within the QC limits with the exception of antimony, lead and mercury. Antimony and mercury are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony. The spike recovery for lead could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Duplicate: duplicate analysis was performed on sample B14-6. Replicate RPDs were within the QC limits with the exception of lead, zinc and mercury. Lead, zinc and mercury are flagged with an "*" on the data report forms.

Sample analysis: serial dilution was performed on sample B14-6. Percent differences were within the QC limits with the exception of zinc. Zinc is qualified with an "E" on the data report forms. Silver was detected in method blank MB-30257. Please note that silver was not detected in the associated samples. Silver was high in the first CRI. Please note that silver was not detected in the samples. No other unusual observations were made during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Agnes Ng
CLP Project Manager
06/05/07

ALKANE NARRATIVE REPORT
Report date : 06/04/2007
SDG: MF0609

Client Sample ID: B14-6	Lab Sample ID: F0609-01B	File ID: V5H7576
Compound	RT Est. Conc.	Q

Branched Alkane	5.50 5100	J
Branched Alkane	6.95 5300	J

Client Sample ID: B29-11	Lab Sample ID: F0609-02B	File ID: V5H7577
Compound	RT Est. Conc.	Q

Branched Alkane	3.61 310	J
Cyclic Alkane	4.73 270	J
Branched Alkane	5.51 310	J
Straight-chain Alkane	5.94 510	J
Branched Alkane	7.14 600	J
Branched Alkane	7.30 350	J
Straight-chain Alkane	7.76 250	J

Client Sample ID: B39-11	Lab Sample ID: F0609-03B	File ID: V5H7578
Compound	RT Est. Conc.	Q

Branched Alkane	3.61 0.0	
Branched Alkane	5.51 0.0	
Straight-chain Alkane	5.94 0.0	
Branched Alkane	7.16 0.0	
Branched Alkane	7.31 0.0	

Client Sample ID: B29-11DL	Lab Sample ID: F0609-02BDL	File ID: V5H7656
Compound	RT Est. Conc.	Q

Branched Alkane	5.32 4300	JD
Branched Alkane	5.49 4100	JD
Branched Alkane	6.93 1400	JD

Client Sample ID: B39-11DL	Lab Sample ID: F0609-03BDL	File ID: V5H7657
Compound	RT Est. Conc.	Q

Branched Alkane	7.29 290	J
Straight-chain Alkane	12.46 360	J

Client Sample ID: B14-6DL	Lab Sample ID: F0609-01BDL	File ID: V5H7658
Compound	RT Est. Conc.	Q

Branched Alkane	7.14 4700	JD
Branched Alkane	12.08 3900	JD
Straight-chain Alkane	12.46 10000	JD

ALKANE NARRATIVE REPORT
Report date : 06/04/2007
SDG: MF0609

Client Sample ID: B14-6	Lab Sample ID: F0609-01A	File ID: S1F2954
Compound	RT	Est. Conc. Q
Straight-chain Alkane	8.21	41000 J
Straight-chain Alkane	10.44	25000 J
Straight-chain Alkane	11.41	15000 J
Straight-chain Alkane	12.31	2800 J
Straight-chain Alkane	13.18	1100 J

Client Sample ID: B29-11	Lab Sample ID: F0609-02A	File ID: S1F2955
Compound	RT	Est. Conc. Q
Branched Alkane	8.38	110 J
Straight-chain Alkane	10.36	300 J
Branched Alkane	10.95	140 J
Straight-chain Alkane	11.36	300 J
Straight-chain Alkane	12.29	500 J

Client Sample ID: B39-11	Lab Sample ID: F0609-03A	File ID: S1F2956
Compound	RT	Est. Conc. Q
Straight-chain Alkane	10.37	390 J
Straight-chain Alkane	11.37	270 J
Straight-chain Alkane	12.29	970 J

Client Sample ID: B14-6DL	Lab Sample ID: F0609-01ADL	File ID: S1F2957
Compound	RT	Est. Conc. Q
Straight-chain Alkane	8.12	14000 JD
Branched Alkane	8.38	5300 JD
Branched Alkane	8.58	4300 JD
Branched Alkane	8.95	7600 JD
Branched Alkane	9.53	2100 JD
Branched Alkane	9.97	8800 JD
Straight-chain Alkane	10.35	12000 JD
Branched Alkane	11.00	2500 JD
Straight-chain Alkane	11.35	5400 JD

Client Sample ID: B29-11DL	Lab Sample ID: F0609-02ADL	File ID: S1F2958
Compound	RT	Est. Conc. Q
Branched Alkane	9.98	960 JD
Straight-chain Alkane	10.35	910 JD
Straight-chain Alkane	11.35	690 JD
Straight-chain Alkane	12.29	580 JD

Client Sample ID: B39-11DL	Lab Sample ID: F0609-03ADL	File ID: S1F2959
Compound	RT	Est. Conc. Q
Straight-chain Alkane	8.11	950 JD

Straight-chain Alkane	10.35	2500	JD
Straight-chain Alkane	11.35	1700	JD
Straight-chain Alkane	12.29	820	JD

Mitkem and Client Sample ID Summary Report*

Mitkem Workorder: F0609

Client Name: Dvirka & Bartilucci

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
F0609-01A	B14-6	B1 4-6'
F0609-01B	B14-6	B1 4-6'
F0609-02A	B29-11	B2 9-11'
F0609-02B	B29-11	B2 9-11'
F0609-03A	B39-11	B3 9-11'
F0609-03B	B39-11	B3 9-11'

**** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"***

Mitkem Corporation

15/May/07 11:52

WorkOrder: F0609

Client ID: DVIRKA_WOODBURY

Project: NYS Standby Contract

Location: BEVIN ASSOCIATES

Comments: N/A

Case:

SDG:

PO: 2660-02

Report Level: ASP-B

EDD:

HC Due: 06/04/07

Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0609-01A	B14-6	05/11/2007 10:00	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	☐	☐	☐	H2
					ILM5.3_ICP_S	ILM5.3	☐	☐	☒	H2
					OLM4.2_PH	NYS-Add LCS	☐	☐	☐	H2
					OLM4.2_SVOA_S	NYS-Add LCS	☐	☐	☐	H2
					PMoist		☐	☐	☐	H2
F0609-01B	B14-6	05/11/2007 10:00	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	☐	☐	☐	VOA
F0609-02A	B29-11	05/11/2007 12:00	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	☐	☐	☐	H2
					ILM5.3_ICP_S	ILM5.3	☐	☐	☒	H2
					OLM4.2_PH	NYS-Add LCS	☐	☐	☐	H2
					OLM4.2_SVOA_S	NYS-Add LCS	☐	☐	☐	H2
					PMoist		☐	☐	☐	H2
F0609-02B	B29-11	05/11/2007 12:00	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	☐	☐	☐	VOA
F0609-03A	B39-11	05/11/2007 13:20	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	☐	☐	☐	H2
					ILM5.3_ICP_S	ILM5.3	☐	☐	☒	H2
					OLM4.2_PH	NYS-Add LCS	☐	☐	☐	H2

Client Rep: Agnes R Ng

Page 1 of 2

55555

Report Level: ASP-B
 EDD:
 HC Due: 06/04/07
 Fax Due:

Case:
 SDG:
 PO: 2660-02

Client ID: DVIRKA_WOODBURY
 Project: NYS Standby Contract
 Location: BEVIN ASSOCIATES
 Comments: N/A

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0609-03A	B39-11	05/11/2007 13:20	05/12/2007	Soil	OLM4.2_SVOA_S	NYS-Add LCS	☐	☐	☐	H2
					PMoist		☐	☐	☐	H2
F0609-03B	B39-11	05/11/2007 13:20	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	☐	☐	☐	VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01B

Sample wt/vol: 4.3(g/mL) G Lab File ID: V5H7576

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	21	
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	140	
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01B

Sample wt/vol: 4.3 (g/mL) G Lab File ID: V5H7576

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	2500	E
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	8100	E
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	32000	E
1330-20-7	Xylene (Total)	78000	E
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	2800	E
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01B

Sample wt/vol: 4.3 (g/mL) G Lab File ID: V5H7576

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 28

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 763-29-1	1-PENTENE, 2-METHYL-	4.73	4500	NJ
2.	UNKNOWN	5.33	3200	J
3.	UNKNOWN	5.93	5400	J
4.	UNKNOWN	6.07	4000	J
5.	UNKNOWN	6.70	2600	J
6.	UNKNOWN	7.31	3700	J
7.	UNKNOWN	7.77	7200	J
8.	UNKNOWN	10.53	5800	J
9.	UNKNOWN	10.66	2600	J
10. 103-65-1	BENZENE, PROPYL-	10.82	17000	NJ
11. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	10.96	65000	NJ
12. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.07	36000	NJ
13. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.29	26000	NJ
14. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.52	61000	NJ
15. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	11.80	3800	NJ
16. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.99	26000	NJ
17. 873-49-4	BENZENE, CYCLOPROPYL-	12.23	28000	NJ
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.33	18000	NJ
19.	UNKNOWN	12.49	6100	J
20. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.55	4700	NJ
21. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.66	7200	NJ
22. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.69	5700	NJ
23. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.78	9300	NJ
24. 1560-06-1	BENZENE, 2-BUTENYL-	12.92	6100	NJ
25. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.26	4500	NJ
26. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	13.33	4800	NJ
27. 824-90-8	1-PHENYL-1-BUTENE	13.64	2800	NJ
28. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.84	4500	NJ
29.				
30.				

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01BDL

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H7658

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 27

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.76	26000	JD
2.	UNKNOWN	6.93	24000	JD
3.	UNKNOWN	7.07	28000	JD
4.	UNKNOWN	7.29	32000	JD
5.	UNKNOWN	7.75	33000	JD
6.	UNKNOWN	8.87	56000	JD
7.	UNKNOWN	9.01	35000	JD
8.	UNKNOWN	10.60	43000	JD
9. 103-65-1	BENZENE, PROPYL-	10.79	59000	NJD
10. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	10.89	300000	NJD
11. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.00	180000	NJD
12. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	86000	NJD
13. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	360000	NJD
14. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	140000	NJD
15. 622-97-9	BENZENE, 1-ETHENYL-4-METHYL-	12.19	130000	NJD
16. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	12.30	130000	NJD
17. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.52	36000	NJD
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.64	45000	NJD
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	12.67	59000	NJD
20. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.76	91000	NJD
21. 1005-64-7	BENZENE, 1-BUTENYL-, (E)-	12.89	52000	NJD
22. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.24	62000	NJD
23. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	13.31	71000	NJD
24.	UNKNOWN	13.45	43000	JD
25. 824-90-8	1-PHENYL-1-BUTENE	13.63	36000	NJD
26. 934-10-1	3-PHENYLBUT-1-ENE	13.82	110000	NJD
27. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	14.30	32000	NJD
28.				
29.				
30.				

FORM I VOA-TIC

OLM04.3

5515

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02B

Sample wt/vol: 4.5(g/mL) G Lab File ID: V5H7577

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 15 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	7	J
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	35	
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	13	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02B

Sample wt/vol: 4.5 (g/mL) G Lab File ID: V5H7577

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 15 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	500	E
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	86	
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	4400	E
1330-20-7	Xylene (Total)	11000	E
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	430	E
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02B

Sample wt/vol: 4.5 (g/mL) G Lab File ID: V5H7577

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 15 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 23

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.33	340	J
2.	UNKNOWN	5.41	280	J
3.	UNKNOWN	5.76	440	J
4.	UNKNOWN	6.06	410	J
5.	UNKNOWN	7.08	560	J
6.	UNKNOWN	8.89	300	J
7. 103-65-1	BENZENE, PROPYL-	10.79	670	NJ
8. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	10.91	3200	NJ
9. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.01	1300	NJ
10. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.24	860	NJ
11. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.48	3300	NJ
12. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.96	1100	NJ
13. 611-15-4	BENZENE, 1-ETHENYL-2-METHYL-	12.20	1400	NJ
14. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.31	810	NJ
15. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	12.64	390	NJ
16. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.67	320	NJ
17. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.77	490	NJ
18. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	12.90	520	NJ
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.25	310	NJ
20. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.31	430	NJ
21. 3333-13-9	BENZENE, 1-METHYL-4-(2-PROPE	13.64	290	NJ
22. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.83	590	NJ
23. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	14.04	420	NJ
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02BDL

Sample wt/vol: 4.8 (g/mL) G Lab File ID: V5H7656

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 15 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	5600	U
74-87-3	Chloromethane	5600	U
75-01-4	Vinyl Chloride	5600	U
74-83-9	Bromomethane	5600	U
75-00-3	Chloroethane	5600	U
75-69-4	Trichlorofluoromethane	5600	U
75-35-4	1,1-Dichloroethene	5600	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5600	U
67-64-1	Acetone	5600	U
75-15-0	Carbon Disulfide	5600	U
79-20-9	Methyl Acetate	5600	U
75-09-2	Methylene Chloride	5600	U
156-60-5	trans-1,2-Dichloroethene	5600	U
1634-04-4	Methyl tert-Butyl Ether	5600	U
75-34-3	1,1-Dichloroethane	5600	U
156-59-2	cis-1,2-Dichloroethene	5600	U
78-93-3	2-Butanone	5600	U
67-66-3	Chloroform	5600	U
71-55-6	1,1,1-Trichloroethane	5600	U
110-82-7	Cyclohexane	5600	U
56-23-5	Carbon Tetrachloride	5600	U
71-43-2	Benzene	5600	U
107-06-2	1,2-Dichloroethane	5600	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02BDL

Sample wt/vol: 4.8(g/mL) G Lab File ID: V5H7656

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 15 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	5600	U
108-87-2	Methylcyclohexane	5600	U
78-87-5	1,2-Dichloropropane	5600	U
75-27-4	Bromodichloromethane	5600	U
10061-01-5	cis-1,3-Dichloropropene	5600	U
108-10-1	4-Methyl-2-Pentanone	5600	U
108-88-3	Toluene	5600	U
10061-02-6	trans-1,3-Dichloropropene	5600	U
79-00-5	1,1,2-Trichloroethane	5600	U
127-18-4	Tetrachloroethene	5600	U
591-78-6	2-Hexanone	5600	U
124-48-1	Dibromochloromethane	5600	U
106-93-4	1,2-Dibromoethane	5600	U
108-90-7	Chlorobenzene	5600	U
100-41-4	Ethylbenzene	57000	D
1330-20-7	Xylene (Total)	170000	D
100-42-5	Styrene	5600	U
75-25-2	Bromoform	5600	U
98-82-8	Isopropylbenzene	6000	D
79-34-5	1,1,2,2-Tetrachloroethane	5600	U
541-73-1	1,3-Dichlorobenzene	5600	U
106-46-7	1,4-Dichlorobenzene	5600	U
95-50-1	1,2-Dichlorobenzene	5600	U
96-12-8	1,2-Dibromo-3-chloropropane	5600	U
120-82-1	1,2,4-Trichlorobenzene	5600	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02BDL

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: V5H7656

Level: (low/med) MED

Date Received: 05/12/07

% Moisture: not dec. 15

Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 8.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	5.76	15000	JD
2.	UNKNOWN	5.92	6200	JD
3. 6728-26-3	2-HEXENAL, (E) -	6.51	9500	NJD
4.	UNKNOWN	7.07	14000	JD
5.	UNKNOWN	7.14	11000	JD
6.	UNKNOWN	7.29	11000	JD
7.	UNKNOWN	7.75	19000	JD
8.	UNKNOWN	8.87	29000	JD
9.	UNKNOWN	9.00	18000	JD
10.	UNKNOWN	10.02	14000	JD
11. 103-65-1	BENZENE, PROPYL-	10.78	23000	NJD
12. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	10.88	140000	NJD
13. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.00	66000	NJD
14. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	31000	NJD
15. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	150000	NJD
16. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	55000	NJD
17.	UNKNOWN	12.18	59000	JD
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.30	46000	NJD
19.	UNKNOWN	12.46	15000	JD
20. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.66	39000	NJD
21. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.75	34000	NJD
22. 6004-38-2	4,7-METHANO-1H-INDENE, OCTAH	12.93	32000	NJD
23. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.24	23000	NJD
24. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.31	28000	NJD
25.	UNKNOWN	13.45	17000	JD
26. 934-10-1	3-PHENYLBUT-1-ENE	13.82	40000	NJD
27. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	14.03	28000	NJD
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03B

Sample wt/vol: 4.2 (g/mL) G Lab File ID: V5H7578

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 10 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	7	J
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-03B

Sample wt/vol: 4.2(g/mL) G

Lab File ID: V5H7578

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: not dec. 10

Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	830	E
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	3700	E
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	5300	E
1330-20-7	Xylene (Total)	25000	E
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	740	E
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03B

Sample wt/vol: 4.2 (g/mL) G Lab File ID: V5H7578

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. 10 Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.79	2100	J
2.	UNKNOWN	6.08	880	J
3.	UNKNOWN	6.58	730	J
4.	UNKNOWN	7.09	1400	J
5.	UNKNOWN	7.76	480	J
6. 108-38-3	BENZENE, 1,3-DIMETHYL-	9.47	3200	NJ
7.	UNKNOWN	10.51	500	J
8.	UNKNOWN	10.64	250	J
9. 103-65-1	BENZENE, PROPYL-	10.80	620	NJ
10. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	10.94	2400	NJ
11. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.03	1300	NJ
12. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.27	900	NJ
13. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.51	2400	NJ
14. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.98	1000	NJ
15.	UNKNOWN	12.21	770	J
16. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.24	580	NJ
17. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.34	1000	NJ
18. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.54	320	NJ
19. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.66	420	NJ
20. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.70	450	NJ
21. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	12.79	650	NJ
22. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	12.92	470	NJ
23. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.26	460	NJ
24. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.33	510	NJ
25. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.65	400	NJ
26.	UNKNOWN	13.85	630	J
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03BDL

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H7657

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 10 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	600	U
74-87-3	Chloromethane	600	U
75-01-4	Vinyl Chloride	600	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	600	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	600	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	600	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	600	U
79-20-9	Methyl Acetate	600	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
1634-04-4	Methyl tert-Butyl Ether	600	U
75-34-3	1,1-Dichloroethane	600	U
156-59-2	cis-1,2-Dichloroethene	600	U
78-93-3	2-Butanone	600	U
67-66-3	Chloroform	600	U
71-55-6	1,1,1-Trichloroethane	600	U
110-82-7	Cyclohexane	600	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	600	U
107-06-2	1,2-Dichloroethane	600	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03BDL

Sample wt/vol: 5.1(g/mL) G Lab File ID: V5H7657

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 10 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	600	U
108-87-2	Methylcyclohexane	1300	D
78-87-5	1,2-Dichloropropane	600	U
75-27-4	Bromodichloromethane	600	U
10061-01-5	cis-1,3-Dichloropropene	600	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	130	DJ
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	600	U
591-78-6	2-Hexanone	600	U
124-48-1	Dibromochloromethane	600	U
106-93-4	1,2-Dibromoethane	600	U
108-90-7	Chlorobenzene	600	U
100-41-4	Ethylbenzene	1700	D
1330-20-7	Xylene (Total)	13000	D
100-42-5	Styrene	600	U
75-25-2	Bromoform	600	U
98-82-8	Isopropylbenzene	540	DJ
79-34-5	1,1,2,2-Tetrachloroethane	600	U
541-73-1	1,3-Dichlorobenzene	600	U
106-46-7	1,4-Dichlorobenzene	600	U
95-50-1	1,2-Dichlorobenzene	600	U
96-12-8	1,2-Dibromo-3-chloropropane	600	U
120-82-1	1,2,4-Trichlorobenzene	600	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03BDL

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H7657

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 10 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.76	2000	JD
2.	UNKNOWN	7.07	1700	JD
3.	UNKNOWN	7.14	3400	JD
4.	UNKNOWN	7.75	3200	JD
5.	UNKNOWN	8.87	5300	JD
6.	UNKNOWN	9.01	3200	JD
7.	UNKNOWN	10.60	3500	JD
8. 103-65-1	BENZENE, PROPYL-	10.79	3500	NJD
9. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	10.89	17000	NJD
10. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.00	11000	NJD
11. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	5400	NJD
12. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	22000	NJD
13. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	9400	NJD
14. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.22	10000	NJD
15. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.30	10000	NJD
16. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.52	2800	NJD
17. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.64	3900	NJD
18. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.67	4600	NJD
19. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.76	7600	NJD
20. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	12.89	5600	NJD
21. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.24	4900	NJD
22. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.31	6000	NJD
23.	UNKNOWN	13.45	4200	JD
24. 824-90-8	1-PHENYL-1-BUTENE	13.63	3800	NJD
25. 934-10-1	3-PHENYLBUT-1-ENE	13.82	9900	NJD
26. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	14.30	3700	NJD
27. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	14.42	2700	NJD
28.	UNKNOWN	14.84	2500	JD
29.				
30.				

FORM I VOA-TIC.

OLM04.3

0028

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5RLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: LCS-29998

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H7575

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	54	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	55	
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1

OLM04.3

0029

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5RLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: LCS-29998

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5H7575

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01A

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1F2954

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy) methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	18000	E
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	21000	E
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	380	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	150	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1F2954

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	42	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	180	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	550	
120-12-7	Anthracene	160	J
86-74-8	Carbazole	110	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	520	
129-00-0	Pyrene	490	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	290	JB
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	290	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	200	J
193-39-5	Indeno(1,2,3-cd)pyrene	100	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	95	J

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1F2954

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.65	7000	J
2.	UNKNOWN	7.74	14000	J
3.	UNKNOWN	8.39	7400	J
4. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	8.58	26000	NJ
5. 496-11-7	INDANE	8.76	12000	NJ
6.	UNKNOWN	8.96	41000	J
7. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	9.08	7800	NJ
8.	UNKNOWN	9.46	8000	J
9. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	9.53	16000	NJ
10.	UNKNOWN	9.61	2300	J
11. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.68	23000	NJ
12.	UNKNOWN	9.73	20000	J
13. 874-35-1	1H-INDENE, 2,3-DIHYDRO-5-MET	9.95	36000	NJ
14.	UNKNOWN	10.05	21000	J
15. 2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	10.18	11000	NJ
16.	UNKNOWN	10.26	10000	J
17. 275-51-4	AZULENE	10.54	39000	NJ
18. 17851-27-3	BENZENE, 1-ETHYL-2,4,5-TRIME	10.61	8400	NJ
19. 4810-04-2	BENZENE, 1,3,5-TRIMETHYL-2-P	10.72	4100	NJ
20.	UNKNOWN	10.86	2200	J
21. 56147-63-8	2-ETHYL-2,3-DIHYDRO-1H-INDEN	10.93	12000	NJ
22.	UNKNOWN	10.98	3000	J
23.	UNKNOWN	11.03	4500	J
24. 769-57-3	.ALPHA., .BETA., .BETA.-TRIMET	11.23	4300	NJ
25.	UNKNOWN	11.29	4900	J
26. 50704-01-3	BENZENE, (1,3-DIMETHYL-2-BUT	11.50	2400	NJ
27.	UNKNOWN	11.55	2000	J
28. 90-12-0	NAPHTHALENE, 1-METHYL-	11.83	15000	NJ
29. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.67	3500	NJ
30. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.78	3500	NJ

FORM I SV-TIC

OLM04.3

5000

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01ADL

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1F2957

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	7800	U
108-95-2	Phenol	7800	U
111-44-4	bis(2-Chloroethyl) Ether	7800	U
95-57-8	2-Chlorophenol	7800	U
95-48-7	2-Methylphenol	7800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7800	U
98-86-2	Acetophenone	7800	U
106-44-5	4-Methylphenol	7800	U
621-64-7	N-Nitroso-di-n-propylamine	7800	U
67-72-1	Hexachloroethane	7800	U
98-95-3	Nitrobenzene	7800	U
78-59-1	Isophorone	7800	U
88-75-5	2-Nitrophenol	7800	U
105-67-9	2,4-Dimethylphenol	7800	U
111-91-1	bis(2-Chloroethoxy) methane	7800	U
120-83-2	2,4-Dichlorophenol	7800	U
91-20-3	Naphthalene	28000	D
106-47-8	4-Chloroaniline	7800	U
87-68-3	Hexachlorobutadiene	7800	U
105-60-2	Caprolactam	7800	U
59-50-7	4-Chloro-3-Methylphenol	7800	U
91-57-6	2-Methylnaphthalene	31000	D
77-47-4	Hexachlorocyclopentadiene	7800	U
88-06-2	2,4,6-Trichlorophenol	7800	U
95-95-4	2,4,5-Trichlorophenol	20000	U
92-52-4	1,1'-Biphenyl	7800	U
91-58-7	2-Chloronaphthalene	7800	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	7800	U
606-20-2	2,6-Dinitrotoluene	7800	U
208-96-8	Acenaphthylene	7800	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	7800	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01ADL

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1F2957

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.5

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	7800	U
121-14-2	2,4-Dinitrotoluene	7800	U
84-66-2	Diethylphthalate	7800	U
86-73-7	Fluorene	7800	U
7005-72-3	4-Chlorophenyl-phenylether	7800	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine (1)	7800	U
101-55-3	4-Bromophenyl-phenylether	7800	U
118-74-1	Hexachlorobenzene	7800	U
1912-24-9	Atrazine	7800	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	7800	U
120-12-7	Anthracene	7800	U
86-74-8	Carbazole	7800	U
84-74-2	Di-n-butylphthalate	7800	U
206-44-0	Fluoranthene	7800	U
129-00-0	Pyrene	7800	U
85-68-7	Butylbenzylphthalate	7800	U
91-94-1	3,3'-Dichlorobenzidine	7800	U
56-55-3	Benzo(a)anthracene	7800	U
218-01-9	Chrysene	7800	U
117-81-7	bis(2-Ethylhexyl)phthalate	7800	U
117-84-0	Di-n-octylphthalate	7800	U
205-99-2	Benzo(b)fluoranthene	7800	U
207-08-9	Benzo(k)fluoranthene	7800	U
50-32-8	Benzo(a)pyrene	7800	U
193-39-5	Indeno(1,2,3-cd)pyrene	7800	U
53-70-3	Dibenzo(a,h)anthracene	7800	U
191-24-2	Benzo(g,h,i)perylene	7800	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION Contract: _____
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609
Matrix: (soil/water) SOIL Lab Sample ID: F0609-01ADL
Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1F2957
Level: (low/med) LOW Date Received: 05/12/07
% Moisture: 16 Decanted: (Y/N) N Date Extracted: 05/18/07
Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07
Injection Volume: 2.0 (uL) Dilution Factor: 20.0
GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	17000	NJD
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	45000	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	22000	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.95	15000	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.16	77000	NJD
6. 36231-13-7	1,2,3,4,5,8-HEXAHYDRONAPHTHA	8.33	6700	NJD
7. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.51	24000	NJD
8. 496-11-7	INDANE	8.70	12000	NJD
9. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	8.78	13000	NJD
10. 1074-17-5	BENZENE, 1-METHYL-2-PROPYL-	8.82	28000	NJD
11. 105-05-5	BENZENE, 1,4-DIETHYL-	8.88	41000	NJD
12. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	9.00	7800	NJD
13. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	9.11	14000	NJD
14. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.14	17000	NJD
15. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	9.22	30000	NJD
16. 2096-86-8	4-METHYLPHENYL ACETONE	9.39	8200	NJD
17. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	9.46	6800	NJD
18. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	12000	NJD
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.64	16000	NJD
20. 700-12-9	BENZENE, PENTAMETHYL-	9.79	5000	NJD
21. 494-97-3	PYRIDINE, 3-(2-PYRROLIDINYL)	9.84	8600	NJD
22. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	9.90	11000	NJD
23. 824-90-8	1-PHENYL-1-BUTENE	10.01	23000	NJD
24. 4920-99-4	BENZENE, 1-ETHYL-3-(1-METHYL	10.12	6400	NJD
25. 1595-16-0	BENZENE, 1-METHYL-4-(1-METHY	10.20	5900	NJD
26. 20836-11-7	1H-INDENE, 2,3-DIHYDRO-2,2-DI	10.41	7000	NJD
27. 700-12-9	BENZENE, PENTAMETHYL-	10.55	4700	NJD
28. 4701-36-4	BENZENE, (1-ETHYL-1-PROPENYL	10.88	6100	NJD
29. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.05	5000	NJD
30. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	6500	NJD

FORM I SV-TIC

OLM04.3

6036

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02A

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2955

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy) methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	2500	
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	3600	E
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	79	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2955

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	42	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo (a) anthracene	54	J
218-01-9	Chrysene	60	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	JB
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo (b) fluoranthene	64	J
207-08-9	Benzo (k) fluoranthene	390	U
50-32-8	Benzo (a) pyrene	44	J
193-39-5	Indeno (1,2,3-cd) pyrene	390	U
53-70-3	Dibenzo (a,h) anthracene	390	U
191-24-2	Benzo (g,h,i) perylene	390	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2955

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	430	NJ
2. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	290	NJ
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	980	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.51	400	NJ
5. 496-11-7	INDANE	8.70	220	NJ
6.	UNKNOWN	8.78	280	J
7.	UNKNOWN	8.82	520	J
8. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	8.88	900	NJ
9. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	9.11	290	NJ
10. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.15	360	NJ
11.	UNKNOWN	9.40	250	J
12. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	9.46	310	NJ
13. 6004-38-2	4,7-METHANO-1H-INDENE, OCTAH	9.50	260	NJ
14.	UNKNOWN	9.60	520	J
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.64	670	NJ
16.	UNKNOWN	9.86	500	J
17. 934-10-1	3-PHENYLBUT-1-ENE	9.90	640	NJ
18.	UNKNOWN	9.98	460	J
19.	UNKNOWN	10.12	360	J
20. 1559-81-5	NAPHTHALENE, 1,2,3,4-TETRAHY	10.41	410	NJ
21. 4701-36-4	BENZENE, (1-ETHYL-1-PROPENYL	10.89	450	NJ
22.	UNKNOWN	11.01	210	J
23. 1680-51-9	NAPHTHALENE, 1,2,3,4-TETRAHY	11.25	200	NJ
24. 90-12-0	NAPHTHALENE, 1-METHYL-	11.78	490	NJ
25. 1127-76-0	NAPHTHALENE, 1-ETHYL-	12.53	340	NJ
26. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.65	590	NJ
27. 569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	12.77	620	NJ
28. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	12.81	440	NJ
29. 57-10-3	N-HEXADECANOIC ACID	16.66	1000	NJ
30. 57-11-4	OCTADECANOIC ACID	17.97	1100	NJ

FORM I SV-TIC

OLM04.3

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02ADL

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2958

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/01/07

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	770	U
108-95-2	Phenol	770	U
111-44-4	bis(2-Chloroethyl) Ether	770	U
95-57-8	2-Chlorophenol	770	U
95-48-7	2-Methylphenol	770	U
108-60-1	2,2'-oxybis(1-Chloropropane)	770	U
98-86-2	Acetophenone	770	U
106-44-5	4-Methylphenol	770	U
621-64-7	N-Nitroso-di-n-propylamine	770	U
67-72-1	Hexachloroethane	770	U
98-95-3	Nitrobenzene	770	U
78-59-1	Isophorone	770	U
88-75-5	2-Nitrophenol	770	U
105-67-9	2,4-Dimethylphenol	770	U
111-91-1	bis(2-Chloroethoxy)methane	770	U
120-83-2	2,4-Dichlorophenol	770	U
91-20-3	Naphthalene	2600	D
106-47-8	4-Chloroaniline	770	U
87-68-3	Hexachlorobutadiene	770	U
105-60-2	Caprolactam	770	U
59-50-7	4-Chloro-3-Methylphenol	770	U
91-57-6	2-Methylnaphthalene	3600	D
77-47-4	Hexachlorocyclopentadiene	770	U
88-06-2	2,4,6-Trichlorophenol	770	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	1,1'-Biphenyl	91	DJ
91-58-7	2-Chloronaphthalene	770	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	770	U
606-20-2	2,6-Dinitrotoluene	770	U
208-96-8	Acenaphthylene	770	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	770	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02ADL

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2958

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/01/07

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	770	U
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
86-73-7	Fluorene	770	U
7005-72-3	4-Chlorophenyl-phenylether	770	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
1912-24-9	Atrazine	770	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	150	DJ
120-12-7	Anthracene	770	U
86-74-8	Carbazole	770	U
84-74-2	Di-n-butylphthalate	770	U
206-44-0	Fluoranthene	130	DJ
129-00-0	Pyrene	130	DJ
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	770	U
218-01-9	Chrysene	770	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	DJB
117-84-0	Di-n-octylphthalate	770	U
205-99-2	Benzo(b)fluoranthene	770	U
207-08-9	Benzo(k)fluoranthene	770	U
50-32-8	Benzo(a)pyrene	770	U
193-39-5	Indeno(1,2,3-cd)pyrene	770	U
53-70-3	Dibenzo(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	770	U

(1) - Cannot be separated from Diphenylamine

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02ADL

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2958

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	770	U
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
86-73-7	Fluorene	770	U
7005-72-3	4-Chlorophenyl-phenylether	770	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
1912-24-9	Atrazine	770	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	150	DJ
120-12-7	Anthracene	770	U
86-74-8	Carbazole	770	U
84-74-2	Di-n-butylphthalate	770	U
206-44-0	Fluoranthene	130	DJ
129-00-0	Pyrene	130	DJ
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo (a) anthracene	770	U
218-01-9	Chrysene	770	U
117-81-7	bis (2-Ethylhexyl) phthalate	360	DJB
117-84-0	Di-n-octylphthalate	770	U
205-99-2	Benzo (b) fluoranthene	770	U
207-08-9	Benzo (k) fluoranthene	770	U
50-32-8	Benzo (a) pyrene	770	U
193-39-5	Indeno (1,2,3-cd) pyrene	770	U
53-70-3	Dibenzo (a,h) anthracene	770	U
191-24-2	Benzo (g,h,i) perylene	770	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02ADL

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2958

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 15 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	760	NJD
2. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	7.72	1600	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	970	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.94	560	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	3600	NJD
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.50	1500	NJD
7. 496-11-7	INDANE	8.70	960	NJD
8.	UNKNOWN	8.78	1200	JD
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.81	1900	NJD
10. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	8.87	3200	NJD
11.	UNKNOWN	8.95	770	JD
12. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	9.10	1100	NJD
13. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.14	1300	NJD
14.	UNKNOWN	9.39	1100	JD
15.	UNKNOWN	9.46	610	JD
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	880	NJD
17.	UNKNOWN	9.85	950	JD
18. 824-90-8	1-PHENYL-1-BUTENE	9.90	1100	NJD
19. 824-90-8	1-PHENYL-1-BUTENE	10.01	1600	NJD
20. 2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	10.12	710	NJD
21. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	10.18	1100	NJD
22. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	10.41	820	NJD
23. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	10.55	750	NJD
24.	UNKNOWN	10.88	940	JD
25.	UNKNOWN	11.00	550	JD
26. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	830	NJD
27. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.63	660	NJD
28. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	12.75	720	NJD
29. 57-10-3	N-HEXADECANOIC ACID	16.64	830	NJD
30. 57-11-4	OCTADECANOIC ACID	17.96	830	NJD

FORM I SV-TIC

OLM04.3

0042

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2956

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	64	J
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	64	J
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy) methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	7000	E
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	10000	E
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	49	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03A

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2956

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/01/07

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	51	J
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	920	U
87-86-5	Pentachlorophenol	120	J
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	80	J
129-00-0	Pyrene	82	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION Contract: _____
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609
Matrix: (soil/water) SOIL Lab Sample ID: F0609-03A
Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2956
Level: (low/med) LOW Date Received: 05/12/07
% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07
Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	230	NJ
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	750	NJ
3. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.96	280	NJ
4. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	8.18	1700	NJ
5.	UNKNOWN	8.45	160	J
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.51	550	NJ
7. 496-11-7	INDANE	8.70	260	NJ
8.	UNKNOWN	8.78	320	J
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.82	710	NJ
10.	UNKNOWN	9.13	490	J
11. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.16	430	NJ
12.	UNKNOWN	9.41	160	J
13. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	9.47	310	NJ
14.	UNKNOWN	9.61	580	J
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.66	730	NJ
16.	UNKNOWN	9.78	240	J
17.	UNKNOWN	9.86	310	J
18. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	9.91	540	NJ
19.	UNKNOWN	10.13	300	J
20.	UNKNOWN	10.21	330	J
21. 700-12-9	BENZENE, PENTAMETHYL-	10.56	220	NJ
22.	UNKNOWN	10.68	110	J
23. 4701-36-4	BENZENE, (1-ETHYL-1-PROPENYL	10.89	330	NJ
24. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.06	320	NJ
25.	UNKNOWN	11.25	170	J
26. 90-12-0	NAPHTHALENE, 1-METHYL-	11.79	650	NJ
27.	UNKNOWN	11.90	450	J
28.	UNKNOWN	11.96	590	J
29. 1127-76-0	NAPHTHALENE, 1-ETHYL-	12.53	780	NJ
30. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	12.77	1300	NJ

FORM I SV-TIC

OLM04.3

6645

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03ADL

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2959

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/01/07

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl) Ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	7700	D
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-Methylphenol	3600	U
91-57-6	2-Methylnaphthalene	10000	D
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	9200	U
92-52-4	1,1'-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	9200	U
131-11-3	Dimethylphthalate	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
208-96-8	Acenaphthylene	3600	U
99-09-2	3-Nitroaniline	9200	U
83-32-9	Acenaphthene	3600	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-03ADL

Sample wt/vol: 30.2(g/mL) G Lab File ID: S1F2959

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/01/07

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	9200	U
100-02-7	4-Nitrophenol	9200	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
86-73-7	Fluorene	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
100-01-6	4-Nitroaniline	9200	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
86-30-6	N-Nitrosodiphenylamine (1)	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3'-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U
117-84-0	Di-n-octylphthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenzo(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION Contract: _____
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609
Matrix: (soil/water) SOIL Lab Sample ID: F0609-03ADL
Sample wt/vol: 30.2 (g/mL) G Lab File ID: S1F2959
Level: (low/med) LOW Date Received: 05/12/07
% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/18/07
Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07
Injection Volume: 2.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.63	2200	JD
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	6000	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	4200	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.95	2600	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	16000	NJD
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.50	5200	NJD
7. 496-11-7	INDANE	8.70	2200	NJD
8.	UNKNOWN	8.77	3000	JD
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.81	6800	NJD
10. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	8.87	11000	NJD
11.	UNKNOWN	8.95	1300	JD
12. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	9.10	3900	NJD
13. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	9.14	3700	NJD
14.	UNKNOWN	9.39	1600	JD
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	2900	NJD
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.63	4200	NJD
17. 13632-94-5	BENZENE, 1,4-DIETHYL-2-METHY	9.79	1400	NJD
18.	UNKNOWN	9.85	2200	JD
19. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	9.90	2800	NJD
20.	UNKNOWN	9.95	1900	JD
21. 824-90-8	1-PHENYL-1-BUTENE	10.00	6700	NJD
22.	UNKNOWN	10.12	1700	JD
23. 1595-16-0	BENZENE, 1-METHYL-4-(1-METHY	10.19	1900	NJD
24. 20836-11-7	1H-INDENE, 2,3-DIHYDRO-2,2-DI	10.40	2400	NJD
25. 4701-36-4	BENZENE, (1-ETHYL-1-PROPENYL	10.87	1500	NJD
26. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.05	1800	NJD
27.	UNKNOWN	11.25	1000	JD
28. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	2800	NJD
29. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	12.62	1200	NJD
30. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	12.75	1300	NJD

FORM I SV-TIC

OLM04.3

0048

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1RLCS

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: LCS-29995

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1F2953

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	1900	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	2000	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1200	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1RLCS

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: LCS-29995

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1F2953

Level: (low/med) LOW

Date Received: _____

% Moisture: 0

Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	2100	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1300	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	2100	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	980	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01BDL

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H7658

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	14000	U
74-87-3	Chloromethane	14000	U
75-01-4	Vinyl Chloride	14000	U
74-83-9	Bromomethane	14000	U
75-00-3	Chloroethane	14000	U
75-69-4	Trichlorofluoromethane	14000	U
75-35-4	1,1-Dichloroethene	14000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14000	U
67-64-1	Acetone	14000	U
75-15-0	Carbon Disulfide	14000	U
79-20-9	Methyl Acetate	14000	U
75-09-2	Methylene Chloride	14000	U
156-60-5	trans-1,2-Dichloroethene	14000	U
1634-04-4	Methyl tert-Butyl Ether	14000	U
75-34-3	1,1-Dichloroethane	14000	U
156-59-2	cis-1,2-Dichloroethene	14000	U
78-93-3	2-Butanone	14000	U
67-66-3	Chloroform	14000	U
71-55-6	1,1,1-Trichloroethane	14000	U
110-82-7	Cyclohexane	14000	U
56-23-5	Carbon Tetrachloride	14000	U
71-43-2	Benzene	14000	U
107-06-2	1,2-Dichloroethane	14000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-01BDL

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H7658

Level: (low/med) MED Date Received: 05/12/07

% Moisture: not dec. 16 Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	14000	U
108-87-2	Methylcyclohexane	14000	D
78-87-5	1,2-Dichloropropane	14000	U
75-27-4	Bromodichloromethane	14000	U
10061-01-5	cis-1,3-Dichloropropene	14000	U
108-10-1	4-Methyl-2-Pentanone	14000	U
108-88-3	Toluene	11000	DJ
10061-02-6	trans-1,3-Dichloropropene	14000	U
79-00-5	1,1,2-Trichloroethane	14000	U
127-18-4	Tetrachloroethene	14000	U
591-78-6	2-Hexanone	14000	U
124-48-1	Dibromochloromethane	14000	U
106-93-4	1,2-Dibromoethane	14000	U
108-90-7	Chlorobenzene	14000	U
100-41-4	Ethylbenzene	67000	D
1330-20-7	Xylene (Total)	390000	D
100-42-5	Styrene	14000	U
75-25-2	Bromoform	14000	U
98-82-8	Isopropylbenzene	10000	DJ
79-34-5	1,1,2,2-Tetrachloroethane	14000	U
541-73-1	1,3-Dichlorobenzene	14000	U
106-46-7	1,4-Dichlorobenzene	14000	U
95-50-1	1,2-Dichlorobenzene	14000	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	14000	U

INORGANIC ANALYSIS DATA SHEET

B14-6

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM Case No.: _____NRAS No.: _____ SDG No.: MF0609Matrix (soil/water): SOILLab Sample ID: F0609-01Level (low/med): MEDDate Received: 05/12/2007% Solids: 84.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	5.6	U	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	44.0			P
7440-41-7	Beryllium	0.47	U		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	1820			P
7440-47-3	Chromium	18.3			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	22.6			P
7439-89-6	Iron	18600			P
7439-92-1	Lead	27.3		*	P
7439-95-4	Magnesium	4320			P
7439-96-5	Manganese	239			P
7439-97-6	Mercury	0.11	J	N*	CV
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.96	J		P
7440-22-4	Silver	0.94	U		P
7440-23-5	Sodium	112	J		P
7440-28-0	Thallium	1.8	J		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	54.1		*E	P

Color Before GREY

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

USEPA - CLP

1A-IN

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

B29-11

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM Case No.: _____NRAS No.: _____ SDG No.: MF0609Matrix (soil/water): SOILLab Sample ID: F0609-02Level (low/med): MEDDate Received: 05/12/2007% Solids: 84.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	41.7			P
7440-41-7	Beryllium	0.53	U		P
7440-43-9	Cadmium	0.022	J		P
7440-70-2	Calcium	1670			P
7440-47-3	Chromium	14.7			P
7440-48-4	Cobalt	5.4			P
7440-50-8	Copper	19.3			P
7439-89-6	Iron	15300			P
7439-92-1	Lead	11.0		*	P
7439-95-4	Magnesium	3980			P
7439-96-5	Manganese	168			P
7439-97-6	Mercury	0.12	U	N*	CV
7440-02-0	Nickel	14.5			P
7440-09-7	Potassium	1040			P
7782-49-2	Selenium	1.3	J		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	126	J		P
7440-28-0	Thallium	1.2	J		P
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	72.8		*E	P

Color Before GREY

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

B39-11

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM

Case No.: _____

NRAS No.: _____

SDG No.: MF0609Matrix (soil/water): SOILLab Sample ID: F0609-03Level (low/med): MEDDate Received: 05/12/2007% Solids: 89.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9540			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	0.69	J		P
7440-39-3	Barium	78.2			P
7440-41-7	Beryllium	0.54	U		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	2020			P
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt	9.5			P
7440-50-8	Copper	34.6			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	5.6		*	P
7439-95-4	Magnesium	3420			P
7439-96-5	Manganese	243			P
7439-97-6	Mercury	0.097	U	N*	CV
7440-02-0	Nickel	16.0			P
7440-09-7	Potassium	2620			P
7782-49-2	Selenium	1.2	J		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	112	J		P
7440-28-0	Thallium	1.4	J		P
7440-62-2	Vanadium	29.6			P
7440-66-6	Zinc	65.7		*E	P

Color Before BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments:

USEPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 2660-02
 Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF0609
 Solid LCS Source: _____ LCS(D) ID: _____
 Aqueous LCS Source: _____ LCS-30048

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Mercury				3.9	4.1		2.6	5.2	105

USEPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 2660-02
 Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF0609
 Solid LCS Source: _____ LCS(D) ID: _____
 Aqueous LCS Source: _____ LCS-30257

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R	True	Found	C	Limits		
Aluminum				7360.0	7646.8		4329.9	10399.7	104
Antimony				78.2	43.0		6	165.0	55
Arsenic				197.0	201.3		159	236.0	102
Barium				645.0	698.8		534	756.0	108
Beryllium				68.9	70.2		56.5	81.2	102
Cadmium				77.3	78.3		60.8	93.8	101
Calcium				4080.0	4705.7		3239.9	4920.1	115
Chromium				129.0	131.7		104	154.0	102
Cobalt				115.0	123.3		94.1	136.0	107
Copper				94.6	101.6		76.6	113.0	107
Iron				15100.0	11565.2		7020	23299.3	77
Lead				106.0	105.6		86.6	125.0	100
Magnesium				2370.0	2516.1		1850	2890.0	106
Manganese				326.0	344.9		265	387.0	106
Nickel				211.0	222.9		174	248.0	106
Potassium				2490.0	2531.0		1819.9	3160.1	102
Selenium				104.0	100.3		80.5	127.0	96
Silver				155.0	133.2		103	207.0	86
Sodium				722.0	735.0		462	982.0	102
Thallium				132.0	137.4		102	162.0	104
Vanadium				148.0	144.0		114	182.0	97
Zinc				150.0	155.2		119	181.0	103

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5R	106	98	104		0
02	V5RLCS	102	97	105		0
03	B14-6	216*	147*	90		2
04	B29-11	121	88	84		0
05	B39-11	151*	99	79		1
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5U	107	89	91		0
02	B29-11DL	101	73	59*		1
03	B39-11DL	103	73	57*		1
04	B14-6DL	101	71	56*		1
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK5I	104	103	97		0
02	VHBLK5I	106	101	99		0
03						
04						
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1R	71	75	109	85	74	71	76	77	0
02	S1RLCS	74	74	109	87	81	77	78	79	0
03	B14-6	94	67	98	98	86	80	76	79	0
04	B29-11	63	69	106	75	71	67	73	71	0
05	B39-11	66	68	100	61	48	26	55	68	0
06	B14-6DL	82	64	100	74	65	70	60	73	0
07	B29-11DL	75	72	104	80	71	71	72	72	0
08	B39-11DL	72	66	101	71	45	23	51	64	0
09										
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QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl-d14 (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)
 S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609
 Matrix Spike - Sample No.: V5RLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50		54	108	59-172
Benzene	50		55	110	66-142
Trichloroethene	50		56	112	62-137
Toluene	50		52	104	59-139
Chlorobenzene	50		55	110	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM III VOA

0000

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609
 Matrix Spike - Sample No.: S1RLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Phenol	2500		2000	80	26- 90
2-Chlorophenol	2500		1900	76	25-102
N-Nitroso-di-n-prop. (1)	1700		1300	76	41-126
4-Chloro-3-Methylphenol	2500		2000	80	26-103
Acenaphthene	1700		1200	71	31-137
4-Nitrophenol	2500		2100	84	11-114
2,4-Dinitrotoluene	1700		1300	76	28- 89
Pentachlorophenol	2500		2100	84	17-109
Pyrene	1700		980	58	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 0 out of 0 outside limits
 Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

FORM III SV

0001

USEPA - CLP

5A-IN

EPA SAMPLE NO.

MATRIX SPIKE SAMPLE RECOVERY

B14-6S

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM

Case No.:

NRAS No.:

SDG No.: MF0609

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids for Sample: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	3.0545 J	5.6000 U	18.70	16	N	P
Arsenic	75-125	8.6381	1.9623	7.48	89		P
Barium	75-125	441.4075	44.0416	374.06	106		P
Beryllium	75-125	9.1743	0.4700 U	9.35	98		P
Cadmium	75-125	9.0934	0.4700 U	9.35	97		P
Chromium	75-125	54.3155	18.3003	37.41	96		P
Cobalt	75-125	100.9987	7.3663	93.52	100		P
Copper	75-125	69.6138	22.5805	46.76	101		P
Lead		29.7592	27.2999	3.74	66		P
Manganese	75-125	341.4323	238.6096	93.52	110		P
Nickel	75-125	108.1757	14.8464	93.52	100		P
Selenium	75-125	8.9620	0.9607 J	9.35	86		P
Silver	75-125	9.5698	0.9400 U	9.35	102		P
Thallium	75-125	11.0976	1.7517 J	9.35	100		P
Vanadium	75-125	108.1255	19.5270	93.52	95		P
Zinc	75-125	151.8395	54.1427	93.52	104		P
Mercury	75-125	1.5982	0.1059 J	1.13	132	N	CV

Comments:

USEPA - CLP

5B-IN

EPA SAMPLE NO.

POST-DIGESTION SPIKE SAMPLE RECOVERY

B14-6A

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM

Case No.: _____

NRAS No.: _____

SDG No.: MF0609Matrix (soil/water): SOILLevel (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony		97.29	0.22 U	120.0	81		P

Comments:

USEPA - CLP

6-IN

EPA SAMPLE NO.

DUPLICATES

B14-6D

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM Case No.:

NRAS No.:

SDG No.: MF0609

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids for Sample: 84.2

% Solids for Duplicate: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		12173.1675		12152.4283		0		P
Antimony		5.6000	U	5.6000	U			P
Arsenic	0.9	1.9623		2.2265		13		P
Barium	19.0	44.0416		48.1581		9		P
Beryllium		0.4700	U	0.4700	U			P
Cadmium		0.4700	U	0.0336	J	200		P
Calcium	470.0	1817.9449		1869.0147		3		P
Chromium		18.3003		19.8724		8		P
Cobalt	4.7	7.3663		6.6598		10		P
Copper		22.5805		24.5975		9		P
Iron		18646.3623		19145.0515		3		P
Lead		27.2999		53.9611		66	*	P
Magnesium		4318.8002		4139.0616		4		P
Manganese		238.6096		258.9358		8		P
Nickel	3.7	14.8464		14.6938		1		P
Potassium	470.0	1139.4126		1125.9343		1		P
Selenium		0.9607	J	0.9332	J	3		P
Silver		0.9400	U	0.9400	U			P
Sodium		111.8970	J	116.4719	J	4		P
Thallium		1.7517	J	1.8948	J	8		P
Vanadium	4.7	19.5270		20.7234		6		P
Zinc		54.1427		68.3602		23	*	P
Mercury	0.1	0.1059	J	0.3583		109	*	CV

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

Lab File ID: V5H7574

Lab Sample ID: MB-29998

Date Analyzed: 05/18/07

Time Analyzed: 1121

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5RLCS	LCS-29998	V5H7575	1201
02	B14-6	F0609-01B	V5H7576	1231
03	B29-11	F0609-02B	V5H7577	1301
04	B39-11	F0609-03B	V5H7578	1331
05				
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29998

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H7574

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29998

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H7574

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29998

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H7574

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Lab File ID: V5H7650 Lab Sample ID: MB-30068

Date Analyzed: 05/22/07 Time Analyzed: 1441

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	B29-11DL	F0609-02BDL	V5H7656	1806
02	B39-11DL	F0609-03BDL	V5H7657	1835
03	B14-6DL	F0609-01BDL	V5H7658	1905
04				
05				
06				
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-30068

Sample wt/vol: 4.0(g/mL) G Lab File ID: V5H7650

Level: (low/med) MED Date Received: 05/17/07

% Moisture: not dec. _____ Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-30068

Sample wt/vol: 4.0(g/mL) G Lab File ID: V5H7650

Level: (low/med) MED Date Received: 05/17/07

% Moisture: not dec. _____ Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-30068

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V5H7650

Level: (low/med) MED Date Received: 05/17/07

% Moisture: not dec. _____ Date Analyzed: 05/22/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

Lab File ID: V5H7962

Lab Sample ID: MB-30305

Date Analyzed: 06/02/07

Time Analyzed: 2303

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO. =====	LAB SAMPLE ID =====	LAB FILE ID =====	TIME ANALYZED =====
01	VHBLK5I	VHBLK5I	V5H7962A	2332
02				
03				
04				
05				
06				
07				
08				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER Lab Sample ID: MB-30305

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER Lab Sample ID: MB-30305

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	2	J

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER

Lab Sample ID: MB-30305

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5H7962

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5I

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962A

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. _____ Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5I

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962A

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. _____ Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5I

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962A

Level: (low/med) LOW Date Received: 05/12/07

% Moisture: not dec. _____ Date Analyzed: 06/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

Lab File ID: S1F2952

Lab Sample ID: MB-29995

Instrument ID: S1

Date Extracted: 05/18/07

Matrix: (soil/water) SOIL

Date Analyzed: 06/01/07

Level: (low/med) LOW

Time Analyzed: 1659

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B14-6	F0609-01A	S1F2954	06/01/07
02	B29-11	F0609-02A	S1F2955	06/01/07
03	B39-11	F0609-03A	S1F2956	06/01/07
04	B14-6DL	F0609-01ADL	S1F2957	06/01/07
05	B29-11DL	F0609-02ADL	S1F2958	06/01/07
06	B39-11DL	F0609-03ADL	S1F2959	06/01/07
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COMMENTS: _____

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29995

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F2952

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29995

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F2952

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo (a) anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo (b) fluoranthene	330	U
207-08-9	Benzo (k) fluoranthene	330	U
50-32-8	Benzo (a) pyrene	330	U
193-39-5	Indeno (1,2,3-cd) pyrene	330	U
53-70-3	Dibenzo (a,h) anthracene	330	U
191-24-2	Benzo (g,h,i) perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29995

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F2952

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.67	70	J
2.				
3.				
4.				
5.				
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30.				

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM

Case No.: _____

NRAS No.: _____

SDG No.: MF0609Preparation Blank Matrix (soil/water): SOIL

Method Blank ID:

MB-30048Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		M
Mercury	0.015	J	-0.062	J	-0.070	J	-0.071	J	-0.038	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM

Case No.: _____

NRAS No.: _____

SDG No.: MF0609Preparation Blank Matrix (soil/water): SOIL

Method Blank ID:

MB-30257Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Potassium	3.866	J	6.274	J	-11.452	J	5.343	J	4.075	J	P
Sodium	11.547	J	11.348	J	4.524	J	16.991	J	10.017	J	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem CorporationContract: 2660-02Lab Code: MITKEM

Case No.: _____

NRAS No.: _____

SDG No.: MF0609Preparation Blank Matrix (soil/water): SOIL

Method Blank ID:

MB-30257Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	1.897	J	200.000	U	-2.852	J	7.382	J	2.875	J	P
Antimony	1.483	J	1.383	J	2.259	J	0.604	J	0.356	J	P
Arsenic	2.735	J	3.001	J	1.058	J	3.209	J	-0.075	B	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	0.148	J	P
Beryllium	0.015	J	0.015	J	0.012	J	-0.006	J	0.500	U	P
Cadmium	5.000	U	0.069	J	0.048	J	5.000	U	0.500	U	P
Calcium	-62.007	J	-72.006	J	-55.868	J	-105.603	J	500.000	U	P
Chromium	0.052	J	-0.048	J	-0.123	J	-0.132	J	0.075	J	P
Cobalt	0.115	J	50.000	U	50.000	U	0.101	J	-0.015	B	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	0.843	J	P
Iron	-2.883	J	-4.562	J	-4.447	J	-4.818	J	5.777	J	P
Lead	0.148	J	-1.048	J	-1.646	J	-0.863	J	0.333	J	P
Magnesium	2.934	J	-3.140	J	5000.000	U	5000.000	U	1.895	B	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	0.993	J	P
Nickel	0.205	J	0.303	J	0.123	J	0.134	J	0.063	B	P
Selenium	-1.762	J	-1.463	J	-2.424	J	-1.011	J	-0.286	B	P
Silver	4.096	J	2.847	J	0.428	J	0.269	J	1.005		P
Thallium	2.880	J	2.767	J	1.461	J	2.940	J	0.122	J	P
Vanadium	-0.020	J	50.000	U	0.231	J	0.287	J	5.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	2.509	J	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 2660-02Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF0609

Preparation Blank Matrix (soil/water): _____ Method Blank ID: _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony	-1.549	J	-2.004	J	-0.953	J					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

EPA Sample No. (VSTD050##): VSTD0505R

Date Analyzed: 05/18/07

Lab File ID (Standard): V5H7573

Time Analyzed: 1036

Instrument ID: V5

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	25473	5.03	131018	6.03	105792	9.12
UPPER LIMIT	50946	5.53	262036	6.53	211584	9.62
LOWER LIMIT	12737	4.53	65509	5.53	52896	8.62
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5R	32138	5.04	162902	6.03	132255	9.13
02 V5RLCS	24622	5.04	126711	6.03	106135	9.13
03 B14-6	27684	5.04	116406	6.04	74472	9.15
04 B29-11	33799	5.04	176941	6.03	138573	9.13
05 B39-11	35750	5.04	174781	6.04	132329	9.14
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22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

EPA Sample No. (VSTD050##): VSTD0505U

Date Analyzed: 05/22/07

Lab File ID (Standard): V5H7641

Time Analyzed: 0930

Instrument ID: V5

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	24028	5.03	122705	6.03	105992	9.12
UPPER LIMIT	48056	5.53	245410	6.53	211984	9.62
LOWER LIMIT	12014	4.53	61353	5.53	52996	8.62
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5U	24884	5.04	105892	6.03	77073	9.12
02 B29-11DL	34678	5.04	186117	6.03	149884	9.12
03 B39-11DL	58870*	5.04	297277*	6.03	236377*	9.13
04 B14-6DL	59082*	5.04	311257*	6.03	245437*	9.13
05						
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19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

EPA Sample No. (VSTD050##): VSTD0505I

Date Analyzed: 06/02/07

Lab File ID (Standard): V5H7961A

Time Analyzed: 2234

Instrument ID: V5

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	32617	4.93	164590	5.93	134970	9.01
UPPER LIMIT	65234	5.43	329180	6.43	269940	9.51
LOWER LIMIT	16309	4.43	82295	5.43	67485	8.51
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5I	42102	4.93	211723	5.93	162564	9.01
02 VHBLK5I	40979	4.93	201270	5.92	151063	9.01
03						
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22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

EPA Sample No. (SSTD050##): SSTD0501H

Date Analyzed: 06/01/07

Lab File ID (Standard): S1F2951

Time Analyzed: 1610

Instrument ID: S1

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	324043	8.42	1172524	10.44	642904	13.35
UPPER LIMIT	648086	8.92	2345048	10.94	1285808	13.85
LOWER LIMIT	162022	7.92	586262	9.94	321452	12.85
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK1R	449984	8.42	1651152	10.44	864336	13.34
02 S1RLCS	487200	8.42	1767402	10.44	984176	13.34
03 B14-6	386210	8.47	1432376	10.52	842607	13.35
04 B29-11	421408	8.42	1470763	10.45	860745	13.34
05 B39-11	427429	8.42	1370364	10.45	810822	13.34
06 B14-6DL	472254	8.42	1516127	10.44	893197	13.33
07 B29-11DL	482917	8.42	1578562	10.44	910412	13.34
08 B39-11DL	480117	8.42	1659992	10.44	929084	13.34
09						
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20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF0609

EPA Sample No. (SSTD050##): SSTD0501H

Date Analyzed: 06/01/07

Lab File ID (Standard): S1F2951

Time Analyzed: 1610

Instrument ID: S1

GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1003063	15.82	1105663	20.24	868149	23.29
UPPER LIMIT	2006126	16.32	2211326	20.74	1736298	23.79
LOWER LIMIT	501532	15.32	552832	19.74	434075	22.79
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK1R	1274897	15.83	1396594	20.24	1043945	23.29
02 S1RLCS	1459348	15.83	1556927	20.24	1186463	23.29
03 B14-6	1095851	15.83	1254463	20.25	900426	23.30
04 B29-11	1257458	15.82	1293970	20.24	916766	23.29
05 B39-11	1238043	15.82	1350932	20.24	952853	23.28
06 B14-6DL	1288835	15.82	1342202	20.24	956743	23.27
07 B29-11DL	1330483	15.82	1494957	20.24	1065268	23.28
08 B39-11DL	1344258	15.82	1416431	20.23	1010366	23.28
09						
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

ENVIRONMENTAL MAINTENANCE CONTRACTORS, INC.

Environmental Consulting and Remedial / Abatement Services

- * Asbestos Testing and Removal * Lead Based Paint (XRF) Testing * Underground Storage Tank Removal Services*
 - * Indoor Air Quality Testing * Mold Abatement Service * Hazardous Material Testing and Abatement *
 - * Environmental Phase I and II Assessments *
-

February 20, 2012

Ryan M. Piper
Engineering Geologist I
NYS Department of Environmental Conservation
Spill Prevention and Response Programs
Division of Environmental Remediation

**Re: NYS DEC Spill Case: 11-08991 – Soil Sample Analysis Report
for 1676 3rd Ave., New York City, NY 10011**

Dear Mr. Piper:

On February 8, 2012 excavation was completed and performed as per the “Scope of Work” provided. End point samples were collected and analyzed. (See attached copy of the soil sample results and sample locations for your review).

Please provide us with your feedback upon your review.

Should you have any questions please don’t hesitate to contact me.

Sincerely,
Environmental Maintenance Contractors, Inc.
Richard Stumbo
President

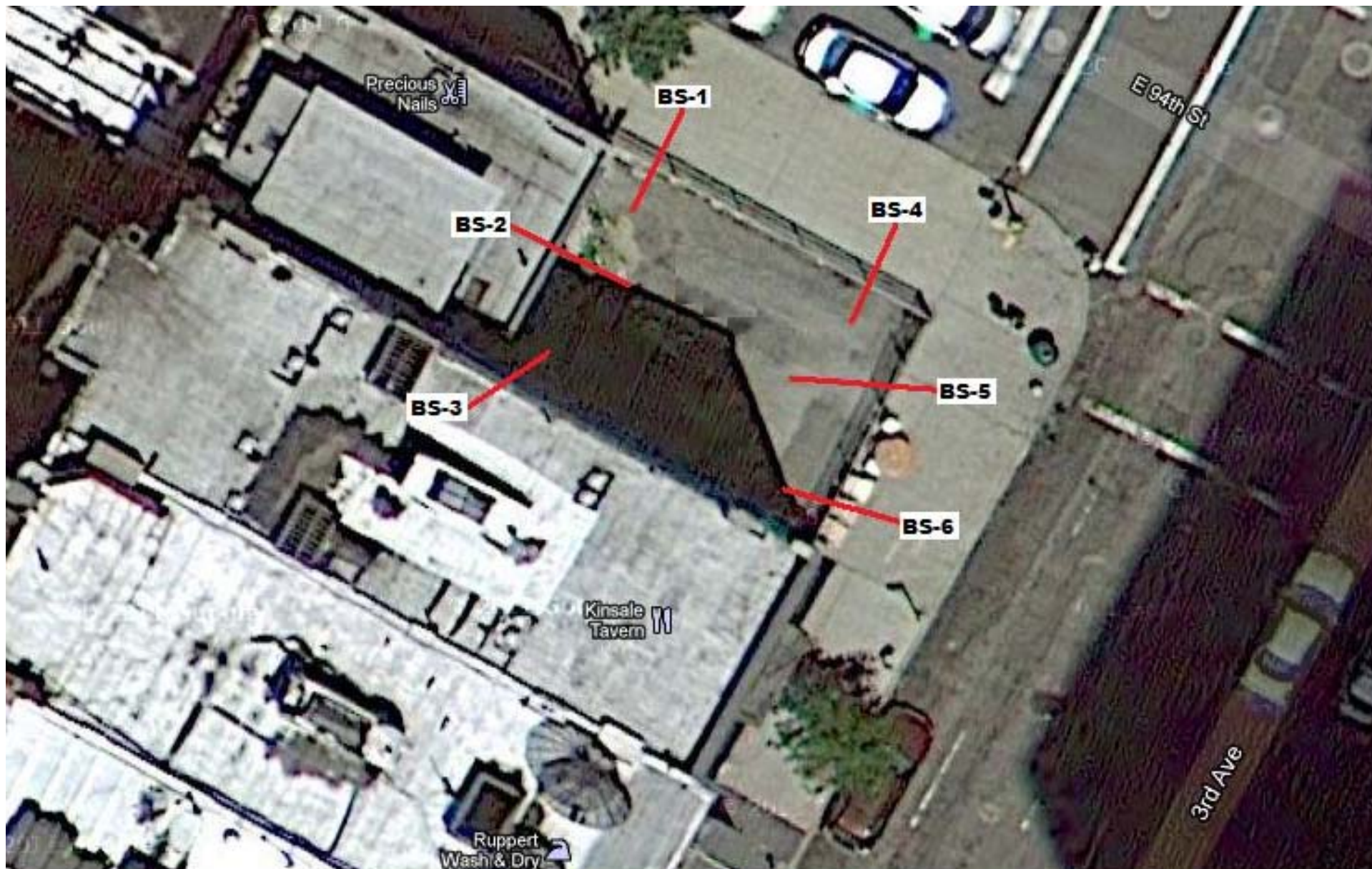
Attachments: Soil Sample Results, Sample Locations/Drawing and Analytical Results

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040 (860) 645-1102	Lab Sample Id	BB42286	BB42287	BB42288	BB42289	BB42290	BB42291	Rec. Soil Cleanup Objective (ppb)
	Collection Date	2/8/2012	2/8/2012	2/8/2012	2/8/2012	2/8/2012	2/8/2012	
	Client Id	BS-1	BS-2	BS-3	BS-4	BS-5	BS-6	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	
Project Id : 1676 THIRD AVE NYC NY	Units	Result	Result	Result	Result	Result	Result	
Volatiles By SW8260								
Benzene	ug/Kg	ND	ND	ND	ND	ND	ND	60 or MDL
Ethylbenzene	ug/Kg	7,400	6,900	ND	3,900	11,000	8,800	5,500
Toluene	ug/Kg	ND	400	ND	510	6,200	ND	1,500
Total Xylenes	ug/Kg	36,800	11,200	150	23,400	64,000	43,000	1,200
Isopropylbenzene	ug/Kg	1,600	1,600	ND	950	2,000	2,000	2,300
n-Propylbenzene	ug/Kg	6,000	5,600	220	3,100	7,000	7,500	3,700
p-Isopropyltoluene	ug/Kg	ND	490	ND	610	ND	ND	10,000
1,2,4-Trimethylbenzene	ug/Kg	41,000	11,000	680	32,000	53,000	45,000	10,000
1,3,5-Trimethylbenzene	ug/Kg	14,000	4,000	200	8,800	17,000	15,000	3,300
n-Butylbenzene	ug/Kg	2,700	2,500	350	1,700	2,600	2,600	10,000
sec-Butylbenzene	ug/Kg	29,000	1,100	150	670	ND	ND	10,000
tert-Butylbenzene	ug/Kg	ND	ND	ND	ND	ND	ND	10,000
Naphthalene	ug/Kg	8,500	4,500	ND	5,600	7,800	6,300	13,000
Methyl t-butyl ether (MTBE)	ug/Kg	ND	ND	ND	ND	ND	ND	120
Semivolatiles By SW 8270								
Anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Acenaphthene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Acenaphthylene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Benz(a)anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	224 or MDL
Benzo(b)fluoranthene	ug/Kg	ND	ND	ND	ND	ND	ND	220 or MDL
Benzo(k)fluoranthene	ug/Kg	ND	ND	ND	ND	ND	ND	220 or MDL
Benzo(ghi)perylene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Benzo(a)pyrene	ug/Kg	ND	ND	ND	ND	ND	ND	61 or MDL
Chrysene	ug/Kg	ND	ND	ND	ND	ND	ND	400
Dibenz(a,h)anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	14.3 or MDL
Fluoranthene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Fluorene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000
Indeno(1,2,3-cd)pyrene	ug/Kg	ND	ND	ND	ND	ND	ND	3,200
Phenanthrene	ug/Kg	ND	310	ND	ND	ND	ND	50,000
Pyrene	ug/Kg	ND	ND	ND	ND	ND	ND	50,000

ND - Not Detected

MDL - Method Detection Limit

Red Bold # Exceeded NYS DEC Recommended Soil Clean up objectives



1676 3rd Avenue, New York City, NY
Soil Sample Locations



Friday, February 17, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE NYC NY
Sample ID#s: BB42286 - BB42291

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 10:50
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42286

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	85		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1,1-Trichloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1,2-Trichloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloropropene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichloropropane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trimethylbenzene	41000	1500	ug/Kg	02/10/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloropropane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,3,5-Trimethylbenzene	14000	1500	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichloropropane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
1,4-Dichlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
2,2-Dichloropropane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
2-Chlorotoluene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
2-Hexanone	ND	7400	ug/Kg	02/10/12		H/J	SW8260
2-Isopropyltoluene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
4-Chlorotoluene	ND	1500	ug/Kg	02/10/12		H/J	SW8260

Client ID: BS-1

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	7400	ug/Kg	02/10/12		H/J	SW8260
Acetone	ND	7400	ug/Kg	02/10/12		H/J	SW8260
Acrylonitrile	ND	2900	ug/Kg	02/10/12		H/J	SW8260
Benzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Bromobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Bromochloromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Bromodichloromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Bromoform	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Bromomethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Carbon Disulfide	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Carbon tetrachloride	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Chlorobenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Chloroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Chloroform	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Chloromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Dibromochloromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Dibromoethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Dibromomethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Dichlorodifluoromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Ethylbenzene	7400	1500	ug/Kg	02/10/12		H/J	SW8260
Hexachlorobutadiene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Isopropylbenzene	1600	1500	ug/Kg	02/10/12		H/J	SW8260
m&p-Xylene	31000	1500	ug/Kg	02/10/12		H/J	SW8260
Methyl Ethyl Ketone	ND	7400	ug/Kg	02/10/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2900	ug/Kg	02/10/12		H/J	SW8260
Methylene chloride	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Naphthalene	8500	1500	ug/Kg	02/10/12		H/J	SW8260
n-Butylbenzene	2700	1500	ug/Kg	02/10/12		H/J	SW8260
n-Propylbenzene	6000	1500	ug/Kg	02/10/12		H/J	SW8260
o-Xylene	5800	1500	ug/Kg	02/10/12		H/J	SW8260
p-Isopropyltoluene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
sec-Butylbenzene	29000	1500	ug/Kg	02/10/12		H/J	SW8260
Styrene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
tert-Butylbenzene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Tetrachloroethene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2900	ug/Kg	02/10/12		H/J	SW8260
Toluene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Total Xylenes	36800	1500	ug/Kg	02/10/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2900	ug/Kg	02/10/12		H/J	SW8260
Trichloroethene	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Trichlorofluoromethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Vinyl chloride	ND	1500	ug/Kg	02/10/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	02/10/12		H/J	70 - 130 %
% Bromofluorobenzene	105		%	02/10/12		H/J	70 - 130 %

Client ID: BS-1

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	99		%	02/10/12		H/J	70 - 130 %
% Toluene-d8	98		%	02/10/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	620	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	6600	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	390	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	470	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	390	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	580	ug/Kg	02/10/12		DD	SW 8270

Client ID: BS-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	6100	270	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	123		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	100		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	99		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	99		%	02/10/12		DD	15 - 130 %
% Phenol-d5	102		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	100		%	02/10/12		DD	15 - 130 %

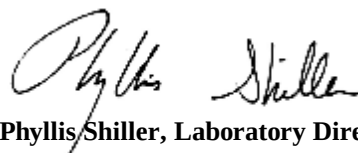
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.


Phyllis Shiller, Laboratory Director**February 17, 2012**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 10:53
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42287

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1,1-Trichloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1,2-Trichloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloroethene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloropropene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2,3-Trichloropropane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2,4-Trimethylbenzene	11000	1400	ug/Kg	02/13/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichloropropane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,3,5-Trimethylbenzene	4000	270	ug/Kg	02/13/12		H/J	SW8260
1,3-Dichlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,3-Dichloropropane	ND	270	ug/Kg	02/13/12		H/J	SW8260
1,4-Dichlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
2,2-Dichloropropane	ND	270	ug/Kg	02/13/12		H/J	SW8260
2-Chlorotoluene	ND	270	ug/Kg	02/13/12		H/J	SW8260
2-Hexanone	ND	1400	ug/Kg	02/13/12		H/J	SW8260
2-Isopropyltoluene	ND	270	ug/Kg	02/13/12		H/J	SW8260
4-Chlorotoluene	ND	270	ug/Kg	02/13/12		H/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	1400	ug/Kg	02/13/12		H/J	SW8260
Acetone	ND	1400	ug/Kg	02/13/12		H/J	SW8260
Acrylonitrile	ND	550	ug/Kg	02/13/12		H/J	SW8260
Benzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Bromobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Bromochloromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Bromodichloromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Bromoform	ND	270	ug/Kg	02/13/12		H/J	SW8260
Bromomethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Carbon Disulfide	ND	270	ug/Kg	02/13/12		H/J	SW8260
Carbon tetrachloride	ND	270	ug/Kg	02/13/12		H/J	SW8260
Chlorobenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Chloroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Chloroform	ND	270	ug/Kg	02/13/12		H/J	SW8260
Chloromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	270	ug/Kg	02/13/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Dibromochloromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Dibromoethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Dibromomethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Dichlorodifluoromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Ethylbenzene	6900	270	ug/Kg	02/13/12		H/J	SW8260
Hexachlorobutadiene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Isopropylbenzene	1600	270	ug/Kg	02/13/12		H/J	SW8260
m&p-Xylene	7600	270	ug/Kg	02/13/12		H/J	SW8260
Methyl Ethyl Ketone	ND	1400	ug/Kg	02/13/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	550	ug/Kg	02/13/12		H/J	SW8260
Methylene chloride	ND	270	ug/Kg	02/13/12		H/J	SW8260
Naphthalene	4500	270	ug/Kg	02/13/12		H/J	SW8260
n-Butylbenzene	2500	270	ug/Kg	02/13/12		H/J	SW8260
n-Propylbenzene	5600	270	ug/Kg	02/13/12		H/J	SW8260
o-Xylene	3600	270	ug/Kg	02/13/12		H/J	SW8260
p-Isopropyltoluene	490	270	ug/Kg	02/13/12		H/J	SW8260
sec-Butylbenzene	1100	270	ug/Kg	02/13/12		H/J	SW8260
Styrene	ND	270	ug/Kg	02/13/12		H/J	SW8260
tert-Butylbenzene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Tetrachloroethene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	550	ug/Kg	02/13/12		H/J	SW8260
Toluene	400	270	ug/Kg	02/13/12		H/J	SW8260
Total Xylenes	11200	270	ug/Kg	02/13/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	270	ug/Kg	02/13/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	270	ug/Kg	02/13/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	550	ug/Kg	02/13/12		H/J	SW8260
Trichloroethene	ND	270	ug/Kg	02/13/12		H/J	SW8260
Trichlorofluoromethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Trichlorotrifluoroethane	ND	270	ug/Kg	02/13/12		H/J	SW8260
Vinyl chloride	ND	270	ug/Kg	02/13/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	02/13/12		H/J	70 - 130 %
% Bromofluorobenzene	102		%	02/13/12		H/J	70 - 130 %

Client ID: BS-2

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	98		%	02/13/12		H/J	70 - 130 %
% Toluene-d8	97		%	02/13/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	4500	250	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	360	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	430	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	540	ug/Kg	02/10/12		DD	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	3600	250	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	310	250	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	360	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	81		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	78		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	86		%	02/10/12		DD	15 - 130 %
% Phenol-d5	81		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	102		%	02/10/12		DD	15 - 130 %

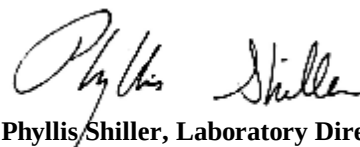
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 17, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 10:57
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42288

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1,1-Trichloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1,2-Trichloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloroethene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,1-Dichloropropene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2,3-Trichloropropane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2,4-Trimethylbenzene	680	140	ug/Kg	02/13/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,2-Dichloropropane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,3,5-Trimethylbenzene	200	140	ug/Kg	02/13/12		H/J	SW8260
1,3-Dichlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,3-Dichloropropane	ND	140	ug/Kg	02/13/12		H/J	SW8260
1,4-Dichlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
2,2-Dichloropropane	ND	140	ug/Kg	02/13/12		H/J	SW8260
2-Chlorotoluene	ND	140	ug/Kg	02/13/12		H/J	SW8260
2-Hexanone	ND	700	ug/Kg	02/13/12		H/J	SW8260
2-Isopropyltoluene	ND	140	ug/Kg	02/13/12		H/J	SW8260
4-Chlorotoluene	ND	140	ug/Kg	02/13/12		H/J	SW8260

Client ID: BS-3

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	700	ug/Kg	02/13/12		H/J	SW8260
Acetone	ND	700	ug/Kg	02/13/12		H/J	SW8260
Acrylonitrile	ND	280	ug/Kg	02/13/12		H/J	SW8260
Benzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Bromobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Bromochloromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Bromodichloromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Bromoform	ND	140	ug/Kg	02/13/12		H/J	SW8260
Bromomethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Carbon Disulfide	ND	140	ug/Kg	02/13/12		H/J	SW8260
Carbon tetrachloride	ND	140	ug/Kg	02/13/12		H/J	SW8260
Chlorobenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Chloroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Chloroform	ND	140	ug/Kg	02/13/12		H/J	SW8260
Chloromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	140	ug/Kg	02/13/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Dibromochloromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Dibromoethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Dibromomethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Dichlorodifluoromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Ethylbenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Hexachlorobutadiene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Isopropylbenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
m&p-Xylene	150	140	ug/Kg	02/13/12		H/J	SW8260
Methyl Ethyl Ketone	ND	700	ug/Kg	02/13/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	280	ug/Kg	02/13/12		H/J	SW8260
Methylene chloride	ND	140	ug/Kg	02/13/12		H/J	SW8260
Naphthalene	ND	140	ug/Kg	02/13/12		H/J	SW8260
n-Butylbenzene	350	140	ug/Kg	02/13/12		H/J	SW8260
n-Propylbenzene	220	140	ug/Kg	02/13/12		H/J	SW8260
o-Xylene	ND	140	ug/Kg	02/13/12		H/J	SW8260
p-Isopropyltoluene	ND	140	ug/Kg	02/13/12		H/J	SW8260
sec-Butylbenzene	150	140	ug/Kg	02/13/12		H/J	SW8260
Styrene	ND	140	ug/Kg	02/13/12		H/J	SW8260
tert-Butylbenzene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Tetrachloroethene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	280	ug/Kg	02/13/12		H/J	SW8260
Toluene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Total Xylenes	150	140	ug/Kg	02/13/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	140	ug/Kg	02/13/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	140	ug/Kg	02/13/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	280	ug/Kg	02/13/12		H/J	SW8260
Trichloroethene	ND	140	ug/Kg	02/13/12		H/J	SW8260
Trichlorofluoromethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Trichlorotrifluoroethane	ND	140	ug/Kg	02/13/12		H/J	SW8260
Vinyl chloride	ND	140	ug/Kg	02/13/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	02/13/12		H/J	70 - 130 %
% Bromofluorobenzene	99		%	02/13/12		H/J	70 - 130 %

Client ID: BS-3

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	97		%	02/13/12		H/J	70 - 130 %
% Toluene-d8	95		%	02/13/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	360	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	440	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	550	ug/Kg	02/10/12		DD	SW 8270

Client ID: BS-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	250	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	360	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	110		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	87		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	87		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	84		%	02/10/12		DD	15 - 130 %
% Phenol-d5	88		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	114		%	02/10/12		DD	15 - 130 %

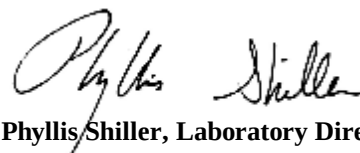
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 17, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 13:50
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42289

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	85		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1,1-Trichloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1,2-Trichloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloropropene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichloropropane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trimethylbenzene	32000	2900	ug/Kg	02/10/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloropropane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,3,5-Trimethylbenzene	8800	290	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichloropropane	ND	290	ug/Kg	02/10/12		H/J	SW8260
1,4-Dichlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
2,2-Dichloropropane	ND	290	ug/Kg	02/10/12		H/J	SW8260
2-Chlorotoluene	ND	290	ug/Kg	02/10/12		H/J	SW8260
2-Hexanone	ND	1500	ug/Kg	02/10/12		H/J	SW8260
2-Isopropyltoluene	ND	290	ug/Kg	02/10/12		H/J	SW8260
4-Chlorotoluene	ND	290	ug/Kg	02/10/12		H/J	SW8260

Client ID: BS-4

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Acetone	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Acrylonitrile	ND	590	ug/Kg	02/10/12		H/J	SW8260
Benzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Bromobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Bromochloromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Bromodichloromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Bromoform	ND	290	ug/Kg	02/10/12		H/J	SW8260
Bromomethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Carbon Disulfide	ND	290	ug/Kg	02/10/12		H/J	SW8260
Carbon tetrachloride	ND	290	ug/Kg	02/10/12		H/J	SW8260
Chlorobenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Chloroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Chloroform	ND	290	ug/Kg	02/10/12		H/J	SW8260
Chloromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	290	ug/Kg	02/10/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Dibromochloromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Dibromoethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Dibromomethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Dichlorodifluoromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Ethylbenzene	3900	290	ug/Kg	02/10/12		H/J	SW8260
Hexachlorobutadiene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Isopropylbenzene	950	290	ug/Kg	02/10/12		H/J	SW8260
m&p-Xylene	17000	290	ug/Kg	02/10/12		H/J	SW8260
Methyl Ethyl Ketone	ND	1500	ug/Kg	02/10/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	590	ug/Kg	02/10/12		H/J	SW8260
Methylene chloride	ND	290	ug/Kg	02/10/12		H/J	SW8260
Naphthalene	5600	290	ug/Kg	02/10/12		H/J	SW8260
n-Butylbenzene	1700	290	ug/Kg	02/10/12		H/J	SW8260
n-Propylbenzene	3100	290	ug/Kg	02/10/12		H/J	SW8260
o-Xylene	6400	290	ug/Kg	02/10/12		H/J	SW8260
p-Isopropyltoluene	610	290	ug/Kg	02/10/12		H/J	SW8260
sec-Butylbenzene	670	290	ug/Kg	02/10/12		H/J	SW8260
Styrene	ND	290	ug/Kg	02/10/12		H/J	SW8260
tert-Butylbenzene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Tetrachloroethene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	590	ug/Kg	02/10/12		H/J	SW8260
Toluene	510	290	ug/Kg	02/10/12		H/J	SW8260
Total Xylenes	23400	290	ug/Kg	02/10/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	290	ug/Kg	02/10/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	290	ug/Kg	02/10/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	590	ug/Kg	02/10/12		H/J	SW8260
Trichloroethene	ND	290	ug/Kg	02/10/12		H/J	SW8260
Trichlorofluoromethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Trichlorotrifluoroethane	ND	290	ug/Kg	02/10/12		H/J	SW8260
Vinyl chloride	ND	290	ug/Kg	02/10/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	02/10/12		H/J	70 - 130 %
% Bromofluorobenzene	105		%	02/10/12		H/J	70 - 130 %

Client ID: BS-4

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	104		%	02/10/12		H/J	70 - 130 %
% Toluene-d8	96		%	02/10/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	620	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	3600	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	620	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	390	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	460	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	390	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	580	ug/Kg	02/10/12		DD	SW 8270

Client ID: BS-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	2400	270	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	390	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	114		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	93		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	93		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	92		%	02/10/12		DD	15 - 130 %
% Phenol-d5	94		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	100		%	02/10/12		DD	15 - 130 %

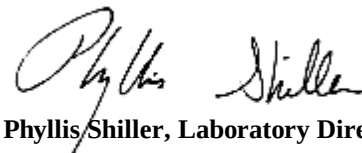
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

This report must not be reproduced except in full as defined by the attached chain of custody.


Phyllis Shiller, Laboratory Director

February 17, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 13:55
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42290

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1,1-Trichloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1,2-Trichloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloropropene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichloropropane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trimethylbenzene	53000	5600	ug/Kg	02/10/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloropropane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,3,5-Trimethylbenzene	17000	1400	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichloropropane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
1,4-Dichlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
2,2-Dichloropropane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
2-Chlorotoluene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
2-Hexanone	ND	7000	ug/Kg	02/10/12		H/J	SW8260
2-Isopropyltoluene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
4-Chlorotoluene	ND	1400	ug/Kg	02/10/12		H/J	SW8260

Client ID: BS-5

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	7000	ug/Kg	02/10/12		H/J	SW8260
Acetone	ND	7000	ug/Kg	02/10/12		H/J	SW8260
Acrylonitrile	ND	2800	ug/Kg	02/10/12		H/J	SW8260
Benzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Bromobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Bromochloromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Bromodichloromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Bromoform	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Bromomethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Carbon Disulfide	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Carbon tetrachloride	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Chlorobenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Chloroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Chloroform	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Chloromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Dibromochloromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Dibromoethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Dibromomethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Dichlorodifluoromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Ethylbenzene	11000	1400	ug/Kg	02/10/12		H/J	SW8260
Hexachlorobutadiene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Isopropylbenzene	2000	1400	ug/Kg	02/10/12		H/J	SW8260
m&p-Xylene	47000	1400	ug/Kg	02/10/12		H/J	SW8260
Methyl Ethyl Ketone	ND	7000	ug/Kg	02/10/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2800	ug/Kg	02/10/12		H/J	SW8260
Methylene chloride	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Naphthalene	7800	1400	ug/Kg	02/10/12		H/J	SW8260
n-Butylbenzene	2600	1400	ug/Kg	02/10/12		H/J	SW8260
n-Propylbenzene	7000	1400	ug/Kg	02/10/12		H/J	SW8260
o-Xylene	17000	1400	ug/Kg	02/10/12		H/J	SW8260
p-Isopropyltoluene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
sec-Butylbenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Styrene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
tert-Butylbenzene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Tetrachloroethene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2800	ug/Kg	02/10/12		H/J	SW8260
Toluene	6200	1400	ug/Kg	02/10/12		H/J	SW8260
Total Xylenes	64000	1400	ug/Kg	02/10/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2800	ug/Kg	02/10/12		H/J	SW8260
Trichloroethene	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Trichlorofluoromethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1400	ug/Kg	02/10/12		H/J	SW8260
Vinyl chloride	ND	1400	ug/Kg	02/10/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	02/10/12		H/J	70 - 130 %
% Bromofluorobenzene	97		%	02/10/12		H/J	70 - 130 %

Client ID: BS-5

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	93		%	02/10/12		H/J	70 - 130 %
% Toluene-d8	97		%	02/10/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	6300	260	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	590	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	590	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	590	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	260	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	370	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	450	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	560	ug/Kg	02/10/12		DD	SW 8270

Client ID: BS-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	260	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	5100	260	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	260	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	260	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	260	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	102		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	84		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	82		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	82		%	02/10/12		DD	15 - 130 %
% Phenol-d5	82		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	87		%	02/10/12		DD	15 - 130 %

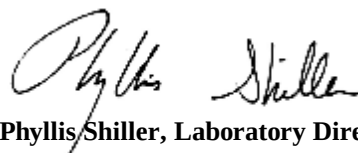
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director**February 17, 2012**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 17, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
02/08/12 14:45
02/09/12 16:42

Laboratory Data

SDG ID: GBB42286
Phoenix ID: BB42291

Project ID: 1676 THIRD AVE NYC NY

Client ID: BS-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	87		%	02/09/12		JL	E160.3
Soil Extraction for SVOA	Completed			02/09/12		MB/FR	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1,1-Trichloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1,2-Trichloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloroethene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,1-Dichloropropene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2,3-Trichloropropane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trichlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2,4-Trimethylbenzene	45000	2900	ug/Kg	02/10/12		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,2-Dichloropropane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,3,5-Trimethylbenzene	15000	1100	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,3-Dichloropropane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
1,4-Dichlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
2,2-Dichloropropane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
2-Chlorotoluene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
2-Hexanone	ND	5700	ug/Kg	02/10/12		H/J	SW8260
2-Isopropyltoluene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
4-Chlorotoluene	ND	1100	ug/Kg	02/10/12		H/J	SW8260

Client ID: BS-6

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5700	ug/Kg	02/10/12		H/J	SW8260
Acetone	ND	5700	ug/Kg	02/10/12		H/J	SW8260
Acrylonitrile	ND	2300	ug/Kg	02/10/12		H/J	SW8260
Benzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Bromobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Bromochloromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Bromodichloromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Bromoform	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Bromomethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Carbon Disulfide	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Carbon tetrachloride	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Chlorobenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Chloroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Chloroform	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Chloromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Dibromochloromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Dibromoethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Dibromomethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Dichlorodifluoromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Ethylbenzene	8800	1100	ug/Kg	02/10/12		H/J	SW8260
Hexachlorobutadiene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Isopropylbenzene	2000	1100	ug/Kg	02/10/12		H/J	SW8260
m&p-Xylene	33000	1100	ug/Kg	02/10/12		H/J	SW8260
Methyl Ethyl Ketone	ND	5700	ug/Kg	02/10/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2300	ug/Kg	02/10/12		H/J	SW8260
Methylene chloride	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Naphthalene	6300	1100	ug/Kg	02/10/12		H/J	SW8260
n-Butylbenzene	2600	1100	ug/Kg	02/10/12		H/J	SW8260
n-Propylbenzene	7500	1100	ug/Kg	02/10/12		H/J	SW8260
o-Xylene	10000	1100	ug/Kg	02/10/12		H/J	SW8260
p-Isopropyltoluene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
sec-Butylbenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Styrene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
tert-Butylbenzene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Tetrachloroethene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2300	ug/Kg	02/10/12		H/J	SW8260
Toluene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Total Xylenes	43000	1100	ug/Kg	02/10/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2300	ug/Kg	02/10/12		H/J	SW8260
Trichloroethene	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Trichlorofluoromethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1100	ug/Kg	02/10/12		H/J	SW8260
Vinyl chloride	ND	1100	ug/Kg	02/10/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	02/10/12		H/J	70 - 130 %
% Bromofluorobenzene	100		%	02/10/12		H/J	70 - 130 %

Client ID: BS-6

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	86		%	02/10/12		H/J	70 - 130 %
% Toluene-d8	97		%	02/10/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrophenol	ND	610	ug/Kg	02/10/12		DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylnaphthalene	5200	270	ug/Kg	02/10/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/10/12		DD	SW 8270
2-Nitroaniline	ND	610	ug/Kg	02/10/12		DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	02/10/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/10/12		DD	SW 8270
3-Nitroaniline	ND	610	ug/Kg	02/10/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	380	ug/Kg	02/10/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
4-Nitroaniline	ND	610	ug/Kg	02/10/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Acenaphthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Acetophenone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Azobenzene	ND	380	ug/Kg	02/10/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzidine	ND	450	ug/Kg	02/10/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	02/10/12		DD	SW 8270
Benzyl butyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	380	ug/Kg	02/10/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/10/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Carbazole	ND	570	ug/Kg	02/10/12		DD	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Chrysene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	02/10/12		DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	02/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	02/10/12		DD	SW 8270
Naphthalene	3700	270	ug/Kg	02/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	380	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	380	ug/Kg	02/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	380	ug/Kg	02/10/12		DD	SW 8270
Pentachlorophenol	ND	380	ug/Kg	02/10/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	02/10/12		DD	SW 8270
Pyridine	ND	380	ug/Kg	02/10/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	117		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	94		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	94		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	91		%	02/10/12		DD	15 - 130 %
% Phenol-d5	93		%	02/10/12		DD	15 - 130 %
% Terphenyl-d14	109		%	02/10/12		DD	15 - 130 %

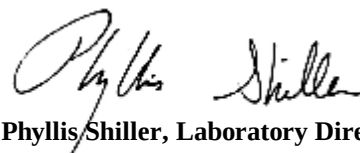
Comments:

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 17, 2012



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QA/QC Report

February 17, 2012

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 194143, QC Sample No: BB42213 (BB42286, BB42287, BB42288, BB42289, BB42290, BB42291)									
Semivolatiles - Soil									
1,2,4,5-Tetrachlorobenzene	ND	91	89	2.2	102	101	1.0	30 - 130	30
1,2,4-Trichlorobenzene	ND	81	81	0.0	97	95	2.1	30 - 130	30
1,2-Dichlorobenzene	ND	81	80	1.2	94	91	3.2	30 - 130	30
1,3-Dichlorobenzene	ND	74	74	0.0	89	88	1.1	30 - 130	30
1,4-Dichlorobenzene	ND	77	78	1.3	92	90	2.2	30 - 130	30
2,4,5-Trichlorophenol	ND	93	92	1.1	108	104	3.8	30 - 130	30
2,4,6-Trichlorophenol	ND	95	93	2.1	111	106	4.6	30 - 130	30
2,4-Dichlorophenol	ND	95	95	0.0	113	111	1.8	30 - 130	30
2,4-Dimethylphenol	ND	45	46	2.2	54	53	1.9	30 - 130	30
2,4-Dinitrophenol	ND	9.5	9.8	3.1	NC	NC	NC	30 - 130	30
2,4-Dinitrotoluene	ND	97	99	2.0	97	88	9.7	30 - 130	30
2,6-Dinitrotoluene	ND	96	97	1.0	103	97	6.0	30 - 130	30
2-Chloronaphthalene	ND	89	89	0.0	101	100	1.0	30 - 130	30
2-Chlorophenol	ND	80	81	1.2	100	98	2.0	30 - 130	30
2-Methylnaphthalene	ND	91	91	0.0	115	112	2.6	30 - 130	30
2-Methylphenol (o-cresol)	ND	81	81	0.0	91	88	3.4	30 - 130	30
2-Nitroaniline	ND	>150	>150	NC	NC	NC	NC	30 - 130	30
2-Nitrophenol	ND	87	86	1.2	93	86	7.8	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	82	84	2.4	99	95	4.1	30 - 130	30
3,3'-Dichlorobenzidine	ND	>150	>150	NC	94	97	3.1	30 - 130	30
3-Nitroaniline	ND	>150	>150	NC	115	113	1.8	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	52	54	3.8	5.5	NC	NC	30 - 130	30
4-Bromophenyl phenyl ether	ND	94	94	0.0	115	115	0.0	30 - 130	30
4-Chloro-3-methylphenol	ND	98	99	1.0	118	117	0.9	30 - 130	30
4-Chloroaniline	ND	59	59	0.0	32	34	6.1	30 - 130	30
4-Chlorophenyl phenyl ether	ND	96	97	1.0	108	106	1.9	30 - 130	30
4-Nitroaniline	ND	98	99	1.0	112	110	1.8	30 - 130	30
4-Nitrophenol	ND	93	95	2.1	88	82	7.1	30 - 130	30
Acenaphthene	ND	89	89	0.0	103	100	3.0	30 - 130	30
Acenaphthylene	ND	90	90	0.0	105	103	1.9	30 - 130	30
Acetophenone	ND	82	82	0.0	100	97	3.0	30 - 130	30
Aniline	ND	N/A	N/A	NC	N/A	N/A	NC	30 - 130	30
Anthracene	ND	94	94	0.0	107	105	1.9	30 - 130	30
Azobenzene	ND	94	96	2.1	103	99	4.0	30 - 130	30
Benz(a)anthracene	ND	97	96	1.0	107	104	2.8	30 - 130	30
Benzidine	ND	143	144	0.7	4.5	6.1	30.2	30 - 130	30
Benzo(a)pyrene	ND	96	95	1.0	103	103	0.0	30 - 130	30
Benzo(b)fluoranthene	ND	96	92	4.3	145	149	2.7	30 - 130	30
Benzo(ghi)perylene	ND	110	113	2.7	56	48	15.4	30 - 130	30
Benzo(k)fluoranthene	ND	100	101	1.0	140	142	1.4	30 - 130	30
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC	30 - 130	30

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzyl butyl phthalate	ND	102	100	2.0	133	135	1.5	30 - 130	30	m
Bis(2-chloroethoxy)methane	ND	81	83	2.4	101	98	3.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	77	78	1.3	97	94	3.1	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	79	80	1.3	98	96	2.1	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	118	116	1.7	140	139	0.7	30 - 130	30	m
Carbazole	ND	149	>150	NC	123	119	3.3	30 - 130	30	
Chrysene	ND	94	95	1.1	99	95	4.1	30 - 130	30	l
Dibenz(a,h)anthracene	ND	132	136	3.0	59	51	14.5	30 - 130	30	
Dibenzofuran	ND	93	93	0.0	112	109	2.7	30 - 130	30	
Diethyl phthalate	ND	99	99	0.0	109	107	1.9	30 - 130	30	
Dimethylphthalate	ND	94	95	1.1	106	102	3.8	30 - 130	30	
Di-n-butylphthalate	ND	94	95	1.1	109	107	1.9	30 - 130	30	
Di-n-octylphthalate	ND	106	107	0.9	114	111	2.7	30 - 130	30	
Fluoranthene	ND	93	93	0.0	88	84	4.7	30 - 130	30	
Fluorene	ND	102	102	0.0	113	110	2.7	30 - 130	30	
Hexachlorobenzene	ND	98	97	1.0	108	109	0.9	30 - 130	30	
Hexachlorobutadiene	ND	88	88	0.0	101	100	1.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	79	77	2.6	NC	NC	NC	30 - 130	30	
Hexachloroethane	ND	79	79	0.0	50	42	17.4	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	122	125	2.4	62	54	13.8	30 - 130	30	
Isophorone	ND	68	69	1.5	85	84	1.2	30 - 130	30	
Naphthalene	ND	84	85	1.2	115	113	1.8	30 - 130	30	
Nitrobenzene	ND	85	85	0.0	101	98	3.0	30 - 130	30	
N-Nitrosodimethylamine	ND	72	70	2.8	88	86	2.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	88	85	3.5	102	100	2.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	111	111	0.0	114	109	4.5	30 - 130	30	
Pentachloronitrobenzene	ND	103	101	2.0	93	83	11.4	30 - 130	30	
Pentachlorophenol	ND	87	90	3.4	88	83	5.8	30 - 130	30	
Phenanthrene	ND	99	98	1.0	107	105	1.9	30 - 130	30	
Phenol	ND	93	91	2.2	106	103	2.9	30 - 130	30	
Pyrene	ND	95	96	1.0	83	80	3.7	30 - 130	30	
Pyridine	ND	57	56	1.8	60	59	1.7	30 - 130	30	
% 2,4,6-Tribromophenol	99	113	111	1.8	122	120	1.7	15 - 130	30	m
% 2-Fluorobiphenyl	76	86	86	0.0	92	90	2.2	30 - 130	30	
% 2-Fluorophenol	78	84	84	0.0	99	96	3.1	15 - 130	30	
% Nitrobenzene-d5	74	86	86	0.0	97	94	3.1	30 - 130	30	
% Phenol-d5	77	87	87	0.0	100	97	3.0	15 - 130	30	
% Terphenyl-d14	74	79	80	1.3	75	72	4.1	30 - 130	30	

QA/QC Batch 194236, QC Sample No: BB42339 (BB42286)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	116	106	9.0				70 - 130	30
1,1,1-Trichloroethane	ND	116	102	12.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	109	106	2.8				70 - 130	30
1,1,2-Trichloroethane	ND	117	106	9.9				70 - 130	30
1,1-Dichloroethane	ND	114	102	11.1				70 - 130	30
1,1-Dichloroethene	ND	102	104	1.9				70 - 130	30
1,1-Dichloropropene	ND	120	90	28.6				70 - 130	30
1,2,3-Trichlorobenzene	ND	115	110	4.4				70 - 130	30
1,2,3-Trichloropropane	ND	119	113	5.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	112	102	9.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	115	102	12.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	124	123	0.8				70 - 130	30

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichlorobenzene	ND	111	100	10.4				70 - 130	30
1,2-Dichloroethane	ND	121	102	17.0				70 - 130	30
1,2-Dichloropropane	ND	121	102	17.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	116	105	10.0				70 - 130	30
1,3-Dichlorobenzene	ND	112	98	13.3				70 - 130	30
1,3-Dichloropropane	ND	116	107	8.1				70 - 130	30
1,4-Dichlorobenzene	ND	111	97	13.5				70 - 130	30
2,2-Dichloropropane	ND	116	105	10.0				70 - 130	30
2-Chlorotoluene	ND	115	101	13.0				70 - 130	30
2-Hexanone	ND	>150	130	NC				70 - 130	30
2-Isopropyltoluene	ND	116	102	12.8				70 - 130	30
4-Chlorotoluene	ND	110	95	14.6				70 - 130	30
4-Methyl-2-pentanone	ND	137	122	11.6				70 - 130	30
Acetone	ND	97	95	2.1				70 - 130	30
Acrylonitrile	ND	111	105	5.6				70 - 130	30
Benzene	ND	127	93	30.9				70 - 130	30
Bromobenzene	ND	116	102	12.8				70 - 130	30
Bromochloromethane	ND	118	102	14.5				70 - 130	30
Bromodichloromethane	ND	126	108	15.4				70 - 130	30
Bromoform	ND	119	110	7.9				70 - 130	30
Bromomethane	ND	95	94	1.1				70 - 130	30
Carbon Disulfide	ND	110	113	2.7				70 - 130	30
Carbon tetrachloride	ND	136	94	36.5				70 - 130	30
Chlorobenzene	ND	113	99	13.2				70 - 130	30
Chloroethane	ND	103	104	1.0				70 - 130	30
Chloroform	ND	117	104	11.8				70 - 130	30
Chloromethane	ND	95	104	9.0				70 - 130	30
cis-1,2-Dichloroethene	ND	118	102	14.5				70 - 130	30
cis-1,3-Dichloropropene	ND	120	107	11.5				70 - 130	30
Dibromochloromethane	ND	123	111	10.3				70 - 130	30
Dibromoethane	ND	120	109	9.6				70 - 130	30
Dibromomethane	ND	118	105	11.7				70 - 130	30
Dichlorodifluoromethane	ND	93	75	21.4				70 - 130	30
Ethylbenzene	ND	120	101	17.2				70 - 130	30
Hexachlorobutadiene	ND	113	99	13.2				70 - 130	30
Isopropylbenzene	ND	118	102	14.5				70 - 130	30
m&p-Xylene	ND	116	101	13.8				70 - 130	30
Methyl ethyl ketone	ND	127	94	29.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	112	105	6.5				70 - 130	30
Methylene chloride	ND	104	110	5.6				70 - 130	30
Naphthalene	ND	115	118	2.6				70 - 130	30
n-Butylbenzene	ND	120	103	15.2				70 - 130	30
n-Propylbenzene	ND	111	95	15.5				70 - 130	30
o-Xylene	ND	119	103	14.4				70 - 130	30
p-Isopropyltoluene	ND	122	107	13.1				70 - 130	30
sec-Butylbenzene	ND	116	99	15.8				70 - 130	30
Styrene	ND	121	103	16.1				70 - 130	30
tert-Butylbenzene	ND	117	102	13.7				70 - 130	30
Tetrachloroethene	ND	112	98	13.3				70 - 130	30
Tetrahydrofuran (THF)	ND	108	104	3.8				70 - 130	30
Toluene	ND	117	102	13.7				70 - 130	30
trans-1,2-Dichloroethene	ND	105	108	2.8				70 - 130	30
trans-1,3-Dichloropropene	ND	124	108	13.8				70 - 130	30

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,4-dichloro-2-butene	ND	117	106	9.9				70 - 130	30
Trichloroethene	ND	117	103	12.7				70 - 130	30
Trichlorofluoromethane	ND	118	122	3.3				70 - 130	30
Trichlorotrifluoroethane	ND	102	107	4.8				70 - 130	30
Vinyl chloride	ND	100	100	0.0				70 - 130	30
% 1,2-dichlorobenzene-d4	100	99	100	1.0				70 - 130	30
% Bromofluorobenzene	97	102	99	3.0				70 - 130	30
% Dibromofluoromethane	94	105	98	6.9				70 - 130	30
% Toluene-d8	92	101	100	1.0				70 - 130	30

Comment:

The MS/MSD are not reported for this batch.

QA/QC Batch 194300, QC Sample No: BB42343 (BB42289 (50X) , BB42290 (250X) , BB42291)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	107	108	0.9	94	93	1.1	70 - 130	30	
1,1,1-Trichloroethane	ND	105	104	1.0	101	101	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	86	102	17.0	97	87	10.9	70 - 130	30	
1,1,2-Trichloroethane	ND	98	110	11.5	91	85	6.8	70 - 130	30	
1,1-Dichloroethane	ND	93	110	16.7	103	85	19.1	70 - 130	30	
1,1-Dichloroethene	ND	104	99	4.9	103	104	1.0	70 - 130	30	
1,1-Dichloropropene	ND	102	100	2.0	95	98	3.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	91	96	5.3	63	57	10.0	70 - 130	30	m
1,2,3-Trichloropropane	ND	94	109	14.8	95	88	7.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	83	83	0.0	60	57	5.1	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	96	96	0.0	80	81	1.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	96	124	25.5	97	82	16.8	70 - 130	30	
1,2-Dichlorobenzene	ND	92	95	3.2	79	75	5.2	70 - 130	30	
1,2-Dichloroethane	ND	98	107	8.8	91	88	3.4	70 - 130	30	
1,2-Dichloropropane	ND	101	107	5.8	92	92	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	99	98	1.0	86	89	3.4	70 - 130	30	
1,3-Dichlorobenzene	ND	91	91	0.0	78	74	5.3	70 - 130	30	
1,3-Dichloropropane	ND	98	107	8.8	90	85	5.7	70 - 130	30	
1,4-Dichlorobenzene	ND	88	89	1.1	77	72	6.7	70 - 130	30	
2,2-Dichloropropane	ND	99	99	0.0	91	93	2.2	70 - 130	30	
2-Chlorotoluene	ND	98	97	1.0	86	86	0.0	70 - 130	30	
2-Hexanone	ND	88	101	13.8	<40	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	98	98	0.0	88	92	4.4	70 - 130	30	
4-Chlorotoluene	ND	91	88	3.4	83	80	3.7	70 - 130	30	
4-Methyl-2-pentanone	ND	83	102	20.5	66	60	9.5	70 - 130	30	m
Acetone	ND	73	79	7.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	88	110	22.2	81	69	16.0	70 - 130	30	m
Benzene	ND	104	105	1.0	92	92	0.0	70 - 130	30	
Bromobenzene	ND	98	100	2.0	86	82	4.8	70 - 130	30	
Bromochloromethane	ND	97	106	8.9	93	85	9.0	70 - 130	30	
Bromodichloromethane	ND	103	110	6.6	93	92	1.1	70 - 130	30	
Bromoform	ND	103	117	12.7	92	87	5.6	70 - 130	30	
Bromomethane	ND	103	91	12.4	85	93	9.0	70 - 130	30	
Carbon Disulfide	ND	112	107	4.6	95	93	2.1	70 - 130	30	
Carbon tetrachloride	ND	109	103	5.7	98	105	6.9	70 - 130	30	
Chlorobenzene	ND	98	98	0.0	88	86	2.3	70 - 130	30	
Chloroethane	ND	102	97	5.0	100	105	4.9	70 - 130	30	
Chloroform	ND	96	109	12.7	99	86	14.1	70 - 130	30	
Chloromethane	ND	95	87	8.8	88	95	7.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	104	102	1.9	92	92	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	100	104	3.9	82	83	1.2	70 - 130	30	
Dibromochloromethane	ND	105	113	7.3	95	90	5.4	70 - 130	30	
Dibromoethane	ND	97	108	10.7	92	84	9.1	70 - 130	30	
Dibromomethane	ND	95	108	12.8	93	86	7.8	70 - 130	30	
Dichlorodifluoromethane	ND	77	72	6.7	94	98	4.2	70 - 130	30	
Ethylbenzene	ND	100	99	1.0	89	90	1.1	70 - 130	30	
Hexachlorobutadiene	ND	92	89	3.3	73	83	12.8	70 - 130	30	
Isopropylbenzene	ND	100	97	3.0	91	94	3.2	70 - 130	30	
m&p-Xylene	ND	100	98	2.0	87	87	0.0	70 - 130	30	
Methyl ethyl ketone	ND	73	85	15.2	<40	<40	NC	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	104	114	9.2	102	101	1.0	70 - 130	30	
Methylene chloride	ND	108	103	4.7	96	92	4.3	70 - 130	30	
Naphthalene	ND	100	110	9.5	72	64	11.8	70 - 130	30	m
n-Butylbenzene	ND	94	88	6.6	77	81	5.1	70 - 130	30	
n-Propylbenzene	ND	93	90	3.3	89	89	0.0	70 - 130	30	
o-Xylene	ND	100	100	0.0	89	88	1.1	70 - 130	30	
p-Isopropyltoluene	ND	100	97	3.0	84	87	3.5	70 - 130	30	
sec-Butylbenzene	ND	98	95	3.1	89	93	4.4	70 - 130	30	
Styrene	ND	99	99	0.0	81	80	1.2	70 - 130	30	
tert-Butylbenzene	ND	100	98	2.0	94	97	3.1	70 - 130	30	
Tetrachloroethene	ND	100	95	5.1	93	95	2.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	79	109	31.9	98	75	26.6	70 - 130	30	r
Toluene	ND	103	104	1.0	91	92	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	120	94	24.3	93	119	24.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	98	107	8.8	81	81	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	94	107	12.9	78	67	15.2	70 - 130	30	m
Trichloroethene	ND	105	106	0.9	91	93	2.2	70 - 130	30	
Trichlorofluoromethane	ND	114	107	6.3	103	99	4.0	70 - 130	30	
Trichlorotrifluoroethane	ND	105	96	9.0	101	108	6.7	70 - 130	30	
Vinyl chloride	ND	99	90	9.5	93	101	8.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	105	98	105	6.9	101	98	3.0	70 - 130	30	
% Bromofluorobenzene	96	99	102	3.0	100	97	3.0	70 - 130	30	
% Dibromofluoromethane	107	93	104	11.2	106	94	12.0	70 - 130	30	
% Toluene-d8	98	100	101	1.0	100	100	0.0	70 - 130	30	

QA/QC Batch 194358, QC Sample No: BB42732 (BB42287 (50X) , BB42288 (25X) , BB42289 (500X) , BB42290 (1000X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	102	99	3.0	89	86	3.4	70 - 130	30	
1,1,1-Trichloroethane	ND	99	106	6.8	98	99	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	101	94	7.2	95	85	11.1	70 - 130	30	
1,1,2-Trichloroethane	ND	107	104	2.8	89	88	1.1	70 - 130	30	
1,1-Dichloroethane	ND	102	105	2.9	97	97	0.0	70 - 130	30	
1,1-Dichloroethene	ND	102	90	12.5	103	87	16.8	70 - 130	30	
1,1-Dichloropropene	ND	90	112	21.8	78	99	23.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	106	90	16.3	40	<40	NC	70 - 130	30	m
1,2,3-Trichloropropane	ND	113	84	29.4	105	99	5.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	97	88	9.7	<40	<40	NC	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	99	94	5.2	58	62	6.7	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	120	101	17.2	93	78	17.5	70 - 130	30	
1,2-Dichlorobenzene	ND	96	93	3.2	62	65	4.7	70 - 130	30	m
1,2-Dichloroethane	ND	97	104	7.0	90	93	3.3	70 - 130	30	
1,2-Dichloropropane	ND	104	107	2.8	94	98	4.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	101	96	5.1	75	77	2.6	70 - 130	30	
1,3-Dichlorobenzene	ND	94	94	0.0	59	66	11.2	70 - 130	30	m
1,3-Dichloropropane	ND	103	100	3.0	88	86	2.3	70 - 130	30	
1,4-Dichlorobenzene	ND	94	90	4.3	56	62	10.2	70 - 130	30	m
2,2-Dichloropropane	ND	104	102	1.9	101	95	6.1	70 - 130	30	
2-Chlorotoluene	ND	97	97	0.0	76	81	6.4	70 - 130	30	
2-Hexanone	ND	91	89	2.2	78	90	14.3	70 - 130	30	
2-Isopropyltoluene	ND	97	95	2.1	74	76	2.7	70 - 130	30	
4-Chlorotoluene	ND	92	91	1.1	65	73	11.6	70 - 130	30	m
4-Methyl-2-pentanone	ND	107	95	11.9	80	77	3.8	70 - 130	30	
Acetone	ND	85	57	39.4	72	56	25.0	70 - 130	30	I,m,r
Acrylonitrile	ND	103	96	7.0	92	89	3.3	70 - 130	30	
Benzene	ND	93	114	20.3	84	102	19.4	70 - 130	30	
Bromobenzene	ND	101	101	0.0	75	81	7.7	70 - 130	30	
Bromochloromethane	ND	101	105	3.9	88	92	4.4	70 - 130	30	
Bromodichloromethane	ND	106	111	4.6	93	95	2.1	70 - 130	30	
Bromoform	ND	108	105	2.8	81	81	0.0	70 - 130	30	
Bromomethane	ND	88	85	3.5	98	88	10.8	70 - 130	30	
Carbon Disulfide	ND	111	97	13.5	86	76	12.3	70 - 130	30	
Carbon tetrachloride	ND	92	118	24.8	86	106	20.8	70 - 130	30	
Chlorobenzene	ND	96	98	2.1	75	78	3.9	70 - 130	30	
Chloroethane	ND	97	96	1.0	100	96	4.1	70 - 130	30	
Chloroform	ND	105	102	2.9	100	94	6.2	70 - 130	30	
Chloromethane	ND	99	88	11.8	110	90	20.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	101	104	2.9	87	87	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	109	0.9	80	83	3.7	70 - 130	30	
Dibromochloromethane	ND	107	107	0.0	89	87	2.3	70 - 130	30	
Dibromoethane	ND	110	106	3.7	78	83	6.2	70 - 130	30	
Dibromomethane	ND	104	104	0.0	80	82	2.5	70 - 130	30	
Dichlorodifluoromethane	ND	73	76	4.0	95	103	8.1	70 - 130	30	
Ethylbenzene	ND	97	100	3.0	79	83	4.9	70 - 130	30	
Hexachlorobutadiene	ND	94	85	10.1	<40	<40	NC	70 - 130	30	m
Isopropylbenzene	ND	98	99	1.0	86	91	5.6	70 - 130	30	
m&p-Xylene	ND	96	97	1.0	72	76	5.4	70 - 130	30	
Methyl ethyl ketone	ND	74	74	0.0	74	80	7.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	106	101	4.8	101	94	7.2	70 - 130	30	
Methylene chloride	ND	107	93	14.0	105	87	18.8	70 - 130	30	
Naphthalene	ND	113	97	15.2	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	96	93	3.2	46	53	14.1	70 - 130	30	m
n-Propylbenzene	ND	92	93	1.1	75	81	7.7	70 - 130	30	
o-Xylene	ND	100	101	1.0	79	83	4.9	70 - 130	30	
p-Isopropyltoluene	ND	102	98	4.0	68	72	5.7	70 - 130	30	m
sec-Butylbenzene	ND	95	95	0.0	69	73	5.6	70 - 130	30	m
Styrene	ND	101	104	2.9	65	73	11.6	70 - 130	30	m
tert-Butylbenzene	ND	98	98	0.0	81	84	3.6	70 - 130	30	
Tetrachloroethene	ND	96	94	2.1	81	84	3.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	105	98	6.9	95	90	5.4	70 - 130	30	
Toluene	ND	102	104	1.9	84	88	4.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	93	14.9	92	78	16.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	112	2.7	71	77	8.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	109	110	0.9	72	74	2.7	70 - 130	30	
Trichloroethene	ND	104	103	1.0	86	89	3.4	70 - 130	30	
Trichlorofluoromethane	ND	117	103	12.7	107	91	16.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB42286

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorotrifluoroethane	ND	101	88	13.8	104	87	17.8	70 - 130	30
Vinyl chloride	ND	98	87	11.9	104	90	14.4	70 - 130	30
% 1,2-dichlorobenzene-d4	99	104	100	3.9	101	102	1.0	70 - 130	30
% Bromofluorobenzene	97	101	103	2.0	93	96	3.2	70 - 130	30
% Dibromofluoromethane	94	99	105	5.9	102	101	1.0	70 - 130	30
% Toluene-d8	101	101	103	2.0	101	101	0.0	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

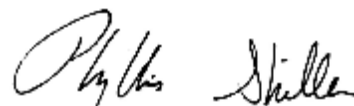
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director

February 17, 2012

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42286	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	200	10	ug/Kg
BB42286	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	1900	10	ug/Kg
BB42286	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	400	5	ug/Kg
BB42286	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	6000	5	ug/Kg
BB42286	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7400	200	10	ug/Kg
BB42286	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	2700	5	ug/Kg
BB42286	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	100	5	ug/Kg
BB42286	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	300	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	200	5	ug/Kg
BB42286	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7400	300	10	ug/Kg
BB42286	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	300	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	800	5	ug/Kg
BB42286	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	600	5	ug/Kg
BB42286	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	60	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	100	5	ug/Kg
BB42286	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	700	5	ug/Kg
BB42286	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7400	1000	10	ug/Kg
BB42286	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	1500	5	ug/Kg
BB42286	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	1400	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	300	5	ug/Kg
BB42286	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500		5	ug/Kg
BB42286	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	1700	5	ug/Kg
BB42286	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	7400	1500	5500	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	600	5	ug/Kg
BB42286	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	400	5	ug/Kg
BB42286	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	8500	1500	3400	330	ug/Kg
BB42286	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	36800	1500	1200		ug/Kg
BB42286	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	30	330	ug/Kg
BB42286	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42286	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42286	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	200	330	ug/Kg
BB42286	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	220	330	ug/Kg
BB42286	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	240	330	ug/Kg
BB42286	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42286	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	500	1600	ug/Kg
BB42286	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	200	1600	ug/Kg
BB42286	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB42286	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	430	1600	ug/Kg
BB42286	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	61	330	ug/Kg
BB42286	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	224	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42286	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	14	330	ug/Kg
BB42287	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	200	10	ug/Kg
BB42287	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	1900	10	ug/Kg
BB42287	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	400	5	ug/Kg
BB42287	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	6000	5	ug/Kg
BB42287	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB42287	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	2700	5	ug/Kg
BB42287	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	100	5	ug/Kg
BB42287	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	300	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	200	5	ug/Kg
BB42287	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	10	ug/Kg
BB42287	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	300	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	800	5	ug/Kg
BB42287	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	600	5	ug/Kg
BB42287	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	60	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	100	5	ug/Kg
BB42287	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	700	5	ug/Kg
BB42287	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1000	10	ug/Kg
BB42287	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	1400	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	300	5	ug/Kg
BB42287	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270		5	ug/Kg
BB42287	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	1700	5	ug/Kg
BB42287	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	6900	270	5500	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	600	5	ug/Kg
BB42287	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	270	400	5	ug/Kg
BB42287	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	4500	270	3400	330	ug/Kg
BB42287	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	11200	270	1200		ug/Kg
BB42287	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB42287	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42287	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB42287	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB42287	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB42287	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB42287	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB42287	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	500	1600	ug/Kg
BB42287	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	200	1600	ug/Kg
BB42287	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB42287	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	430	1600	ug/Kg
BB42287	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42287	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB42287	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB42288	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	200	10	ug/Kg
BB42288	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	1900	10	ug/Kg
BB42288	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	400	5	ug/Kg
BB42288	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	6000	5	ug/Kg
BB42288	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	700	200	10	ug/Kg
BB42288	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	2700	5	ug/Kg
BB42288	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	100	5	ug/Kg
BB42288	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	300	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	200	5	ug/Kg
BB42288	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	700	300	10	ug/Kg
BB42288	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	300	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	800	5	ug/Kg
BB42288	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	600	5	ug/Kg
BB42288	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	60	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	100	5	ug/Kg
BB42288	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	700	5	ug/Kg
BB42288	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	700	1000	10	ug/Kg
BB42288	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	1500	5	ug/Kg
BB42288	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	1400	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	300	5	ug/Kg
BB42288	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140		5	ug/Kg
BB42288	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	1700	5	ug/Kg
BB42288	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	5500	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	600	5	ug/Kg
BB42288	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	140	400	5	ug/Kg
BB42288	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB42288	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42288	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB42288	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB42288	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB42288	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB42288	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB42288	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	500	1600	ug/Kg
BB42288	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	200	1600	ug/Kg
BB42288	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB42288	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	430	1600	ug/Kg
BB42288	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42288	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB42288	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB42289	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	200	10	ug/Kg
BB42289	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	1900	10	ug/Kg
BB42289	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	400	5	ug/Kg
BB42289	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	6000	5	ug/Kg
BB42289	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	200	10	ug/Kg
BB42289	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	2700	5	ug/Kg
BB42289	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	100	5	ug/Kg
BB42289	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	300	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	200	5	ug/Kg
BB42289	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	300	10	ug/Kg
BB42289	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	300	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	800	5	ug/Kg
BB42289	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	600	5	ug/Kg
BB42289	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	60	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	100	5	ug/Kg
BB42289	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	700	5	ug/Kg
BB42289	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1500	1000	10	ug/Kg
BB42289	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	1400	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	300	5	ug/Kg
BB42289	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290		5	ug/Kg
BB42289	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	1700	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	600	5	ug/Kg
BB42289	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	290	400	5	ug/Kg
BB42289	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	5600	290	3400	330	ug/Kg
BB42289	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	23400	290	1200		ug/Kg
BB42289	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	30	330	ug/Kg
BB42289	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42289	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42289	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	200	330	ug/Kg
BB42289	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	220	330	ug/Kg
BB42289	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	240	330	ug/Kg
BB42289	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42289	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	500	1600	ug/Kg
BB42289	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	200	1600	ug/Kg
BB42289	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB42289	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	430	1600	ug/Kg
BB42289	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	61	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42289	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	224	330	ug/Kg
BB42289	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	14	330	ug/Kg
BB42290	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB42290	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1900	10	ug/Kg
BB42290	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB42290	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	6000	5	ug/Kg
BB42290	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	200	10	ug/Kg
BB42290	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	2700	5	ug/Kg
BB42290	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB42290	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	5	ug/Kg
BB42290	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	300	10	ug/Kg
BB42290	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	800	5	ug/Kg
BB42290	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB42290	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	60	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB42290	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	700	5	ug/Kg
BB42290	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	1000	10	ug/Kg
BB42290	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	6200	1400	1500	5	ug/Kg
BB42290	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1400	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB42290	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400		5	ug/Kg
BB42290	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1700	5	ug/Kg
BB42290	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	11000	1400	5500	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB42290	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB42290	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	7800	1400	3400	330	ug/Kg
BB42290	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	64000	1400	1200		ug/Kg
BB42290	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	30	330	ug/Kg
BB42290	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42290	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB42290	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	200	330	ug/Kg
BB42290	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	220	330	ug/Kg
BB42290	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	240	330	ug/Kg
BB42290	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB42290	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	590	500	1600	ug/Kg
BB42290	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	590	200	1600	ug/Kg
BB42290	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42290	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	590	430	1600	ug/Kg
BB42290	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	61	330	ug/Kg
BB42290	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	224	330	ug/Kg
BB42290	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	14	330	ug/Kg
BB42291	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	200	10	ug/Kg
BB42291	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	1900	10	ug/Kg
BB42291	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	400	5	ug/Kg
BB42291	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	6000	5	ug/Kg
BB42291	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5700	200	10	ug/Kg
BB42291	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	2700	5	ug/Kg
BB42291	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	100	5	ug/Kg
BB42291	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	300	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	200	5	ug/Kg
BB42291	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5700	300	10	ug/Kg
BB42291	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	300	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	800	5	ug/Kg
BB42291	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	600	5	ug/Kg
BB42291	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	60	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	100	5	ug/Kg
BB42291	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	700	5	ug/Kg
BB42291	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5700	1000	10	ug/Kg
BB42291	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	1500	5	ug/Kg
BB42291	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	1400	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	300	5	ug/Kg
BB42291	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100		5	ug/Kg
BB42291	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	1700	5	ug/Kg
BB42291	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	8800	1100	5500	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	600	5	ug/Kg
BB42291	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1100	400	5	ug/Kg
BB42291	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	6300	1100	3400	330	ug/Kg
BB42291	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	43000	1100	1200		ug/Kg
BB42291	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	30	330	ug/Kg
BB42291	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB42291	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42291	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	200	330	ug/Kg
BB42291	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	220	330	ug/Kg
BB42291	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	240	330	ug/Kg
BB42291	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB42291	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	610	500	1600	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB42286

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB42291	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	610	200	1600	ug/Kg
BB42291	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB42291	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	610	430	1600	ug/Kg
BB42291	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	61	330	ug/Kg
BB42291	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	224	330	ug/Kg
BB42291	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	14	330	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

ENVIRONMENTAL MAINTENANCE CONTRACTORS, INC.

Environmental Consulting and Remedial / Abatement Services

- * Asbestos Testing and Removal * Lead Based Paint (XRF) Testing * Underground Storage Tank Removal Services*
- * Indoor Air Quality Testing * Mold Abatement Service * Hazardous Material Testing and Abatement *
- * Environmental Phase I and II Assessments *

April 24, 2012

Ryan M. Piper, Engineering Geologist I

NYS Department of Environmental Conservation

Spill Prevention and Response Programs, Division of Environmental Remediation

**Re: NYS DEC Spill Case: 11-08991 – Soil & Groundwater Sample Analysis Report
for 1676 3rd Ave., New York City, NY 10011 (aka Subject Site)**

Please find below and attached a description of the events that have occurred as they relate to the subsurface contaminated materials that remain at the above referenced Subject Site, as well as the associated supporting documentation as referenced below.

March 21, 2012:

- Environmental Maintenance Contractors, Inc. (EMC) advanced one (1) soil boring (SB-B) and installed one (1) groundwater monitoring well (MW-B) into the location of soil boring (SB-B) within the basement of the Subject Site, as indicated on the ***attached drawing(s)***;
- Soil samples were then collected, screened with a Photo-Ionization Detector (PID) and packaged for laboratory analysis to further delineate the presence of volatile or semi volatile organic materials contamination in the subsurface materials at depths below the location of end point samples (12.0' bgs) collected for the Subject Site. Please find ***attached a report of PID readings collected***.
- The soil boring was advanced to a depth of approximately 22.5' bgs and the groundwater monitoring well were installed to a depth of approximately 22.0' bgs.
- Groundwater was encountered at a depth of approximately 18.0' bgs.
- Soil samples collected were transported to a New York State accredited/approved laboratory, with a certified chain of custody for analysis via VOC's, by EPA Method 8260 and SVOC's by EPA Method 8270.

Based on the review of the field data and analytical laboratory data reported for the soil samples collected, in the basement of the Subject Site, on March 21, 2012, the sample results indicate either non-detect (ND) or concentration of contaminants below the NYS DEC Recommended Soil Cleanup Objectives. Please see ***attached copy of soil sample results spreadsheet and laboratory data for the sample analyzed***.

March 26 & 27, 2012:

- EMC monitored the advancement of three (3) soil borings (SB-1, SB-2 and SB-3) and the installation of three (3) groundwater monitoring wells (MW-1, MW-2 and MW-3) at each of the three (3) soil boring locations on the sidewalk of the Subject Site, as indicated on the ***attached drawing(s)***.
- Soil samples were then collected, screened with a Photo-Ionization Detector (PID) and packaged for laboratory analysis to further delineate the presence of volatile or semi volatile organic materials contamination in the subsurface materials, at depths below the

**EMC, Inc. 5 Anderson Lane, Goldens Bridge, New York 10526 Tel: 914-232-7355 Fax: 914-232-7357
email: rstumbo@enviromain.com**

location of end point samples (12.0' bgs) collected for the Subject Site. The soil borings were advanced and the ground water monitoring wells were installed at a depth of approximately 15.0' bgs. Please find ***attached a report of PID readings collected.***

- Ground water was encountered at a depth of approximately 12.5" bgs at SB-1 location, approximately 11.0' bgs at SB-2 location and 14.0' bgs at SB-3 location of the Subject Site.
- Soil samples collected were transported to a New York State accredited/approved laboratory, with a certified chain of custody for analysis via VOC's, by EPA Method 8260 and SVOC's by EPA Method 8270.

Based on the review of the field screening and analytical laboratory data reported for the soil samples collected on the sidewalk of the Subject Site on March 26 & 27, 2012, the analytical results indicate that concentration of contaminants exceeds the NYS DEC Recommended Soil Cleanup Objectives. Please see ***attached copy of soil sample results spreadsheet and laboratory data for the sample analyzed*** for your review.

April 9, 2012:

- EMC returned to the Subject Site to develop the groundwater monitoring wells for sampling including groundwater monitoring wells #MW-1, MW-2, MW-3 and MW-B.

April 11, 2012:

- EMC returned to the Subject Site to perform field measurement of the groundwater for pH, Dissolved Oxygen (DO), Oxidation/Reduction Potential (ORP), Specific Conductance and Turbidity utilizing a YSI 650 Multiparameter System. Please find attached spreadsheet detailing data observed during screening activities.
- EMC collected groundwater samples from groundwater monitoring wells #MW-1, MW-2, MW-3 and MW-B.
- Groundwater samples collected were containerized and transported to a New York State accredited/approved laboratory, with a certified chain of custody for analysis via VOC's, by EPA Method 8260 and SVOC's by EPA Method 8270.

Based on the review of the analytical laboratory data reported for the groundwater samples collected on the sidewalk and basement of the Subject Site on April 11, 2012, the analytical results indicate that concentration of contaminants exceeds the NYS DEC Recommended Soil Cleanup Objectives (Groundwater Standard Criteria). Please see ***attached copy of groundwater sample results spreadsheet and laboratory data for the sample analyzed*** for your review.

Should you have any questions or require additional information please do not hesitate to contact me.

Prepared and Reviewed by:
Environmental Maintenance Contractors, Inc.
Mr. Richard Stumbo, President

Attachments

**EMC, Inc. 5 Anderson Lane, Goldens Bridge, New York 10526 Tel: 914-232-7355 Fax: 914-232-7357
email: rstumbo@enviromain.com**

Attachments:

- Site Map, Boring and Groundwater Monitoring Well Locations Map (Basement & Sidewalk)
- Soil Sample Results for 03/21/2012 (Basement)
and
Soil Sample Results for 03/26 & 27/2012 (Sidewalk)
- Groundwater Sample Results for 04/11/2012
(Basement & Sidewalk)
- Laboratory Analytical Results (Basement and
Sidewalk)
- Groundwater Field Parameters Spreadsheet
- PID Reading Table

EAST 94TH STREET

 **—Approximate SB-B/MW-B
Location Map**

30'-2"

36'-8"

Subject Site

25'-4 $\frac{1}{4}$ "

25'-4 $\frac{1}{4}$ "

SB-B/MW-B



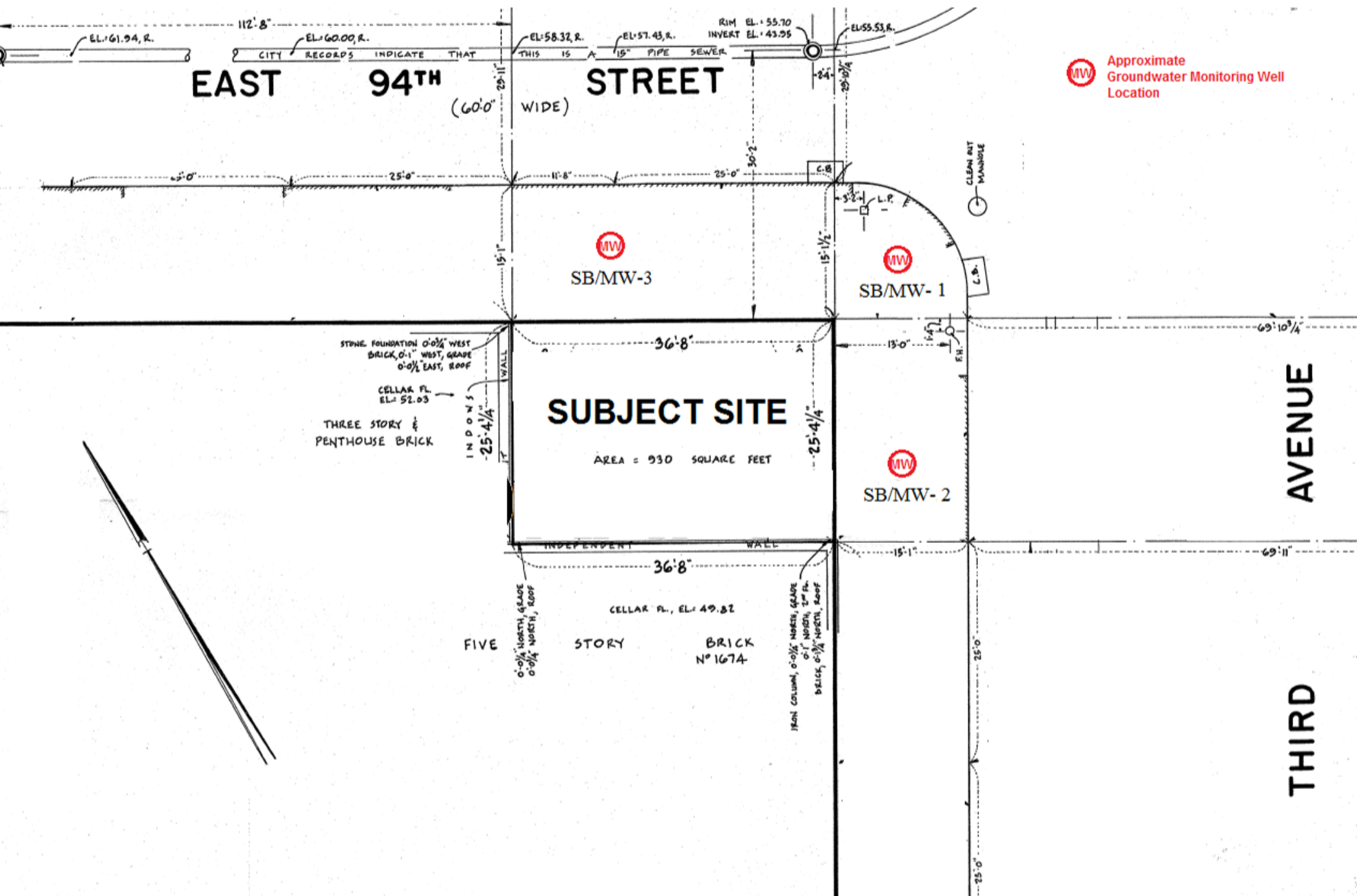
36'-8"

THIRD AVENUE



BLOCK 1522
LOT 40

1676 3rd Ave. New York NY



Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040 (860) 645-1102 Project Id : 1676 THIRD AVE NYC NY	Lab Sample Id	BB57215	BB57216	Rec. Soil Cleanup Objective (ppb)
	Collection Date	3/21/2012	3/21/2012	
	Client Id	SBH-B	SBC-B	
	Matrix	Solid	Solid	
	Units	Result	Result	
PID Readings	ppm	445	17.8	
Depth	feet	16-18	20-22	
Volatiles By SW8260				
1,2,4-Trimethylbenzene	ug/Kg	ND	ND	3,600
1,3,5-Trimethylbenzene	ug/Kg	ND	ND	8,400
Benzene	ug/Kg	ND	ND	60
Ethylbenzene	ug/Kg	ND	ND	1,000
Isopropylbenzene	ug/Kg	ND	ND	2,300
Methyl t-butyl ether (MTBE)	ug/Kg	ND	ND	930
Naphthalene	ug/Kg	ND	ND	12,000
n-Butylbenzene	ug/Kg	560	ND	12,000
n-Propylbenzene	ug/Kg	190	ND	3,900
p-Isopropyltoluene	ug/Kg	ND	ND	10,000
sec-Butylbenzene	ug/Kg	210	ND	11,000
tert-Butylbenzene	ug/Kg	ND	ND	5,900
Toluene	ug/Kg	ND	ND	700
Total Xylenes	ug/Kg	ND	ND	260
Semivolatiles By SW 8270				
Acenaphthene	ug/Kg	ND	ND	20,000
Acenaphthylene	ug/Kg	ND	ND	100,000
Anthracene	ug/Kg	ND	ND	100,000
Benz(a)anthracene	ug/Kg	ND	ND	1,000
Benzo(a)pyrene	ug/Kg	ND	ND	1,000
Benzo(b)fluoranthene	ug/Kg	ND	ND	1,000
Benzo(ghi)perylene	ug/Kg	ND	ND	100,000
Benzo(k)fluoranthene	ug/Kg	ND	ND	800
Chrysene	ug/Kg	ND	ND	1,000
Dibenz(a,h)anthracene	ug/Kg	ND	ND	330
Fluoranthene	ug/Kg	ND	ND	100,000
Fluorene	ug/Kg	ND	ND	30,000
Indeno(1,2,3-cd)pyrene	ug/Kg	ND	ND	500
Naphthalene	ug/Kg	ND	ND	12,000
Phenanthrene	ug/Kg	ND	ND	100,000
Pyrene	ug/Kg	ND	ND	100,000

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria

ND - Non Detect

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040 (860) 645-1102 Project Id : 1676 THIRD AVE NYC NY	Lab Sample Id	BB59659	BB59660	BB59661	BB59662	BB59663	BB59664	BB59665	BB59666	BB59667	Rec. Soil Cleanup Objective (ppb)
	Collection Date	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/27/2012	3/27/2012	3/27/2012	
	Client Id	SBH-1	SBC-1	SBD-1	SBH-2	SBC-2	SBD-2	SBH-3	SBC-3	SBD-3	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PID Readings	ppm	714	3.5	32.2	1103	20.1	137	736	117	402	
Depth	feet	8-10	0-2	12-14	10-12	0-2	14-15	8-10	14-15	10-12	
Volatiles By SW8260											
1,2,4-Trimethylbenzene	ug/Kg	38,000	6.1	ND	2,000	7.5	ND	56,000	1,400	500	3,600
1,3,5-Trimethylbenzene	ug/Kg	16,000	17	ND	710	9	ND	22,000	470	230	8,400
Benzene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	60
Ethylbenzene	ug/Kg	9,200	5.6	ND	180	ND	ND	13,000	140	99	1,000
Isopropylbenzene	ug/Kg	2,300	ND	ND	ND	ND	ND	3,000	ND	26	2,300
Methyl t-butyl ether (MTBE)	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	930
Naphthalene	ug/Kg	5,200	ND	ND	780	ND	23	15,000	820	380	12,000
n-Butylbenzene	ug/Kg	4,000	ND	ND	160	ND	ND	3,500	150	27	12,000
n-Propylbenzene	ug/Kg	9,800	ND	ND	260	ND	ND	11,000	170	85	3,900
p-Isopropyltoluene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	9.9	10,000
sec-Butylbenzene	ug/Kg	1,600	ND	ND	ND	ND	ND	1,600	ND	ND	11,000
tert-Butylbenzene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900
Toluene	ug/Kg	4,100	8.1	ND	ND	6.1	ND	6,200	ND	38	700
Total Xylenes	ug/Kg	42,000	37	ND	1,280	25	ND	74,000	910	660	260
Semivolatiles By SW 8270											
Acenaphthene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000
Acenaphthylene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Benz(a)anthracene	ug/Kg	ND	ND	ND	480	ND	ND	ND	ND	ND	1,000
Benzo(a)pyrene	ug/Kg	ND	ND	ND	420	ND	ND	ND	ND	ND	1,000
Benzo(b)fluoranthene	ug/Kg	ND	ND	ND	710	ND	ND	ND	ND	ND	1,000
Benzo(ghi)perylene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Benzo(k)fluoranthene	ug/Kg	ND	ND	ND	270	ND	ND	ND	ND	ND	800
Chrysene	ug/Kg	ND	ND	ND	590	ND	ND	ND	ND	ND	1,000
Dibenz(a,h)anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	330
Fluoranthene	ug/Kg	ND	ND	ND	1,600	ND	ND	ND	ND	ND	100,000
Fluorene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000
Indeno(1,2,3-cd)pyrene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	500
Naphthalene	ug/Kg	4,400	ND	ND	1,300	ND	ND	12,000	ND	540	12,000
Phenanthrene	ug/Kg	ND	ND	ND	2,200	ND	ND	ND	ND	ND	100,000
Pyrene	ug/Kg	ND	ND	ND	1,200	ND	ND	ND	ND	ND	100,000

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria

ND - Non Detect

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040 (860) 645-1102	Lab Sample Id	BB71497	Groundwater Standards (ug/l or ppb)
	Collection Date	4/11/2012	
	Client Id	MW-B	
	Matrix	Ground Water	
Project Id : 1676 THIRD AVE., NYC, NY	Units	Result	
Volatiles By SW8260			
1,2,4-Trimethylbenzene	ug/L	150	5
1,3,5-Trimethylbenzene	ug/L	52	5
Benzene	ug/L	ND	0.7
Ethylbenzene	ug/L	270	5
Isopropylbenzene	ug/L	40	5
Methyl t-butyl ether (MTBE)	ug/L	ND	10
Naphthalene	ug/L	48	10
n-Butylbenzene	ug/L	35	5
n-Propylbenzene	ug/L	120	5
p-Isopropyltoluene	ug/L	ND	5
sec-Butylbenzene	ug/L	ND	5
tert-Butylbenzene	ug/L	ND	5
Toluene	ug/L	47	5
Total Xylenes	ug/L	320	5
Semivolatiles By SW8270			
Acenaphthene	ug/L	ND	20
Acenaphthylene	ug/L	ND	50
Anthracene	ug/L	ND	50
Benz(a)anthracene	ug/L	ND	0.002
Benzo(a)pyrene	ug/L	ND	0.002
Benzo(b)fluoranthene	ug/L	ND	0.002
Benzo(ghi)perylene	ug/L	ND	5
Benzo(k)fluoranthene	ug/L	ND	0.002
Chrysene	ug/L	ND	0.002
Dibenz(a,h)anthracene	ug/L	ND	50
Fluoranthene	ug/L	ND	50
Fluorene	ug/L	ND	50
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.002
Naphthalene	ug/L	49	10
Phenanthrene	ug/L	ND	50
Pyrene	ug/L	ND	50

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria

ND - Non Detect

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040 (860) 645-1102	Lab Sample Id	BB71379	BB71380	BB71381	Groundwater Standards (ug/l or ppb)
	Collection Date	4/11/2012	4/11/2012	4/11/2012	
	Client Id	MW-1	MW-2	MW-3	
	Matrix	Ground Water	Ground Water	Ground Water	
Project Id : 1676 THIRD AVE., NYC, NY	Units	Result	Result	Result	
Volatiles By SW8260					
1,2,4-Trimethylbenzene	ug/L	1,100	4,200	3,800	5
1,3,5-Trimethylbenzene	ug/L	500	1,200	780	5
Benzene	ug/L	1,500	1,500	430	0.7
Ethylbenzene	ug/L	720	4,000	2,500	5
Isopropylbenzene	ug/L	87	750	160	5
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	10
Naphthalene	ug/L	160	510	810	10
n-Butylbenzene	ug/L	74	480	ND	5
n-Propylbenzene	ug/L	240	480	420	5
p-Isopropyltoluene	ug/L	ND	150	ND	5
sec-Butylbenzene	ug/L	ND	280	ND	5
tert-Butylbenzene	ug/L	ND	ND	ND	5
Toluene	ug/L	900	6,500	3,800	5
Total Xylenes	ug/L	3,080	19,100	16,800	5
Semivolatiles By SW8270					
Acenaphthene	ug/L	ND	ND	ND	20
Acenaphthylene	ug/L	ND	ND	ND	50
Anthracene	ug/L	ND	ND	ND	50
Benz(a)anthracene	ug/L	ND	ND	ND	0.002
Benzo(a)pyrene	ug/L	ND	ND	ND	0.002
Benzo(b)fluoranthene	ug/L	ND	ND	ND	0.002
Benzo(ghi)perylene	ug/L	ND	ND	ND	5
Benzo(k)fluoranthene	ug/L	ND	ND	ND	0.002
Chrysene	ug/L	ND	ND	ND	0.002
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	50
Fluoranthene	ug/L	ND	ND	ND	50
Fluorene	ug/L	ND	ND	ND	50
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	0.002
Naphthalene	ug/L	160	1,100	1,900	10
Phenanthrene	ug/L	ND	ND	ND	50
Pyrene	ug/L	ND	ND	ND	50

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria

ND - Non Detect

Basement and Sidewalk Soil Sample Result Comparison Spreadsheet

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040 (860) 645-1102 Project Id : 1676 THIRD AVE NYC NY	Basement		Sidewalk										Rec. Soil Cleanup Objective (ppb)
	Lab Sample Id	BB57215	BB57216	BB59659	BB59660	BB59661	BB59662	BB59663	BB59664	BB59665	BB59666	BB59667	
	Collection Date	3/21/2012	3/21/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012	3/27/2012	3/27/2012	3/27/2012	
	Client Id	SBH-B	SBC-B	SBH-1	SBC-1	SBD-1	SBH-2	SBC-2	SBD-2	SBH-3	SBC-3	SBD-3	
	Matrix	Solid	Solid	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PID Readings	ppm	445	17.8	714	3.5	32.2	1103	20.1	137	736	117	402	
Depth	feet	16-18	20-22	8-10	0-2	12-14	10-12	0-2	14-15	8-10	14-15	10-12	
Volatiles By SW8260													
1,2,4-Trimethylbenzene	ug/Kg	ND	ND	38,000	6.1	ND	2,000	7.5	ND	56,000	1,400	500	3,600
1,3,5-Trimethylbenzene	ug/Kg	ND	ND	16,000	17	ND	710	9	ND	22,000	470	230	8,400
Benzene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60
Ethylbenzene	ug/Kg	ND	ND	9,200	5.6	ND	180	ND	ND	13,000	140	99	1,000
Isopropylbenzene	ug/Kg	ND	ND	2,300	ND	ND	ND	ND	ND	3,000	ND	26	2,300
Methyl t-butyl ether (MTBE)	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	930
Naphthalene	ug/Kg	ND	ND	5,200	ND	ND	780	ND	23	15,000	820	380	12,000
n-Butylbenzene	ug/Kg	560	ND	4,000	ND	ND	160	ND	ND	3,500	150	27	12,000
n-Propylbenzene	ug/Kg	190	ND	9,800	ND	ND	260	ND	ND	11,000	170	85	3,900
p-Isopropyltoluene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.9	10,000
sec-Butylbenzene	ug/Kg	210	ND	1,600	ND	ND	ND	ND	ND	1,600	ND	ND	11,000
tert-Butylbenzene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900
Toluene	ug/Kg	ND	ND	4,100	8.1	ND	ND	6.1	ND	6,200	ND	38	700
Total Xylenes	ug/Kg	ND	ND	42,000	37	ND	1,280	25	ND	74,000	910	660	260
Semivolatiles By SW 8270													
Acenaphthene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000
Acenaphthylene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Benz(a)anthracene	ug/Kg	ND	ND	ND	ND	ND	480	ND	ND	ND	ND	ND	1,000
Benzo(a)pyrene	ug/Kg	ND	ND	ND	ND	ND	420	ND	ND	ND	ND	ND	1,000
Benzo(b)fluoranthene	ug/Kg	ND	ND	ND	ND	ND	710	ND	ND	ND	ND	ND	1,000
Benzo(ghi)perylene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000
Benzo(k)fluoranthene	ug/Kg	ND	ND	ND	ND	ND	270	ND	ND	ND	ND	ND	800
Chrysene	ug/Kg	ND	ND	ND	ND	ND	590	ND	ND	ND	ND	ND	1,000
Dibenz(a,h)anthracene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330
Fluoranthene	ug/Kg	ND	ND	ND	ND	ND	1,600	ND	ND	ND	ND	ND	100,000
Fluorene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000
Indeno(1,2,3-cd)pyrene	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500
Naphthalene	ug/Kg	ND	ND	4,400	ND	ND	1,300	ND	ND	12,000	ND	540	12,000
Phenanthrene	ug/Kg	ND	ND	ND	ND	ND	2,200	ND	ND	ND	ND	ND	100,000
Pyrene	ug/Kg	ND	ND	ND	ND	ND	1,200	ND	ND	ND	ND	ND	100,000

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria
ND - Non Detect

Basement & Sidewalk Groundwater Sample Result Comparison Spreadsheet

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040 (860) 645-1102 Project Id : 1676 THIRD AVE., NYC, NY	Basement		Sidewalk			Groundwater Standards (ug/l or ppb)
	Lab Sample Id	BB71497	BB71379	BB71380	BB71381	
	Collection Date	4/11/2012	4/11/2012	4/11/2012	4/11/2012	
	Client Id	MW-B	MW-1	MW-2	MW-3	
	Matrix	Ground Water	Ground Water	Ground Water	Ground Water	
	Units	Result	Result	Result	Result	
Volatiles By SW8260						
1,2,4-Trimethylbenzene	ug/L	150	1,100	4,200	3,800	5
1,3,5-Trimethylbenzene	ug/L	52	500	1,200	780	5
Benzene	ug/L	ND	1,500	1,500	430	0.7
Ethylbenzene	ug/L	270	720	4,000	2,500	5
Isopropylbenzene	ug/L	40	87	750	160	5
Methyl t-butyl ether (MTBE)	ug/L	ND	ND	ND	ND	10
Naphthalene	ug/L	48	160	510	810	10
n-Butylbenzene	ug/L	35	74	480	ND	5
n-Propylbenzene	ug/L	120	240	480	420	5
p-Isopropyltoluene	ug/L	ND	ND	150	ND	5
sec-Butylbenzene	ug/L	ND	ND	280	ND	5
tert-Butylbenzene	ug/L	ND	ND	ND	ND	5
Toluene	ug/L	47	900	6,500	3,800	5
Total Xylenes	ug/L	320	3,080	19,100	16,800	5
Semivolatiles By SW8270						
Acenaphthene	ug/L	ND	ND	ND	ND	20
Acenaphthylene	ug/L	ND	ND	ND	ND	50
Anthracene	ug/L	ND	ND	ND	ND	50
Benz(a)anthracene	ug/L	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	0.002
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	0.002
Benzo(ghi)perylene	ug/L	ND	ND	ND	ND	5
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	0.002
Chrysene	ug/L	ND	ND	ND	ND	0.002
Dibenz(a,h)anthracene	ug/L	ND	ND	ND	ND	50
Fluoranthene	ug/L	ND	ND	ND	ND	50
Fluorene	ug/L	ND	ND	ND	ND	50
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	ND	0.002
Naphthalene	ug/L	49	160	1,100	1,900	10
Phenanthrene	ug/L	ND	ND	ND	ND	50
Pyrene	ug/L	ND	ND	ND	ND	50

Red Bold # Exceeded NYS DEC Recommended Groundwater Criteria

ND - Non Detect



Thursday, April 19, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE., NYC, NY
Sample ID#s: BB57215 - BB57216

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 19, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOLID
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
03/21/12 13:00
03/22/12 16:24

Laboratory Data

SDG ID: GBB57215
Phoenix ID: BB57215

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: SBH-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	86		%	03/22/12		jl	E160.3
Soil Extraction for SVOA	Completed			03/22/12		BS/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1-Dichloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1-Dichloroethene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,1-Dichloropropene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2-Dichloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,2-Dichloropropane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,3-Dichloropropane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
2,2-Dichloropropane	ND	150	ug/Kg	03/29/12		H/J	SW8260	
2-Chlorotoluene	ND	150	ug/Kg	03/29/12		H/J	SW8260	
2-Hexanone	ND	730	ug/Kg	03/29/12		H/J	SW8260	
2-Isopropyltoluene	ND	150	ug/Kg	03/29/12		H/J	SW8260	1
4-Chlorotoluene	ND	150	ug/Kg	03/29/12		H/J	SW8260	

Client ID: SBH-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	730	ug/Kg	03/29/12		H/J	SW8260
Acetone	ND	730	ug/Kg	03/29/12		H/J	SW8260
Acrylonitrile	ND	290	ug/Kg	03/29/12		H/J	SW8260
Benzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Bromobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Bromochloromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Bromodichloromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Bromoform	ND	150	ug/Kg	03/29/12		H/J	SW8260
Bromomethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Carbon Disulfide	ND	150	ug/Kg	03/29/12		H/J	SW8260
Carbon tetrachloride	ND	150	ug/Kg	03/29/12		H/J	SW8260
Chlorobenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Chloroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Chloroform	ND	150	ug/Kg	03/29/12		H/J	SW8260
Chloromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	150	ug/Kg	03/29/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Dibromochloromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Dibromoethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Dibromomethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Dichlorodifluoromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Ethylbenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Hexachlorobutadiene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Isopropylbenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
m&p-Xylene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Methyl Ethyl Ketone	ND	730	ug/Kg	03/29/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	290	ug/Kg	03/29/12		H/J	SW8260
Methylene chloride	ND	150	ug/Kg	03/29/12		H/J	SW8260
Naphthalene	ND	150	ug/Kg	03/29/12		H/J	SW8260
n-Butylbenzene	560	150	ug/Kg	03/29/12		H/J	SW8260
n-Propylbenzene	190	150	ug/Kg	03/29/12		H/J	SW8260
o-Xylene	ND	150	ug/Kg	03/29/12		H/J	SW8260
p-Isopropyltoluene	ND	150	ug/Kg	03/29/12		H/J	SW8260
sec-Butylbenzene	210	150	ug/Kg	03/29/12		H/J	SW8260
Styrene	ND	150	ug/Kg	03/29/12		H/J	SW8260
tert-Butylbenzene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Tetrachloroethene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	290	ug/Kg	03/29/12		H/J	SW8260
Toluene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Total Xylenes	ND	150	ug/Kg	03/29/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	150	ug/Kg	03/29/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	150	ug/Kg	03/29/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	290	ug/Kg	03/29/12		H/J	SW8260
Trichloroethene	ND	150	ug/Kg	03/29/12		H/J	SW8260
Trichlorofluoromethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Trichlorotrifluoroethane	ND	150	ug/Kg	03/29/12		H/J	SW8260
Vinyl chloride	ND	150	ug/Kg	03/29/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	03/29/12		H/J	70 - 130 %
% Bromofluorobenzene	105		%	03/29/12		H/J	70 - 130 %

Client ID: SBH-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	99		%	03/29/12		H/J	70 - 130 %
% Toluene-d8	96		%	03/29/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,4-Dinitrophenol	ND	620	ug/Kg	03/23/12		DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	03/23/12		DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	03/23/12		DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	03/23/12		DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	03/23/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	03/23/12		DD	SW 8270
2-Nitroaniline	ND	620	ug/Kg	03/23/12		DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	03/23/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	03/23/12		DD	SW 8270
3-Nitroaniline	ND	620	ug/Kg	03/23/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/23/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	390	ug/Kg	03/23/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	03/23/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	03/23/12		DD	SW 8270
4-Nitroaniline	ND	620	ug/Kg	03/23/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	03/23/12		DD	SW 8270
Acenaphthene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Acetophenone	ND	270	ug/Kg	03/23/12		DD	SW 8270
Aniline	ND	1100	ug/Kg	03/23/12		DD	SW 8270
Anthracene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Azobenzene	ND	390	ug/Kg	03/23/12		DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Benzidine	ND	460	ug/Kg	03/23/12		DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	03/23/12		DD	SW 8270
Benzyl butyl phthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	390	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	03/23/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Carbazole	ND	580	ug/Kg	03/23/12		DD	SW 8270

Client ID: SBH-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	03/23/12		DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	03/23/12		DD	SW 8270
Fluoranthene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Fluorene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	03/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	03/23/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	03/23/12		DD	SW 8270
Pentachloronitrobenzene	ND	390	ug/Kg	03/23/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	03/23/12		DD	SW 8270
Phenanthrene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Phenol	ND	270	ug/Kg	03/23/12		DD	SW 8270
Pyrene	ND	270	ug/Kg	03/23/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	03/23/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	03/23/12		DD	15 - 130 %
% 2-Fluorobiphenyl	66		%	03/23/12		DD	15 - 130 %
% 2-Fluorophenol	72		%	03/23/12		DD	15 - 130 %
% Nitrobenzene-d5	71		%	03/23/12		DD	15 - 130 %
% Phenol-d5	69		%	03/23/12		DD	15 - 130 %
% Terphenyl-d14	73		%	03/23/12		DD	15 - 130 %

Parameter	Result	RL	Units ^	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

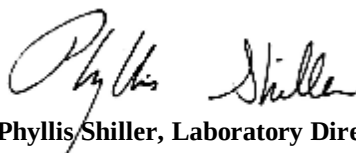
Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 19, 2012

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 19, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOLID
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
03/21/12 13:50
03/22/12 16:24

Laboratory Data

SDG ID: GBB57215
Phoenix ID: BB57216

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: SBC-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	90		%	03/22/12		jl	E160.3
Soil Extraction for SVOA	Completed			03/22/12		BS/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1-Dichloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1-Dichloroethene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,1-Dichloropropene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2-Dichloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,2-Dichloropropane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,3-Dichloropropane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
2,2-Dichloropropane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
2-Chlorotoluene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	
2-Hexanone	ND	28	ug/Kg	03/27/12		R/J	SW8260	
2-Isopropyltoluene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	1
4-Chlorotoluene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260	

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	28	ug/Kg	03/27/12		R/J	SW8260
Acetone	ND	28	ug/Kg	03/27/12		R/J	SW8260
Acrylonitrile	ND	11	ug/Kg	03/27/12		R/J	SW8260
Benzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Bromobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Bromochloromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Bromodichloromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Bromoform	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Bromomethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Carbon Disulfide	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Carbon tetrachloride	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Chlorobenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Chloroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Chloroform	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Chloromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Dibromochloromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Dibromoethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Dibromomethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Ethylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Hexachlorobutadiene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Isopropylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
m&p-Xylene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	03/27/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	03/27/12		R/J	SW8260
Methylene chloride	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Naphthalene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
n-Butylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
n-Propylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
o-Xylene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
p-Isopropyltoluene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
sec-Butylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Styrene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
tert-Butylbenzene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Tetrachloroethene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	03/27/12		R/J	SW8260
Toluene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Total Xylenes	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	03/27/12		R/J	SW8260
Trichloroethene	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Trichlorofluoromethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
Vinyl chloride	ND	5.6	ug/Kg	03/27/12		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	03/27/12		R/J	70 - 130 %
% Bromofluorobenzene	91		%	03/27/12		R/J	70 - 130 %

Client ID: SBC-B

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	117		%	03/27/12		R/J	70 - 130 %
% Toluene-d8	103		%	03/27/12		R/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	03/23/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/23/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/23/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/23/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/23/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/23/12		DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	03/23/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/23/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/23/12		DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	03/23/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/23/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/23/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/23/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/23/12		DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	03/23/12		DD	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	03/23/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	03/23/12		DD	SW 8270
Aniline	ND	1000	ug/Kg	03/23/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Azobenzene	ND	360	ug/Kg	03/23/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Benzidine	ND	430	ug/Kg	03/23/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	03/23/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/23/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/23/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Carbazole	ND	540	ug/Kg	03/23/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	03/23/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	03/23/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	03/23/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	03/23/12		DD	SW 8270
Naphthalene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/23/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/23/12		DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	03/23/12		DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	03/23/12		DD	SW 8270
Phenanthrene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Phenol	ND	250	ug/Kg	03/23/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	03/23/12		DD	SW 8270
Pyridine	ND	360	ug/Kg	03/23/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	76		%	03/23/12		DD	15 - 130 %
% 2-Fluorobiphenyl	69		%	03/23/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	03/23/12		DD	15 - 130 %
% Nitrobenzene-d5	74		%	03/23/12		DD	15 - 130 %
% Phenol-d5	70		%	03/23/12		DD	15 - 130 %
% Terphenyl-d14	74		%	03/23/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

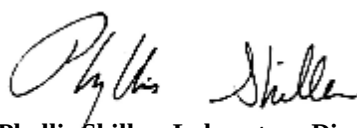
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 19, 2012

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

April 19, 2012

QA/QC Data

SDG I.D.: GBB57215

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 196638, QC Sample No: BB56232 (BB57215, BB57216)										
Semivolatiles - Solid										
1,2,4,5-Tetrachlorobenzene	ND	49	46	6.3	50	53	5.8	30 - 130	30	
1,2,4-Trichlorobenzene	ND	63	61	3.2	64	69	7.5	30 - 130	30	
1,2-Dichlorobenzene	ND	71	69	2.9	73	79	7.9	30 - 130	30	
1,3-Dichlorobenzene	ND	68	66	3.0	69	77	11.0	30 - 130	30	
1,4-Dichlorobenzene	ND	68	67	1.5	69	77	11.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	70	66	5.9	66	69	4.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	71	66	7.3	63	68	7.6	30 - 130	30	
2,4-Dichlorophenol	ND	74	70	5.6	74	76	2.7	30 - 130	30	
2,4-Dimethylphenol	ND	40	38	5.1	41	43	4.8	30 - 130	30	
2,4-Dinitrophenol	ND	19	35	59.3	19	26	31.1	30 - 130	30	I,m,r
2,4-Dinitrotoluene	ND	94	91	3.2	95	99	4.1	30 - 130	30	
2,6-Dinitrotoluene	ND	92	88	4.4	91	97	6.4	30 - 130	30	
2-Chloronaphthalene	ND	68	66	3.0	70	75	6.9	30 - 130	30	
2-Chlorophenol	ND	75	72	4.1	77	82	6.3	30 - 130	30	
2-Methylnaphthalene	ND	79	76	3.9	82	86	4.8	30 - 130	30	
2-Methylphenol (o-cresol)	ND	76	77	1.3	76	80	5.1	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>130	>130	NC	30 - 130	30	I,m
2-Nitrophenol	ND	83	84	1.2	85	94	10.1	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	85	81	4.8	87	91	4.5	30 - 130	30	
3,3'-Dichlorobenzidine	ND	104	95	9.0	106	101	4.8	30 - 130	30	
3-Nitroaniline	ND	>150	>150	NC	>130	>130	NC	30 - 130	30	I,m
4,6-Dinitro-2-methylphenol	ND	76	86	12.3	101	91	10.4	30 - 130	30	
4-Bromophenyl phenyl ether	ND	86	82	4.8	88	91	3.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	79	74	6.5	79	82	3.7	30 - 130	30	
4-Chloroaniline	ND	53	54	1.9	58	63	8.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	73	70	4.2	73	77	5.3	30 - 130	30	
4-Nitroaniline	ND	84	79	6.1	85	89	4.6	30 - 130	30	
4-Nitrophenol	ND	88	89	1.1	92	92	0.0	30 - 130	30	
Acenaphthene	ND	80	77	3.8	81	86	6.0	30 - 130	30	
Acenaphthylene	ND	80	76	5.1	80	85	6.1	30 - 130	30	
Acetophenone	ND	56	54	3.6	58	62	6.7	30 - 130	30	
Aniline	ND	64	64	0.0	66	72	8.7	30 - 130	30	
Anthracene	ND	85	80	6.1	86	88	2.3	30 - 130	30	
Azobenzene	ND	53	51	3.8	55	56	1.8	30 - 130	30	
Benz(a)anthracene	ND	85	82	3.6	86	89	3.4	30 - 130	30	
Benzidine	ND	104	124	17.5	105	139	27.9	30 - 130	30	m
Benzo(a)pyrene	ND	87	82	5.9	87	89	2.3	30 - 130	30	
Benzo(b)fluoranthene	ND	99	93	6.3	98	102	4.0	30 - 130	30	
Benzo(ghi)perylene	ND	86	79	8.5	88	89	1.1	30 - 130	30	
Benzo(k)fluoranthene	ND	97	94	3.1	101	101	0.0	30 - 130	30	
Benzyl butyl phthalate	ND	95	92	3.2	101	102	1.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBB57215

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-chloroethoxy)methane	ND	68	66	3.0	70	75	6.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	65	64	1.6	67	72	7.2	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	76	75	1.3	79	86	8.5	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	86	83	3.6	89	90	1.1	30 - 130	30	
Carbazole	ND	125	119	4.9	126	137	8.4	30 - 130	30	m
Chrysene	ND	88	84	4.7	89	90	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	91	83	9.2	92	94	2.2	30 - 130	30	
Dibenzofuran	ND	80	76	5.1	80	84	4.9	30 - 130	30	
Diethyl phthalate	ND	80	76	5.1	80	84	4.9	30 - 130	30	
Dimethylphthalate	ND	81	78	3.8	80	86	7.2	30 - 130	30	
Di-n-butylphthalate	ND	96	91	5.3	101	103	2.0	30 - 130	30	
Di-n-octylphthalate	ND	93	88	5.5	93	93	0.0	30 - 130	30	
Fluoranthene	ND	97	99	2.0	105	107	1.9	30 - 130	30	
Fluorene	ND	74	71	4.1	74	79	6.5	30 - 130	30	
Hexachlorobenzene	ND	76	73	4.0	77	82	6.3	30 - 130	30	
Hexachlorobutadiene	ND	63	62	1.6	66	70	5.9	30 - 130	30	
Hexachlorocyclopentadiene	ND	39	36	8.0	41	43	4.8	30 - 130	30	
Hexachloroethane	ND	68	68	0.0	69	77	11.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	90	82	9.3	91	93	2.2	30 - 130	30	
Isophorone	ND	68	66	3.0	70	76	8.2	30 - 130	30	
Naphthalene	ND	76	74	2.7	78	83	6.2	30 - 130	30	
Nitrobenzene	ND	84	82	2.4	88	93	5.5	30 - 130	30	
N-Nitrosodimethylamine	ND	72	71	1.4	74	85	13.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	87	85	2.3	92	99	7.3	30 - 130	30	
N-Nitrosodiphenylamine	ND	86	80	7.2	85	88	3.5	30 - 130	30	
Pentachloronitrobenzene	ND	107	105	1.9	109	112	2.7	30 - 130	30	
Pentachlorophenol	ND	39	41	5.0	54	46	16.0	30 - 130	30	
Phenanthrene	ND	87	83	4.7	89	92	3.3	30 - 130	30	
Phenol	ND	93	90	3.3	95	102	7.1	30 - 130	30	
Pyrene	ND	104	102	1.9	113	117	3.5	30 - 130	30	
Pyridine	ND	39	41	5.0	40	47	16.1	30 - 130	30	
% 2,4,6-Tribromophenol	72	83	80	3.7	82	83	1.2	15 - 130	30	
% 2-Fluorobiphenyl	60	64	61	4.8	65	70	7.4	30 - 130	30	
% 2-Fluorophenol	76	77	74	4.0	80	86	7.2	15 - 130	30	
% Nitrobenzene-d5	80	80	78	2.5	84	90	6.9	30 - 130	30	
% Phenol-d5	83	86	83	3.6	89	94	5.5	15 - 130	30	
% Terphenyl-d14	85	102	99	3.0	135	138	2.2	30 - 130	30	m

QA/QC Batch 197462, QC Sample No: BB57107 (BB57215)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	125	126	0.8	112	116	3.5	70 - 130	30	
1,1,1-Trichloroethane	ND	129	113	13.2	106	87	19.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	115	121	5.1	112	118	5.2	70 - 130	30	
1,1,2-Trichloroethane	ND	112	118	5.2	102	100	2.0	70 - 130	30	
1,1-Dichloroethane	ND	132	110	18.2	111	88	23.1	70 - 130	30	l
1,1-Dichloroethene	ND	119	115	3.4	88	94	6.6	70 - 130	30	
1,1-Dichloropropene	ND	117	113	3.5	116	87	28.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	110	124	12.0	100	116	14.8	70 - 130	30	
1,2,3-Trichloropropane	ND	126	134	6.2	105	107	1.9	70 - 130	30	l
1,2,4-Trichlorobenzene	ND	102	109	6.6	104	116	10.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	123	125	1.6	112	115	2.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	116	128	9.8	85	97	13.2	70 - 130	30	
1,2-Dichlorobenzene	ND	113	113	0.0	105	106	0.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBB57215

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloroethane	ND	111	116	4.4	100	101	1.0	70 - 130	30	
1,2-Dichloropropane	ND	113	115	1.8	105	103	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	128	130	1.6	115	117	1.7	70 - 130	30	
1,3-Dichlorobenzene	ND	113	111	1.8	110	109	0.9	70 - 130	30	
1,3-Dichloropropane	ND	114	117	2.6	103	106	2.9	70 - 130	30	
1,4-Dichlorobenzene	ND	111	110	0.9	109	109	0.0	70 - 130	30	
2,2-Dichloropropane	ND	118	101	15.5	99	84	16.4	70 - 130	30	
2-Chlorotoluene	ND	118	117	0.9	108	107	0.9	70 - 130	30	
2-Hexanone	ND	82	97	16.8	63	54	15.4	70 - 130	30	m
2-Isopropyltoluene	ND	126	121	4.0	112	113	0.9	70 - 130	30	
4-Chlorotoluene	ND	122	118	3.3	118	115	2.6	70 - 130	30	
4-Methyl-2-pentanone	ND	94	110	15.7	83	87	4.7	70 - 130	30	
Acetone	ND	94	113	18.4	50	49	2.0	70 - 130	30	m
Acrylonitrile	ND	121	110	9.5	107	90	17.3	70 - 130	30	
Benzene	ND	115	113	1.8	106	105	0.9	70 - 130	30	
Bromobenzene	ND	120	118	1.7	108	105	2.8	70 - 130	30	
Bromochloromethane	ND	133	110	18.9	114	92	21.4	70 - 130	30	l
Bromodichloromethane	ND	115	115	0.0	102	99	3.0	70 - 130	30	
Bromoform	ND	104	107	2.8	90	91	1.1	70 - 130	30	
Bromomethane	ND	123	111	10.3	70	58	18.8	70 - 130	30	m
Carbon Disulfide	ND	110	107	2.8	82	88	7.1	70 - 130	30	
Carbon tetrachloride	ND	115	98	16.0	103	83	21.5	70 - 130	30	
Chlorobenzene	ND	110	110	0.0	112	111	0.9	70 - 130	30	
Chloroethane	ND	132	124	6.3	43	<40	NC	70 - 130	30	l,m
Chloroform	ND	128	112	13.3	108	90	18.2	70 - 130	30	
Chloromethane	ND	127	126	0.8	91	94	3.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	135	107	23.1	115	91	23.3	70 - 130	30	l
cis-1,3-Dichloropropene	ND	109	113	3.6	102	99	3.0	70 - 130	30	
Dibromochloromethane	ND	112	115	2.6	101	102	1.0	70 - 130	30	
Dibromoethane	ND	112	116	3.5	104	102	1.9	70 - 130	30	
Dibromomethane	ND	112	119	6.1	102	100	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	143	122	15.8	92	65	34.4	70 - 130	30	l,m,r
Ethylbenzene	ND	113	111	1.8	111	107	3.7	70 - 130	30	
Hexachlorobutadiene	ND	110	111	0.9	108	116	7.1	70 - 130	30	
Isopropylbenzene	ND	133	127	4.6	120	116	3.4	70 - 130	30	l
m&p-Xylene	ND	114	111	2.7	112	112	0.0	70 - 130	30	
Methyl ethyl ketone	ND	99	106	6.8	69	48	35.9	70 - 130	30	m,r
Methyl t-butyl ether (MTBE)	ND	101	105	3.9	94	95	1.1	70 - 130	30	
Methylene chloride	ND	116	116	0.0	146	146	0.0	70 - 130	30	m
Naphthalene	ND	115	132	13.8	96	111	14.5	70 - 130	30	l
n-Butylbenzene	ND	116	113	2.6	112	111	0.9	70 - 130	30	
n-Propylbenzene	ND	117	114	2.6	116	111	4.4	70 - 130	30	
o-Xylene	ND	121	118	2.5	119	117	1.7	70 - 130	30	
p-Isopropyltoluene	ND	125	121	3.3	112	111	0.9	70 - 130	30	
sec-Butylbenzene	ND	129	123	4.8	117	114	2.6	70 - 130	30	
Styrene	ND	98	96	2.1	100	96	4.1	70 - 130	30	
tert-Butylbenzene	ND	123	118	4.1	111	109	1.8	70 - 130	30	
Tetrachloroethene	ND	105	109	3.7	111	109	1.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	121	107	12.3	100	85	16.2	70 - 130	30	
Toluene	ND	113	112	0.9	107	103	3.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	118	117	0.9	99	97	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	114	5.4	99	97	2.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	125	134	6.9	108	111	2.7	70 - 130	30	l

QA/QC Data

SDG I.D.: GBB57215

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichloroethene	ND	117	121	3.4	105	104	1.0	70 - 130	30
Trichlorofluoromethane	ND	143	135	5.8	48	<40	NC	70 - 130	30
Trichlorotrifluoroethane	ND	117	116	0.9	92	96	4.3	70 - 130	30
Vinyl chloride	ND	132	120	9.5	104	102	1.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	104	105	1.0	98	101	3.0	70 - 130	30
% Bromofluorobenzene	96	98	97	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	91	114	96	17.1	103	85	19.1	70 - 130	30
% Toluene-d8	95	100	99	1.0	99	97	2.0	70 - 130	30

QA/QC Batch 197117, QC Sample No: BB57242 (BB57216)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	118	121	2.5	86	87	1.2	70 - 130	30
1,1,1-Trichloroethane	ND	118	124	5.0	120	119	0.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	96	97	1.0	100	92	8.3	70 - 130	30
1,1,2-Trichloroethane	ND	112	112	0.0	98	95	3.1	70 - 130	30
1,1-Dichloroethane	ND	118	121	2.5	117	115	1.7	70 - 130	30
1,1-Dichloroethene	ND	100	92	8.3	97	112	14.4	70 - 130	30
1,1-Dichloropropene	ND	104	107	2.8	102	99	3.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	74	83	11.5	48	<40	NC	70 - 130	30
1,2,3-Trichloropropane	ND	93	96	3.2	92	85	7.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	65	71	8.8	43	<40	NC	70 - 130	30
1,2,4-Trimethylbenzene	ND	77	81	5.1	60	60	0.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	91	100	9.4	66	62	6.3	70 - 130	30
1,2-Dichlorobenzene	ND	88	94	6.6	67	56	17.9	70 - 130	30
1,2-Dichloroethane	ND	113	113	0.0	100	97	3.0	70 - 130	30
1,2-Dichloropropane	ND	111	113	1.8	102	98	4.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	86	92	6.7	84	72	15.4	70 - 130	30
1,3-Dichlorobenzene	ND	91	84	8.0	64	56	13.3	70 - 130	30
1,3-Dichloropropane	ND	104	105	1.0	85	83	2.4	70 - 130	30
1,4-Dichlorobenzene	ND	81	83	2.4	60	52	14.3	70 - 130	30
2,2-Dichloropropane	ND	108	113	4.5	105	103	1.9	70 - 130	30
2-Chlorotoluene	ND	95	102	7.1	71	61	15.2	70 - 130	30
2-Hexanone	ND	98	89	9.6	46	43	6.7	70 - 130	30
2-Isopropyltoluene	ND	73	77	5.3	71	72	1.4	70 - 130	30
4-Chlorotoluene	ND	74	77	4.0	63	58	8.3	70 - 130	30
4-Methyl-2-pentanone	ND	120	113	6.0	100	96	4.1	70 - 130	30
Acetone	ND	120	95	23.3	42	47	11.2	70 - 130	30
Acrylonitrile	ND	135	132	2.2	124	121	2.4	70 - 130	30
Benzene	ND	105	108	2.8	100	97	3.0	70 - 130	30
Bromobenzene	ND	104	108	3.8	51	50	2.0	70 - 130	30
Bromochloromethane	ND	129	127	1.6	117	119	1.7	70 - 130	30
Bromodichloromethane	ND	113	113	0.0	100	98	2.0	70 - 130	30
Bromoform	ND	98	96	2.1	82	83	1.2	70 - 130	30
Bromomethane	ND	123	105	15.8	108	117	8.0	70 - 130	30
Carbon Disulfide	ND	>150	>150	NC	88	107	19.5	70 - 130	30
Carbon tetrachloride	ND	108	111	2.7	101	105	3.9	70 - 130	30
Chlorobenzene	ND	92	93	1.1	72	71	1.4	70 - 130	30
Chloroethane	ND	104	95	9.0	95	106	10.9	70 - 130	30
Chloroform	ND	120	122	1.7	114	112	1.8	70 - 130	30
Chloromethane	ND	101	96	5.1	98	105	6.9	70 - 130	30
cis-1,2-Dichloroethene	ND	118	127	7.3	112	115	2.6	70 - 130	30
cis-1,3-Dichloropropene	ND	106	108	1.9	90	86	4.5	70 - 130	30
Dibromochloromethane	ND	109	109	0.0	86	86	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBB57215

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromoethane	ND	118	119	0.8	96	96	0.0	70 - 130	30	
Dibromomethane	ND	114	115	0.9	101	97	4.0	70 - 130	30	
Dichlorodifluoromethane	ND	103	107	3.8	115	116	0.9	70 - 130	30	
Ethylbenzene	ND	106	109	2.8	75	77	2.6	70 - 130	30	
Hexachlorobutadiene	ND	68	78	13.7	64	47	30.6	70 - 130	30	I,m,r
Isopropylbenzene	ND	67	72	7.2	87	75	14.8	70 - 130	30	I
m&p-Xylene	ND	98	102	4.0	84	84	0.0	70 - 130	30	
Methyl ethyl ketone	ND	129	112	14.1	67	62	7.8	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	134	117	13.5	88	110	22.2	70 - 130	30	I
Methylene chloride	ND	110	95	14.6	91	107	16.2	70 - 130	30	
Naphthalene	ND	89	103	14.6	59	43	31.4	70 - 130	30	m,r
n-Butylbenzene	ND	75	77	2.6	68	62	9.2	70 - 130	30	m
n-Propylbenzene	ND	85	92	7.9	72	65	10.2	70 - 130	30	m
o-Xylene	ND	107	112	4.6	99	92	7.3	70 - 130	30	
p-Isopropyltoluene	ND	101	89	12.6	79	69	13.5	70 - 130	30	m
sec-Butylbenzene	ND	77	82	6.3	84	77	8.7	70 - 130	30	
Styrene	ND	74	76	2.7	65	70	7.4	70 - 130	30	m
tert-Butylbenzene	ND	89	97	8.6	91	79	14.1	70 - 130	30	
Tetrachloroethene	ND	90	93	3.3	84	79	6.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	133	127	4.6	128	124	3.2	70 - 130	30	I
Toluene	ND	103	106	2.9	92	91	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	109	96	12.7	92	109	16.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	107	0.9	82	77	6.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	84	87	3.5	60	56	6.9	70 - 130	30	m
Trichloroethene	ND	114	119	4.3	96	92	4.3	70 - 130	30	
Trichlorofluoromethane	ND	120	113	6.0	99	110	10.5	70 - 130	30	
Trichlorotrifluoroethane	ND	102	97	5.0	103	112	8.4	70 - 130	30	
Vinyl chloride	ND	106	93	13.1	94	110	15.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	105	110	4.7	101	92	9.3	70 - 130	30	
% Bromofluorobenzene	93	122	123	0.8	100	102	2.0	70 - 130	30	
% Dibromofluoromethane	112	114	116	1.7	118	119	0.8	70 - 130	30	
% Toluene-d8	103	101	101	0.0	102	102	0.0	70 - 130	30	

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director

April 19, 2012

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB57215

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB57215	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	200	10	ug/Kg
BB57215	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	1900	10	ug/Kg
BB57215	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	400	5	ug/Kg
BB57215	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	6000	5	ug/Kg
BB57215	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	730	200	10	ug/Kg
BB57215	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	2700	5	ug/Kg
BB57215	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	100	5	ug/Kg
BB57215	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	300	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	200	5	ug/Kg
BB57215	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	730	300	10	ug/Kg
BB57215	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	300	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	800	5	ug/Kg
BB57215	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	600	5	ug/Kg
BB57215	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	60	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	100	5	ug/Kg
BB57215	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	700	5	ug/Kg
BB57215	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	730	1000	10	ug/Kg
BB57215	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	1500	5	ug/Kg
BB57215	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	1400	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	300	5	ug/Kg
BB57215	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150		5	ug/Kg
BB57215	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	1700	5	ug/Kg
BB57215	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	5500	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	600	5	ug/Kg
BB57215	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	150	400	5	ug/Kg
BB57215	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	30	330	ug/Kg
BB57215	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	330	ug/Kg
BB57215	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB57215	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	200	330	ug/Kg
BB57215	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	220	330	ug/Kg
BB57215	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	240	330	ug/Kg
BB57215	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	100	330	ug/Kg
BB57215	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	500	1600	ug/Kg
BB57215	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	200	1600	ug/Kg
BB57215	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB57215	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	620	430	1600	ug/Kg
BB57215	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	61	330	ug/Kg
BB57215	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	224	330	ug/Kg
BB57215	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	270	14	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB57215

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB57216	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	400	5	ug/Kg
BB57216	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	6000	5	ug/Kg
BB57216	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	28	200	10	ug/Kg
BB57216	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	2700	5	ug/Kg
BB57216	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	100	5	ug/Kg
BB57216	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	300	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	200	5	ug/Kg
BB57216	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	28	300	10	ug/Kg
BB57216	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	300	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	800	5	ug/Kg
BB57216	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	600	5	ug/Kg
BB57216	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	60	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	100	5	ug/Kg
BB57216	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	700	5	ug/Kg
BB57216	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	28	1000	10	ug/Kg
BB57216	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	1500	5	ug/Kg
BB57216	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	1400	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	300	5	ug/Kg
BB57216	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6		5	ug/Kg
BB57216	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	1700	5	ug/Kg
BB57216	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	5500	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	600	5	ug/Kg
BB57216	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.6	400	5	ug/Kg
BB57216	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB57216	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	330	ug/Kg
BB57216	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB57216	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB57216	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB57216	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB57216	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB57216	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	500	1600	ug/Kg
BB57216	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	200	1600	ug/Kg
BB57216	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB57216	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	430	1600	ug/Kg
BB57216	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg
BB57216	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB57216	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB57215

SampNo	LocCode	Acode	Phoenix Analyte	Criteria			Criteria Name	Result	RL	Factored	Factored	Analysis
				Units	ST	State Category				Criteria	RL	

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Tuesday, April 10, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK
Sample ID#s: BB59659 - BB59667

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 10:35
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59659

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBH-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	89		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	38000	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	16000	1400	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	7000	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	1400	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBH-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	7000	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	7000	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	2800	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	9200	1400	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	2300	1400	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	31000	1400	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	7000	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2800	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	5200	1400	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	4000	1400	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	9800	1400	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	11000	1400	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	1600	1400	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2800	ug/Kg	04/04/12		H/J	SW8260
Toluene	4100	1400	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	42000	1400	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2800	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1400	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	1400	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	101		%	04/04/12		H/J	70 - 130 %

Client ID: SBH-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	103		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	96		%	04/04/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	600	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	7000	260	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	600	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	600	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	600	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	260	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	370	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	370	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	450	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	560	ug/Kg	03/30/12		DD	SW 8270

Client ID: SBH-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	260	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	4400	260	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	260	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	260	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	370	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	89		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	75		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	03/30/12		DD	15 - 130 %
% Phenol-d5	75		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	105		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

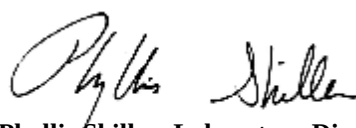
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 10:15
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59660

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBC-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	96		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,4-Trimethylbenzene	6.1	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3,5-Trimethylbenzene	17	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2-Hexanone	ND	26	ug/Kg	04/04/12		R/J	SW8260	
2-Isopropyltoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	1
4-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	

Client ID: SBC-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Acetone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Acrylonitrile	ND	10	ug/Kg	04/04/12		R/J	SW8260
Benzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromochloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromoform	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloroform	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dibromochloromethane	ND	5.0	ug/Kg	04/04/12		R/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Ethylbenzene	5.6	5.2	ug/Kg	04/04/12		R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
m&p-Xylene	20	5.2	ug/Kg	04/04/12		R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	04/04/12		R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
o-Xylene	17	5.2	ug/Kg	04/04/12		R/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Styrene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	04/04/12		R/J	SW8260
Toluene	8.1	5.2	ug/Kg	04/04/12		R/J	SW8260
Total Xylenes	37	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	04/04/12		R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	04/04/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	04/04/12		R/J	70 - 130 %

Client ID: SBC-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	93		%	04/04/12		R/J	70 - 130 %
% Toluene-d8	101		%	04/04/12		R/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	540	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	540	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	540	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	980	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	540	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	980	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	340	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	410	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	980	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	510	ug/Kg	03/30/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	340	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	99		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	85		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	86		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	93		%	03/30/12		DD	15 - 130 %
% Phenol-d5	85		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	104		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

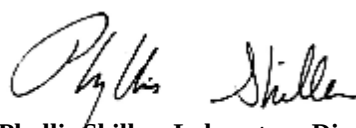
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 10:45
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59661

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBD-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	96		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	26	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBD-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	26	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	26	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	10	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	04/04/12		H/J	SW8260
Toluene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	93		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	98		%	04/04/12		H/J	70 - 130 %

Client ID: SBD-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	90		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	96		%	04/04/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	340	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	410	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	520	ug/Kg	03/30/12		DD	SW 8270

Client ID: SBD-1

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	340	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	102		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	82		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	84		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	90		%	03/30/12		DD	15 - 130 %
% Phenol-d5	84		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	103		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

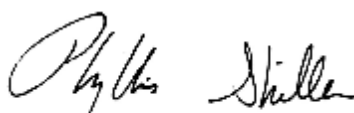
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 13:30
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59662

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBH-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	95		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	2000	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	710	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	660	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	260	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	180	130	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	840	130	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	260	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	780	130	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	160	130	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	260	130	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	440	130	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	130	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	260	ug/Kg	04/04/12		H/J	SW8260
Toluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	1280	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	260	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	98		%	04/04/12		H/J	70 - 130 %

Client ID: SBH-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	102		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	97		%	04/04/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	1700	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	990	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	990	ug/Kg	03/30/12		DD	SW 8270 LO
Anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270 1
Benz(a)anthracene	480	240	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	410	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	420	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	710	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	270	240	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	990	ug/Kg	03/30/12		DD	SW 8270 LO
Benzyl butyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	510	ug/Kg	03/30/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	590	240	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	1600	240	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	1300	240	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	2200	240	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyrene	1200	240	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	340	ug/Kg	03/30/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	50		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	81		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	88		%	03/30/12		DD	15 - 130 %
% Phenol-d5	83		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	100		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

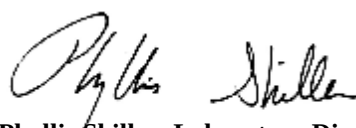
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 13:00
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59663

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBC-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	97		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,1-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2,4-Trimethylbenzene	7.5	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3,5-Trimethylbenzene	9.0	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,3-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2,2-Dichloropropane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	
2-Hexanone	ND	26	ug/Kg	04/04/12		R/J	SW8260	
2-Isopropyltoluene	9.3	5.2	ug/Kg	04/04/12		R/J	SW8260	1
4-Chlorotoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260	

Client ID: SBC-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Acetone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Acrylonitrile	ND	10	ug/Kg	04/04/12		R/J	SW8260
Benzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromochloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromoform	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloroform	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dibromochloromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
m&p-Xylene	15	5.2	ug/Kg	04/04/12		R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	04/04/12		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	04/04/12		R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
o-Xylene	10	5.2	ug/Kg	04/04/12		R/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Styrene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	04/04/12		R/J	SW8260
Toluene	6.1	5.2	ug/Kg	04/04/12		R/J	SW8260
Total Xylenes	25	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	04/04/12		R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	04/04/12		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	04/04/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	04/04/12		R/J	70 - 130 %

Client ID: SBC-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	99		%	04/04/12		R/J	70 - 130 %
% Toluene-d8	99		%	04/04/12		R/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	550	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	990	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	340	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	410	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	990	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	510	ug/Kg	03/30/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	240	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	340	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	97		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	82		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	84		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	92		%	03/30/12		DD	15 - 130 %
% Phenol-d5	84		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	101		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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1O = This parameter is not certified by NY NELAC for this matrix.

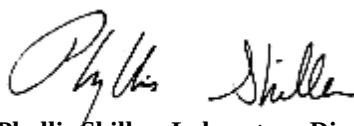
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date
03/26/12 13:40
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59664

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBD-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	94		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	27	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBD-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	23	5.3	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Toluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	99		%	04/04/12		H/J	70 - 130 %

Client ID: SBD-2

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	107		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	99		%	04/04/12		H/J	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	560	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	560	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	560	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	560	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	350	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	350	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	420	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	1000	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	530	ug/Kg	03/30/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	350	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	350	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	87		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	78		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	81		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	83		%	03/30/12		DD	15 - 130 %
% Phenol-d5	80		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	97		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

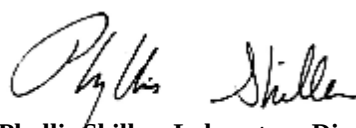
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 12:40
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59665

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	90		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,4-Trimethylbenzene	56000	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3,5-Trimethylbenzene	22000	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2,2-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2-Chlorotoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2-Hexanone	ND	6900	ug/Kg	04/03/12		H/J	SW8260	
2-Isopropyltoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	1
4-Chlorotoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Acetone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Acrylonitrile	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Benzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromochloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromodichloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromoform	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromomethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Carbon Disulfide	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Carbon tetrachloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloroform	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromochloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromoethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromomethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dichlorodifluoromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Ethylbenzene	13000	1400	ug/Kg	04/03/12		H/J	SW8260
Hexachlorobutadiene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Isopropylbenzene	3000	1400	ug/Kg	04/03/12		H/J	SW8260
m&p-Xylene	48000	1400	ug/Kg	04/03/12		H/J	SW8260
Methyl Ethyl Ketone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Methylene chloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Naphthalene	15000	1400	ug/Kg	04/03/12		H/J	SW8260
n-Butylbenzene	3500	1400	ug/Kg	04/03/12		H/J	SW8260
n-Propylbenzene	11000	1400	ug/Kg	04/03/12		H/J	SW8260
o-Xylene	26000	1400	ug/Kg	04/03/12		H/J	SW8260
p-Isopropyltoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
sec-Butylbenzene	1600	1400	ug/Kg	04/03/12		H/J	SW8260
Styrene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
tert-Butylbenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Tetrachloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Toluene	6200	1400	ug/Kg	04/03/12		H/J	SW8260
Total Xylenes	74000	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Trichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Trichlorofluoromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Vinyl chloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	04/03/12		H/J	70 - 130 %
% Bromofluorobenzene	99		%	04/03/12		H/J	70 - 130 %

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	105		%	04/03/12		H/J	70 - 130 %
% Toluene-d8	95		%	04/03/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	360	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	360	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	440	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	540	ug/Kg	03/30/12		DD	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	12000	250	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	360	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	87		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	77		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	87		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	93		%	03/30/12		DD	15 - 130 %
% Phenol-d5	80		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	96		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

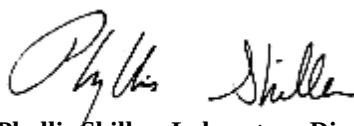
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 12:55
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59666

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	94		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			04/02/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	1400	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	470	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	660	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	270	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	140	130	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	620	130	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	270	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	820	130	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	150	130	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	170	130	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	290	130	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	130	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	270	ug/Kg	04/04/12		H/J	SW8260
Toluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	910	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	270	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	93		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	100		%	04/04/12		H/J	70 - 130 %

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	102		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	100		%	04/04/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dinitrophenol	ND	560	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Chlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Methylnaphthalene	420	240	ug/Kg	04/03/12		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
2-Nitrophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	04/03/12		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	04/03/12		KCA	SW 8270
3-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	04/03/12		KCA	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Chloroaniline	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Acenaphthylene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Acetophenone	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Aniline	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Azobenzene	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzidine	ND	420	ug/Kg	04/03/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Carbazole	ND	520	ug/Kg	04/03/12		KCA	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dibenzofuran	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Diethyl phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dimethylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachloroethane	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Isophorone	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Nitrobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Phenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Pyridine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	<5		%	04/03/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	71		%	04/03/12		KCA	15 - 130 %
% 2-Fluorophenol	22		%	04/03/12		KCA	15 - 130 %
% Nitrobenzene-d5	74		%	04/03/12		KCA	15 - 130 %
% Phenol-d5	60		%	04/03/12		KCA	15 - 130 %
% Terphenyl-d14	120		%	04/03/12		KCA	15 - 130 %

3

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

3 = This parameter exceeds laboratory specified limits.

Comments:

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

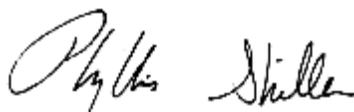
*For semivolatiles, poor surrogate recovery was observed. Sample was re-extracted with similar results. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 10, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/26/12 12:45
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59667

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	94		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	500	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	230	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	27	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	11	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	99	5.3	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	26	5.3	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	410	5.3	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	380	130	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	27	5.3	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	85	5.3	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	250	5.3	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	9.9	5.3	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Toluene	38	5.3	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	660	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	96		%	04/04/12		H/J	70 - 130 %

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
% Dibromofluoromethane	51		%	04/04/12		H/J	70 - 130 %	3
% Toluene-d8	100		%	04/04/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dimethylphenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dinitrophenol	ND	560	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Chloronaphthalene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Chlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Methylnaphthalene	760	240	ug/Kg	03/31/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
2-Nitrophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	03/31/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/31/12		DD	SW 8270	
3-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/31/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	350	ug/Kg	03/31/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Chloroaniline	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	03/31/12		DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Acetophenone	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Aniline	ND	350	ug/Kg	03/31/12		DD	SW 8270	LO
Anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Azobenzene	ND	350	ug/Kg	03/31/12		DD	SW 8270	1
Benz(a)anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzidine	ND	420	ug/Kg	03/31/12		DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	03/31/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Carbazole	ND	520	ug/Kg	03/31/12		DD	SW 8270	

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/31/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/31/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/31/12		DD	SW 8270
Naphthalene	540	240	ug/Kg	03/31/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	03/31/12		DD	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	03/31/12		DD	SW 8270
Pentachlorophenol	ND	350	ug/Kg	03/31/12		DD	SW 8270
Phenanthrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/31/12		DD	SW 8270
Pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Pyridine	ND	350	ug/Kg	03/31/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	7.2		%	03/31/12		DD	15 - 130 %
% 2-Fluorobiphenyl	79		%	03/31/12		DD	15 - 130 %
% 2-Fluorophenol	33		%	03/31/12		DD	15 - 130 %
% Nitrobenzene-d5	82		%	03/31/12		DD	15 - 130 %
% Phenol-d5	63		%	03/31/12		DD	15 - 130 %
% Terphenyl-d14	77		%	03/31/12		DD	15 - 130 %

3

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

3 = This parameter exceeds laboratory specified limits.

Comments:

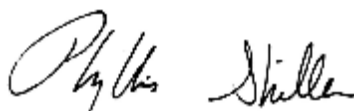
* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

April 10, 2012

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197574, QC Sample No: BB58840 (BB59665)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	118	122	3.3	112	123	9.4	70 - 130	30
1,1,1-Trichloroethane	ND	100	117	15.7	107	96	10.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	118	112	5.2	105	124	16.6	70 - 130	30
1,1,2-Trichloroethane	ND	106	108	1.9	99	108	8.7	70 - 130	30
1,1-Dichloroethane	ND	97	122	22.8	118	101	15.5	70 - 130	30
1,1-Dichloroethene	ND	100	106	5.8	100	101	1.0	70 - 130	30
1,1-Dichloropropene	ND	88	110	22.2	97	81	18.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	120	107	11.5	83	105	23.4	70 - 130	30
1,2,3-Trichloropropane	ND	119	108	9.7	108	126	15.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	110	101	8.5	77	89	14.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	115	114	0.9	106	114	7.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	106	99	6.8	91	119	26.7	70 - 130	30
1,2-Dichlorobenzene	ND	106	105	0.9	101	109	7.6	70 - 130	30
1,2-Dichloroethane	ND	106	104	1.9	103	107	3.8	70 - 130	30
1,2-Dichloropropane	ND	104	108	3.8	102	106	3.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	118	116	1.7	108	114	5.4	70 - 130	30
1,3-Dichlorobenzene	ND	108	108	0.0	97	104	7.0	70 - 130	30
1,3-Dichloropropane	ND	106	109	2.8	103	110	6.6	70 - 130	30
1,4-Dichlorobenzene	ND	105	106	0.9	94	101	7.2	70 - 130	30
2,2-Dichloropropane	ND	95	112	16.4	86	81	6.0	70 - 130	30
2-Chlorotoluene	ND	108	108	0.0	105	106	0.9	70 - 130	30
2-Hexanone	ND	73	75	2.7	50	58	14.8	70 - 130	30 m
2-Isopropyltoluene	ND	110	112	1.8	109	114	4.5	70 - 130	30
4-Chlorotoluene	ND	110	111	0.9	106	111	4.6	70 - 130	30
4-Methyl-2-pentanone	ND	94	87	7.7	78	96	20.7	70 - 130	30
Acetone	ND	96	84	13.3	53	68	24.8	70 - 130	30 m
Acrylonitrile	ND	93	112	18.5	105	107	1.9	70 - 130	30
Benzene	ND	104	105	1.0	100	101	1.0	70 - 130	30
Bromobenzene	ND	109	109	0.0	107	109	1.9	70 - 130	30
Bromochloromethane	ND	98	125	24.2	120	108	10.5	70 - 130	30
Bromodichloromethane	ND	106	110	3.7	104	105	1.0	70 - 130	30
Bromoform	ND	96	98	2.1	94	109	14.8	70 - 130	30
Bromomethane	ND	87	107	20.6	105	91	14.3	70 - 130	30
Carbon Disulfide	ND	92	98	6.3	96	97	1.0	70 - 130	30
Carbon tetrachloride	ND	91	106	15.2	94	82	13.6	70 - 130	30
Chlorobenzene	ND	102	108	5.7	101	105	3.9	70 - 130	30
Chloroethane	ND	103	113	9.3	109	102	6.6	70 - 130	30
Chloroform	ND	102	121	17.0	117	105	10.8	70 - 130	30
Chloromethane	ND	93	99	6.3	102	102	0.0	70 - 130	30
cis-1,2-Dichloroethene	ND	97	124	24.4	119	101	16.4	70 - 130	30
cis-1,3-Dichloropropene	ND	101	103	2.0	90	96	6.5	70 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromochloromethane	ND	106	107	0.9	101	110	8.5	70 - 130	30
Dibromoethane	ND	107	105	1.9	99	110	10.5	70 - 130	30
Dibromomethane	ND	104	107	2.8	101	111	9.4	70 - 130	30
Dichlorodifluoromethane	ND	77	94	19.9	102	85	18.2	70 - 130	30
Ethylbenzene	ND	101	108	6.7	100	99	1.0	70 - 130	30
Hexachlorobutadiene	ND	104	100	3.9	83	92	10.3	70 - 130	30
Isopropylbenzene	ND	117	118	0.9	116	117	0.9	70 - 130	30
m&p-Xylene	ND	103	112	8.4	102	101	1.0	70 - 130	30
Methyl ethyl ketone	ND	74	89	18.4	55	58	5.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	96	94	2.1	89	97	8.6	70 - 130	30
Methylene chloride	ND	103	108	4.7	111	117	5.3	70 - 130	30
Naphthalene	ND	119	103	14.4	89	121	30.5	70 - 130	30
n-Butylbenzene	ND	107	111	3.7	88	90	2.2	70 - 130	30
n-Propylbenzene	ND	106	108	1.9	105	103	1.9	70 - 130	30
o-Xylene	ND	110	116	5.3	109	111	1.8	70 - 130	30
p-Isopropyltoluene	ND	112	115	2.6	99	100	1.0	70 - 130	30
sec-Butylbenzene	ND	112	114	1.8	107	108	0.9	70 - 130	30
Styrene	ND	89	95	6.5	93	93	0.0	70 - 130	30
tert-Butylbenzene	ND	107	110	2.8	108	112	3.6	70 - 130	30
Tetrachloroethene	ND	102	103	1.0	94	95	1.1	70 - 130	30
Tetrahydrofuran (THF)	ND	89	107	18.4	104	102	1.9	70 - 130	30
Toluene	ND	102	106	3.8	99	100	1.0	70 - 130	30
trans-1,2-Dichloroethene	ND	102	109	6.6	102	105	2.9	70 - 130	30
trans-1,3-Dichloropropene	ND	104	105	1.0	88	98	10.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	117	112	4.4	92	108	16.0	70 - 130	30
Trichloroethene	ND	104	105	1.0	102	103	1.0	70 - 130	30
Trichlorofluoromethane	ND	116	122	5.0	97	95	2.1	70 - 130	30
Trichlorotrifluoroethane	ND	99	106	6.8	99	94	5.2	70 - 130	30
Vinyl chloride	ND	92	104	12.2	99	96	3.1	70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	99	1.0	100	103	3.0	70 - 130	30
% Bromofluorobenzene	94	96	100	4.1	96	93	3.2	70 - 130	30
% Dibromofluoromethane	104	93	116	22.0	116	101	13.8	70 - 130	30
% Toluene-d8	97	97	98	1.0	97	96	1.0	70 - 130	30

QA/QC Batch 197150, QC Sample No: BB59295 (BB59659, BB59660, BB59661, BB59662, BB59663, BB59664, BB59665, BB59666, BB59667)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	56	57	1.8	59	60	1.7	30 - 130	30
1,2,4-Trichlorobenzene	ND	70	71	1.4	76	77	1.3	30 - 130	30
1,2-Dichlorobenzene	ND	68	70	2.9	75	76	1.3	30 - 130	30
1,3-Dichlorobenzene	ND	65	67	3.0	71	73	2.8	30 - 130	30
1,4-Dichlorobenzene	ND	67	68	1.5	73	75	2.7	30 - 130	30
2,4,5-Trichlorophenol	ND	80	79	1.3	85	84	1.2	30 - 130	30
2,4,6-Trichlorophenol	ND	81	81	0.0	89	90	1.1	30 - 130	30
2,4-Dichlorophenol	ND	82	82	0.0	87	88	1.1	30 - 130	30
2,4-Dimethylphenol	ND	39	39	0.0	48	48	0.0	30 - 130	30
2,4-Dinitrophenol	ND	33	12	93.3	9.2	10	8.3	30 - 130	30
2,4-Dinitrotoluene	ND	82	85	3.6	88	89	1.1	30 - 130	30
2,6-Dinitrotoluene	ND	81	84	3.6	84	85	1.2	30 - 130	30
2-Chloronaphthalene	ND	75	75	0.0	81	83	2.4	30 - 130	30
2-Chlorophenol	ND	72	73	1.4	78	80	2.5	30 - 130	30
2-Methylnaphthalene	ND	72	73	1.4	NC	NC	NC	30 - 130	30
2-Methylphenol (o-cresol)	ND	68	69	1.5	87	88	1.1	30 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Nitroaniline	ND	>150	>150	NC	>130	>130	NC	30 - 130	30	l,m
2-Nitrophenol	ND	75	77	2.6	79	80	1.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	72	73	1.4	78	78	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	82	82	0.0	78	84	7.4	30 - 130	30	
3-Nitroaniline	ND	83	85	2.4	88	91	3.4	30 - 130	30	m
4,6-Dinitro-2-methylphenol	ND	75	62	19.0	26	21	21.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	79	80	1.3	85	87	2.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	84	1.2	87	89	2.3	30 - 130	30	
4-Chloroaniline	ND	54	53	1.9	37	49	27.9	30 - 130	30	m,r
4-Chlorophenyl phenyl ether	ND	79	79	0.0	82	84	2.4	30 - 130	30	
4-Nitroaniline	ND	83	85	2.4	88	91	3.4	30 - 130	30	
4-Nitrophenol	ND	87	88	1.1	99	98	1.0	30 - 130	30	
Acenaphthene	ND	75	75	0.0	55	56	1.8	30 - 130	30	m,r
Acenaphthylene	ND	73	74	1.4	NC	NC	NC	30 - 130	30	
Acetophenone	ND	48	49	2.1	56	57	1.8	30 - 130	30	
Aniline	ND	51	52	1.9	19	46	83.1	30 - 130	30	
Anthracene	ND	76	76	0.0	NC	NC	NC	30 - 130	30	m
Azobenzene	ND	49	49	0.0	48	47	2.1	30 - 130	30	
Benz(a)anthracene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Benzidine	ND	69	72	4.3	<5	<5	NC	30 - 130	30	
Benzo(a)pyrene	ND	77	77	0.0	NC	NC	NC	30 - 130	30	r
Benzo(b)fluoranthene	ND	82	80	2.5	NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	83	81	2.4	NC	NC	NC	30 - 130	30	
Benzo(k)fluoranthene	ND	82	79	3.7	50	66	27.6	30 - 130	30	
Benzyl butyl phthalate	ND	80	80	0.0	107	105	1.9	30 - 130	30	r
Bis(2-chloroethoxy)methane	ND	73	75	2.7	80	81	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	65	1.6	106	74	35.6	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	73	2.8	77	79	2.6	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	74	71	4.1	130	100	26.1	30 - 130	30	m
Carbazole	ND	109	110	0.9	78	81	3.8	30 - 130	30	
Chrysene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Dibenz(a,h)anthracene	ND	84	84	0.0	53	50	5.8	30 - 130	30	
Dibenzofuran	ND	75	75	0.0	55	64	15.1	30 - 130	30	m
Diethyl phthalate	ND	79	79	0.0	80	82	2.5	30 - 130	30	
Dimethylphthalate	ND	78	78	0.0	81	83	2.4	30 - 130	30	
Di-n-butylphthalate	ND	76	76	0.0	78	79	1.3	30 - 130	30	
Di-n-octylphthalate	ND	79	79	0.0	107	108	0.9	30 - 130	30	m
Fluoranthene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Fluorene	ND	78	78	0.0	NC	NC	NC	30 - 130	30	
Hexachlorobenzene	ND	79	79	0.0	80	81	1.2	30 - 130	30	
Hexachlorobutadiene	ND	72	74	2.7	79	80	1.3	30 - 130	30	m
Hexachlorocyclopentadiene	ND	54	58	7.1	5.6	4.6	19.6	30 - 130	30	
Hexachloroethane	ND	66	67	1.5	80	76	5.1	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	84	83	1.2	28	24	15.4	30 - 130	30	
Isophorone	ND	59	61	3.3	66	66	0.0	30 - 130	30	m
Naphthalene	ND	73	74	1.4	NC	NC	NC	30 - 130	30	
Nitrobenzene	ND	73	75	2.7	81	84	3.6	30 - 130	30	
N-Nitrosodimethylamine	ND	63	65	3.1	69	72	4.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	74	76	2.7	77	79	2.6	30 - 130	30	m
N-Nitrosodiphenylamine	ND	87	87	0.0	96	98	2.1	30 - 130	30	
Pentachloronitrobenzene	ND	108	108	0.0	98	98	0.0	30 - 130	30	
Pentachlorophenol	ND	70	67	4.4	97	92	5.3	30 - 130	30	
Phenanthrene	ND	80	80	0.0	NC	NC	NC	30 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Phenol	ND	78	79	1.3	99	97	2.0	30 - 130	30
Pyrene	ND	81	81	0.0	NC	NC	NC	30 - 130	30
Pyridine	ND	34	36	5.7	43	50	15.1	30 - 130	30
% 2,4,6-Tribromophenol	80	81	82	1.2	85	89	4.6	15 - 130	30
% 2-Fluorobiphenyl	71	70	71	1.4	74	77	4.0	30 - 130	30
% 2-Fluorophenol	73	72	73	1.4	78	81	3.8	15 - 130	30
% Nitrobenzene-d5	74	70	73	4.2	76	79	3.9	30 - 130	30
% Phenol-d5	72	71	73	2.8	75	78	3.9	15 - 130	30
% Terphenyl-d14	93	93	94	1.1	93	95	2.1	30 - 130	30

QA/QC Batch 197640, QC Sample No: BB59621 (BB59660)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	109	113	3.6	101	100	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	107	107	0.0	111	110	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	109	6.6	113	103	9.3	70 - 130	30	
1,1,2-Trichloroethane	ND	103	113	9.3	101	94	7.2	70 - 130	30	
1,1-Dichloroethane	ND	105	108	2.8	110	108	1.8	70 - 130	30	
1,1-Dichloroethene	ND	98	101	3.0	113	110	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	107	109	1.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	118	110	7.0	61	70	13.7	70 - 130	30	m
1,2,3-Trichloropropane	ND	98	112	13.3	113	98	14.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	113	106	6.4	65	72	10.2	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	110	109	0.9	101	103	2.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	106	111	4.6	104	93	11.2	70 - 130	30	
1,2-Dichlorobenzene	ND	105	107	1.9	93	93	0.0	70 - 130	30	
1,2-Dichloroethane	ND	102	110	7.5	102	96	6.1	70 - 130	30	
1,2-Dichloropropane	ND	105	110	4.7	104	102	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	111	111	0.0	106	108	1.9	70 - 130	30	
1,3-Dichlorobenzene	ND	107	107	0.0	93	96	3.2	70 - 130	30	
1,3-Dichloropropane	ND	103	113	9.3	105	98	6.9	70 - 130	30	
1,4-Dichlorobenzene	ND	105	105	0.0	92	94	2.2	70 - 130	30	
2,2-Dichloropropane	ND	108	108	0.0	106	105	0.9	70 - 130	30	
2-Chlorotoluene	ND	108	108	0.0	104	107	2.8	70 - 130	30	
2-Hexanone	ND	90	115	24.4	41	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	105	0.9	103	106	2.9	70 - 130	30	
4-Chlorotoluene	ND	102	104	1.9	99	103	4.0	70 - 130	30	
4-Methyl-2-pentanone	ND	96	112	15.4	80	70	13.3	70 - 130	30	
Acetone	ND	87	114	26.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	97	109	11.7	92	79	15.2	70 - 130	30	
Benzene	ND	107	109	1.9	105	105	0.0	70 - 130	30	
Bromobenzene	ND	108	110	1.8	102	103	1.0	70 - 130	30	
Bromochloromethane	ND	104	112	7.4	109	103	5.7	70 - 130	30	
Bromodichloromethane	ND	106	113	6.4	103	98	5.0	70 - 130	30	
Bromoform	ND	106	117	9.9	93	88	5.5	70 - 130	30	
Bromomethane	ND	117	115	1.7	119	97	20.4	70 - 130	30	
Carbon Disulfide	ND	99	103	4.0	77	73	5.3	70 - 130	30	
Carbon tetrachloride	ND	105	113	7.3	105	99	5.9	70 - 130	30	
Chlorobenzene	ND	106	108	1.9	101	100	1.0	70 - 130	30	
Chloroethane	ND	103	107	3.8	115	114	0.9	70 - 130	30	
Chloroform	ND	108	110	1.8	110	107	2.8	70 - 130	30	
Chloromethane	ND	99	93	6.3	105	117	10.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	107	0.0	107	107	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	110	4.7	99	94	5.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	105	114	8.2	100	94	6.2	70 - 130	30	
Dibromoethane	ND	104	114	9.2	104	96	8.0	70 - 130	30	
Dibromomethane	ND	106	115	8.1	107	98	8.8	70 - 130	30	
Dichlorodifluoromethane	ND	92	90	2.2	113	113	0.0	70 - 130	30	
Ethylbenzene	ND	109	110	0.9	103	104	1.0	70 - 130	30	
Hexachlorobutadiene	ND	112	100	11.3	82	95	14.7	70 - 130	30	
Isopropylbenzene	ND	109	107	1.9	110	114	3.6	70 - 130	30	
m&p-Xylene	ND	108	109	0.9	100	102	2.0	70 - 130	30	
Methyl ethyl ketone	ND	82	120	37.6	48	41	15.7	70 - 130	30	m,r
Methyl t-butyl ether (MTBE)	ND	94	102	8.2	94	91	3.2	70 - 130	30	
Methylene chloride	ND	98	105	6.9	107	97	9.8	70 - 130	30	
Naphthalene	ND	123	105	15.8	69	87	23.1	70 - 130	30	m
n-Butylbenzene	ND	112	109	2.7	95	101	6.1	70 - 130	30	
n-Propylbenzene	ND	103	103	0.0	107	110	2.8	70 - 130	30	
o-Xylene	ND	107	109	1.9	98	99	1.0	70 - 130	30	
p-Isopropyltoluene	ND	114	113	0.9	102	105	2.9	70 - 130	30	
sec-Butylbenzene	ND	107	105	1.9	107	110	2.8	70 - 130	30	
Styrene	ND	107	109	1.9	96	94	2.1	70 - 130	30	
tert-Butylbenzene	ND	107	106	0.9	108	111	2.7	70 - 130	30	
Tetrachloroethene	ND	107	110	2.8	102	105	2.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	103	14.6	101	86	16.0	70 - 130	30	
Toluene	ND	109	111	1.8	101	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	103	0.0	109	111	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	112	5.5	99	94	5.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	105	116	10.0	100	90	10.5	70 - 130	30	
Trichloroethene	ND	108	109	0.9	102	104	1.9	70 - 130	30	
Trichlorofluoromethane	ND	119	121	1.7	115	113	1.8	70 - 130	30	
Trichlorotrifluoroethane	ND	101	106	4.8	114	106	7.3	70 - 130	30	
Vinyl chloride	ND	103	101	2.0	115	117	1.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	98	100	2.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	98	99	100	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	100	100	100	0.0	100	101	1.0	70 - 130	30	
% Toluene-d8	101	101	101	0.0	101	100	1.0	70 - 130	30	

QA/QC Batch 197746, QC Sample No: BB60421 (BB59666)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	106	108	1.9	76	95	22.2	70 - 130	30	
1,1,1-Trichloroethane	ND	102	94	8.2	79	97	20.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	112	9.3	91	103	12.4	70 - 130	30	
1,1,2-Trichloroethane	ND	105	105	0.0	80	89	10.7	70 - 130	30	
1,1-Dichloroethane	ND	107	88	19.5	81	104	24.9	70 - 130	30	
1,1-Dichloroethene	ND	87	89	2.3	94	94	0.0	70 - 130	30	
1,1-Dichloropropene	ND	101	104	2.9	74	98	27.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	95	103	8.1	<40	<40	NC	70 - 130	30	m
1,2,3-Trichloropropane	ND	99	114	14.1	99	97	2.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	92	94	2.2	<40	<40	NC	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	98	102	4.0	68	85	22.2	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	112	124	10.2	85	90	5.7	70 - 130	30	
1,2-Dichlorobenzene	ND	94	95	1.1	44	63	35.5	70 - 130	30	m,r
1,2-Dichloroethane	ND	98	99	1.0	79	83	4.9	70 - 130	30	
1,2-Dichloropropane	ND	101	97	4.0	83	97	15.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	107	112	4.6	78	97	21.7	70 - 130	30	
1,3-Dichlorobenzene	ND	100	98	2.0	52	70	29.5	70 - 130	30	m

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichloropropane	ND	101	103	2.0	81	91	11.6	70 - 130	30	
1,4-Dichlorobenzene	ND	95	95	0.0	49	63	25.0	70 - 130	30	m
2,2-Dichloropropane	ND	101	90	11.5	82	99	18.8	70 - 130	30	
2-Chlorotoluene	ND	97	99	2.0	70	88	22.8	70 - 130	30	
2-Hexanone	ND	83	80	3.7	99	101	2.0	70 - 130	30	
2-Isopropyltoluene	ND	105	105	0.0	67	88	27.1	70 - 130	30	m
4-Chlorotoluene	ND	96	95	1.0	64	81	23.4	70 - 130	30	m
4-Methyl-2-pentanone	ND	98	105	6.9	101	95	6.1	70 - 130	30	
Acetone	ND	77	73	5.3	91	83	9.2	70 - 130	30	
Acrylonitrile	ND	109	91	18.0	85	97	13.2	70 - 130	30	
Benzene	ND	99	98	1.0	115	119	3.4	70 - 130	30	
Bromobenzene	ND	97	98	1.0	65	79	19.4	70 - 130	30	m
Bromochloromethane	ND	109	86	23.6	73	95	26.2	70 - 130	30	
Bromodichloromethane	ND	105	100	4.9	75	87	14.8	70 - 130	30	
Bromoform	ND	94	100	6.2	61	81	28.2	70 - 130	30	m
Bromomethane	ND	90	79	13.0	83	83	0.0	70 - 130	30	
Carbon Disulfide	ND	128	125	2.4	80	83	3.7	70 - 130	30	
Carbon tetrachloride	ND	112	88	24.0	78	93	17.5	70 - 130	30	
Chlorobenzene	ND	101	99	2.0	69	83	18.4	70 - 130	30	m
Chloroethane	ND	94	88	6.6	92	101	9.3	70 - 130	30	
Chloroform	ND	106	90	16.3	77	97	23.0	70 - 130	30	
Chloromethane	ND	88	84	4.7	99	98	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	111	87	24.2	75	97	25.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	100	4.9	73	81	10.4	70 - 130	30	
Dibromochloromethane	ND	101	104	2.9	71	84	16.8	70 - 130	30	
Dibromoethane	ND	103	102	1.0	67	76	12.6	70 - 130	30	m
Dibromomethane	ND	101	99	2.0	72	76	5.4	70 - 130	30	
Dichlorodifluoromethane	ND	80	72	10.5	93	113	19.4	70 - 130	30	
Ethylbenzene	ND	102	100	2.0	73	91	22.0	70 - 130	30	
Hexachlorobutadiene	ND	91	94	3.2	<40	53	NC	70 - 130	30	m
Isopropylbenzene	ND	101	103	2.0	87	102	15.9	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	76	94	21.2	70 - 130	30	
Methyl ethyl ketone	ND	90	83	8.1	87	105	18.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	115	106	8.1	104	108	3.8	70 - 130	30	
Methylene chloride	ND	92	90	2.2	84	87	3.5	70 - 130	30	
Naphthalene	ND	98	112	13.3	NC	NC	NC	70 - 130	30	
n-Butylbenzene	ND	102	103	1.0	56	75	29.0	70 - 130	30	m
n-Propylbenzene	ND	99	100	1.0	83	99	17.6	70 - 130	30	
o-Xylene	ND	105	102	2.9	70	91	26.1	70 - 130	30	
p-Isopropyltoluene	ND	107	108	0.9	68	89	26.8	70 - 130	30	m
sec-Butylbenzene	ND	97	97	0.0	68	88	25.6	70 - 130	30	m
Styrene	ND	90	92	2.2	65	80	20.7	70 - 130	30	m
tert-Butylbenzene	ND	101	101	0.0	77	95	20.9	70 - 130	30	
Tetrachloroethene	ND	93	98	5.2	96	NC	NC	70 - 130	30	
Tetrahydrofuran (THF)	ND	103	91	12.4	84	101	18.4	70 - 130	30	
Toluene	ND	104	106	1.9	93	109	15.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	93	90	3.3	85	86	1.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	103	5.7	63	56	11.8	70 - 130	30	m
trans-1,4-dichloro-2-butene	ND	112	120	6.9	82	84	2.4	70 - 130	30	
Trichloroethene	ND	103	100	3.0	83	98	16.6	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	82	88	7.1	70 - 130	30	
Trichlorotrifluoroethane	ND	90	89	1.1	90	95	5.4	70 - 130	30	
Vinyl chloride	ND	91	87	4.5	98	100	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 1,2-dichlorobenzene-d4	95	94	98	4.2	95	96	1.0	70 - 130	30
% Bromofluorobenzene	98	104	100	3.9	88	97	9.7	70 - 130	30
% Dibromofluoromethane	89	109	89	20.2	101	116	13.8	70 - 130	30
% Toluene-d8	96	103	101	2.0	97	101	4.0	70 - 130	30

QA/QC Batch 197648, QC Sample No: BB60813 (BB59659, BB59661, BB59662, BB59664)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	108	113	4.5	99	105	5.9	70 - 130	30	
1,1,1-Trichloroethane	ND	108	101	6.7	90	106	16.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	114	7.3	97	103	6.0	70 - 130	30	
1,1,2-Trichloroethane	ND	109	108	0.9	90	98	8.5	70 - 130	30	
1,1-Dichloroethane	ND	112	95	16.4	84	108	25.0	70 - 130	30	
1,1-Dichloroethene	ND	103	103	0.0	92	99	7.3	70 - 130	30	
1,1-Dichloropropene	ND	112	106	5.5	95	107	11.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	107	10.8	81	82	1.2	70 - 130	30	
1,2,3-Trichloropropane	ND	99	108	8.7	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	90	99	9.5	79	83	4.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	116	105	10.0	93	99	6.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	117	6.2	88	90	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	97	100	3.0	86	94	8.9	70 - 130	30	
1,2-Dichloroethane	ND	101	104	2.9	87	94	7.7	70 - 130	30	
1,2-Dichloropropane	ND	106	106	0.0	91	100	9.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	114	114	0.0	101	109	7.6	70 - 130	30	
1,3-Dichlorobenzene	ND	103	103	0.0	90	99	9.5	70 - 130	30	
1,3-Dichloropropane	ND	104	108	3.8	89	97	8.6	70 - 130	30	
1,4-Dichlorobenzene	ND	99	100	1.0	88	96	8.7	70 - 130	30	
2,2-Dichloropropane	ND	106	97	8.9	84	97	14.4	70 - 130	30	
2-Chlorotoluene	ND	101	101	0.0	91	100	9.4	70 - 130	30	
2-Hexanone	ND	80	90	11.8	48	50	4.1	70 - 130	30	m
2-Isopropyltoluene	ND	108	109	0.9	99	109	9.6	70 - 130	30	
4-Chlorotoluene	ND	98	97	1.0	91	103	12.4	70 - 130	30	
4-Methyl-2-pentanone	ND	97	103	6.0	80	82	2.5	70 - 130	30	
Acetone	ND	80	91	12.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	111	97	13.5	76	91	18.0	70 - 130	30	
Benzene	ND	106	107	0.9	94	101	7.2	70 - 130	30	
Bromobenzene	ND	100	102	2.0	89	98	9.6	70 - 130	30	
Bromochloromethane	ND	112	91	20.7	80	105	27.0	70 - 130	30	
Bromodichloromethane	ND	107	106	0.9	91	100	9.4	70 - 130	30	
Bromoform	ND	85	84	1.2	81	85	4.8	70 - 130	30	
Bromomethane	ND	109	96	12.7	86	99	14.1	70 - 130	30	
Carbon Disulfide	ND	>150	>150	NC	93	97	4.2	70 - 130	30	l
Carbon tetrachloride	ND	105	98	6.9	85	106	22.0	70 - 130	30	
Chlorobenzene	ND	104	103	1.0	93	102	9.2	70 - 130	30	
Chloroethane	ND	109	101	7.6	90	103	13.5	70 - 130	30	
Chloroform	ND	107	99	7.8	85	102	18.2	70 - 130	30	
Chloromethane	ND	111	109	1.8	88	91	3.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	95	20.8	83	110	28.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	108	0.0	92	97	5.3	70 - 130	30	
Dibromochloromethane	ND	105	110	4.7	92	99	7.3	70 - 130	30	
Dibromoethane	ND	104	107	2.8	87	96	9.8	70 - 130	30	
Dibromomethane	ND	103	104	1.0	88	94	6.6	70 - 130	30	
Dichlorodifluoromethane	ND	118	104	12.6	78	93	17.5	70 - 130	30	
Ethylbenzene	ND	112	104	7.4	94	105	11.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachlorobutadiene	ND	93	94	1.1	87	88	1.1	70 - 130	30
Isopropylbenzene	ND	105	105	0.0	96	106	9.9	70 - 130	30
m&p-Xylene	ND	119	105	12.5	94	104	10.1	70 - 130	30
Methyl ethyl ketone	ND	92	94	2.2	44	45	2.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	108	110	1.8	89	96	7.6	70 - 130	30
Methylene chloride	ND	100	99	1.0	83	93	11.4	70 - 130	30
Naphthalene	ND	100	113	12.2	83	81	2.4	70 - 130	30
n-Butylbenzene	ND	105	104	1.0	92	103	11.3	70 - 130	30
n-Propylbenzene	ND	106	102	3.8	97	112	14.4	70 - 130	30
o-Xylene	ND	110	107	2.8	92	103	11.3	70 - 130	30
p-Isopropyltoluene	ND	111	110	0.9	96	106	9.9	70 - 130	30
sec-Butylbenzene	ND	101	101	0.0	94	104	10.1	70 - 130	30
Styrene	ND	89	84	5.8	82	92	11.5	70 - 130	30
tert-Butylbenzene	ND	104	104	0.0	96	106	9.9	70 - 130	30
Tetrachloroethene	ND	100	101	1.0	94	99	5.2	70 - 130	30
Tetrahydrofuran (THF)	ND	101	88	13.8	70	91	26.1	70 - 130	30
Toluene	ND	116	107	8.1	93	105	12.1	70 - 130	30
trans-1,2-Dichloroethene	ND	102	102	0.0	94	101	7.2	70 - 130	30
trans-1,3-Dichloropropene	ND	112	111	0.9	89	98	9.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	114	119	4.3	88	95	7.7	70 - 130	30
Trichloroethene	ND	106	107	0.9	94	102	8.2	70 - 130	30
Trichlorofluoromethane	ND	121	117	3.4	90	94	4.3	70 - 130	30
Trichlorotrifluoroethane	ND	102	98	4.0	92	99	7.3	70 - 130	30
Vinyl chloride	ND	113	107	5.5	87	97	10.9	70 - 130	30
% 1,2-dichlorobenzene-d4	96	94	98	4.2	96	95	1.0	70 - 130	30
% Bromofluorobenzene	101	103	99	4.0	96	100	4.1	70 - 130	30
% Dibromofluoromethane	91	109	91	18.0	93	107	14.0	70 - 130	30
% Toluene-d8	95	102	100	2.0	98	101	3.0	70 - 130	30

QA/QC Batch 197740, QC Sample No: BB60872 (BB59663, BB59667)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	110	104	5.6	100	104	3.9	70 - 130	30
1,1,1-Trichloroethane	ND	109	106	2.8	112	119	6.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	105	91	14.3	106	97	8.9	70 - 130	30
1,1,2-Trichloroethane	ND	112	103	8.4	102	99	3.0	70 - 130	30
1,1-Dichloroethane	ND	109	105	3.7	112	114	1.8	70 - 130	30
1,1-Dichloroethene	ND	102	99	3.0	115	116	0.9	70 - 130	30
1,1-Dichloropropene	ND	106	103	2.9	109	117	7.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	94	96	2.1	68	71	4.3	70 - 130	30
1,2,3-Trichloropropane	ND	111	99	11.4	113	99	13.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	84	81	3.6	69	68	1.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	103	98	5.0	48	51	6.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	112	102	9.3	111	101	9.4	70 - 130	30
1,2-Dichlorobenzene	ND	98	94	4.2	90	91	1.1	70 - 130	30
1,2-Dichloroethane	ND	108	101	6.7	104	100	3.9	70 - 130	30
1,2-Dichloropropane	ND	111	105	5.6	103	106	2.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	105	100	4.9	91	96	5.3	70 - 130	30
1,3-Dichlorobenzene	ND	94	91	3.2	78	80	2.5	70 - 130	30
1,3-Dichloropropane	ND	110	103	6.6	103	100	3.0	70 - 130	30
1,4-Dichlorobenzene	ND	92	88	4.4	56	57	1.8	70 - 130	30
2,2-Dichloropropane	ND	99	97	2.0	101	105	3.9	70 - 130	30
2-Chlorotoluene	ND	100	96	4.1	100	104	3.9	70 - 130	30
2-Hexanone	ND	69	72	4.3	45	<40	NC	70 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Isopropyltoluene	ND	100	99	1.0	101	106	4.8	70 - 130	30	
4-Chlorotoluene	ND	94	90	4.3	96	99	3.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	90	9.5	88	75	16.0	70 - 130	30	
Acetone	ND	70	79	12.1	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	109	99	9.6	83	72	14.2	70 - 130	30	
Benzene	ND	107	105	1.9	105	109	3.7	70 - 130	30	
Bromobenzene	ND	104	100	3.9	98	100	2.0	70 - 130	30	
Bromochloromethane	ND	110	104	5.6	110	105	4.7	70 - 130	30	
Bromodichloromethane	ND	112	105	6.5	102	102	0.0	70 - 130	30	
Bromoform	ND	111	100	10.4	98	92	6.3	70 - 130	30	
Bromomethane	ND	116	99	15.8	122	109	11.3	70 - 130	30	
Carbon Disulfide	ND	103	98	5.0	76	75	1.3	70 - 130	30	
Carbon tetrachloride	ND	112	98	13.3	109	108	0.9	70 - 130	30	
Chlorobenzene	ND	102	99	3.0	52	55	5.6	70 - 130	30	m
Chloroethane	ND	108	105	2.8	116	118	1.7	70 - 130	30	
Chloroform	ND	111	107	3.7	109	112	2.7	70 - 130	30	
Chloromethane	ND	95	102	7.1	110	126	13.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	106	0.9	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	99	5.9	96	94	2.1	70 - 130	30	
Dibromochloromethane	ND	110	101	8.5	98	98	0.0	70 - 130	30	
Dibromoethane	ND	112	103	8.4	105	100	4.9	70 - 130	30	
Dibromomethane	ND	115	105	9.1	107	102	4.8	70 - 130	30	
Dichlorodifluoromethane	ND	93	89	4.4	121	129	6.4	70 - 130	30	
Ethylbenzene	ND	105	101	3.9	86	92	6.7	70 - 130	30	
Hexachlorobutadiene	ND	89	96	7.6	88	97	9.7	70 - 130	30	
Isopropylbenzene	ND	105	101	3.9	109	115	5.4	70 - 130	30	
m&p-Xylene	ND	102	99	3.0	74	78	5.3	70 - 130	30	
Methyl ethyl ketone	ND	69	76	9.7	50	42	17.4	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	101	103	2.0	96	92	4.3	70 - 130	30	
Methylene chloride	ND	106	100	5.8	104	99	4.9	70 - 130	30	
Naphthalene	ND	101	114	12.1	<40	<40	NC	70 - 130	30	m
n-Butylbenzene	ND	96	92	4.3	88	90	2.2	70 - 130	30	
n-Propylbenzene	ND	96	93	3.2	102	107	4.8	70 - 130	30	
o-Xylene	ND	104	101	2.9	85	90	5.7	70 - 130	30	
p-Isopropyltoluene	ND	104	100	3.9	96	101	5.1	70 - 130	30	
sec-Butylbenzene	ND	100	98	2.0	106	113	6.4	70 - 130	30	
Styrene	ND	105	99	5.9	92	91	1.1	70 - 130	30	
tert-Butylbenzene	ND	103	102	1.0	108	115	6.3	70 - 130	30	
Tetrachloroethene	ND	101	96	5.1	103	108	4.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	105	90	15.4	108	88	20.4	70 - 130	30	
Toluene	ND	107	105	1.9	105	108	2.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	104	0.0	107	113	5.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	105	98	6.9	94	91	3.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	88	10.8	90	80	11.8	70 - 130	30	
Trichloroethene	ND	111	108	2.7	104	109	4.7	70 - 130	30	
Trichlorofluoromethane	ND	124	119	4.1	118	120	1.7	70 - 130	30	
Trichlorotrifluoroethane	ND	105	96	9.0	117	116	0.9	70 - 130	30	
Vinyl chloride	ND	102	103	1.0	119	127	6.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	98	98	0.0	102	98	4.0	70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	92	99	99	0.0	103	102	1.0	70 - 130	30	
% Toluene-d8	101	101	101	0.0	101	100	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

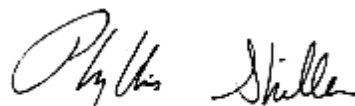
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director
April 10, 2012

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59659	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB59659	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1900	10	ug/Kg
BB59659	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59659	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	6000	5	ug/Kg
BB59659	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	200	10	ug/Kg
BB59659	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	2700	5	ug/Kg
BB59659	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59659	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	5	ug/Kg
BB59659	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	300	10	ug/Kg
BB59659	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	800	5	ug/Kg
BB59659	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59659	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	60	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59659	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	700	5	ug/Kg
BB59659	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	1000	10	ug/Kg
BB59659	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	4100	1400	1500	5	ug/Kg
BB59659	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1400	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400		5	ug/Kg
BB59659	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1700	5	ug/Kg
BB59659	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	9200	1400	5500	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59659	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	5200	1400	3400	330	ug/Kg
BB59659	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	42000	1400	1200		ug/Kg
BB59659	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	30	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	370	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	200	330	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	220	330	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	240	330	ug/Kg
BB59659	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	500	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	200	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	430	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	61	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	224	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59659	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	14	330	ug/Kg
BB59660	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59660	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59660	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59660	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg
BB59660	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59660	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg
BB59660	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59660	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59660	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59660	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59660	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59660	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59660	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59660	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59660	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59660	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	500	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	200	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	980	100	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	430	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59661	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59661	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59661	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59661	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59661	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59661	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg
BB59661	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59661	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59661	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59661	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59661	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59661	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59661	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1500	5	ug/Kg
BB59661	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2		5	ug/Kg
BB59661	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59661	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	5500	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59661	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59661	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59661	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59662	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	10	ug/Kg
BB59662	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1900	10	ug/Kg
BB59662	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59662	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	6000	5	ug/Kg
BB59662	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	200	10	ug/Kg
BB59662	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	2700	5	ug/Kg
BB59662	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59662	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	5	ug/Kg
BB59662	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	300	10	ug/Kg
BB59662	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	800	5	ug/Kg
BB59662	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59662	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	60	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59662	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	700	5	ug/Kg
BB59662	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	1000	10	ug/Kg
BB59662	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1500	5	ug/Kg
BB59662	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1400	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130		5	ug/Kg
BB59662	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1700	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59662	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	1280	130	1200		ug/Kg
BB59662	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59662	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59662	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	480	240	224	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Chrysene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	590	240	400	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59663	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59663	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59663	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59663	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg
BB59663	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59663	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59663	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59663	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59663	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59663	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59663	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59663	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59663	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2		5	ug/Kg
BB59663	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59663	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	5500	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59663	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59663	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59663	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59664	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59664	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	6000	5	ug/Kg
BB59664	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	200	10	ug/Kg
BB59664	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	2700	5	ug/Kg
BB59664	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59664	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	200	5	ug/Kg
BB59664	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	300	10	ug/Kg
BB59664	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	800	5	ug/Kg
BB59664	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59664	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	60	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59664	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	700	5	ug/Kg
BB59664	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	1000	10	ug/Kg
BB59664	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1500	5	ug/Kg
BB59664	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1400	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3		5	ug/Kg
BB59664	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1700	5	ug/Kg
BB59664	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	5500	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59664	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	350	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB59664	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB59665	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB59665	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1900	10	ug/Kg
BB59665	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59665	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	6000	5	ug/Kg
BB59665	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	200	10	ug/Kg
BB59665	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	2700	5	ug/Kg
BB59665	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59665	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	5	ug/Kg
BB59665	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	300	10	ug/Kg
BB59665	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	800	5	ug/Kg
BB59665	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59665	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	60	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59665	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	700	5	ug/Kg
BB59665	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	1000	10	ug/Kg
BB59665	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	6200	1400	1500	5	ug/Kg
BB59665	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1400	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400		5	ug/Kg
BB59665	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1700	5	ug/Kg
BB59665	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	13000	1400	5500	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59665	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	15000	1400	3400	330	ug/Kg
BB59665	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	74000	1400	1200		ug/Kg
BB59665	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	360	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB59665	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	500	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	200	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	430	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB59666	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	10	ug/Kg
BB59666	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1900	10	ug/Kg
BB59666	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59666	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	6000	5	ug/Kg
BB59666	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	200	10	ug/Kg
BB59666	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	2700	5	ug/Kg
BB59666	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59666	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	5	ug/Kg
BB59666	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	300	10	ug/Kg
BB59666	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59666	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	800	5	ug/Kg
BB59666	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59666	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	60	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59666	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	700	5	ug/Kg
BB59666	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	1000	10	ug/Kg
BB59666	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1500	5	ug/Kg
BB59666	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1400	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59666	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130		5	ug/Kg
BB59666	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1700	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59666	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59666	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59666	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59667	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59667	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	6000	5	ug/Kg
BB59667	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	200	10	ug/Kg
BB59667	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	11	2700	5	ug/Kg
BB59667	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59667	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	200	5	ug/Kg
BB59667	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	300	10	ug/Kg
BB59667	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	800	5	ug/Kg
BB59667	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59667	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	60	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59667	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	700	5	ug/Kg
BB59667	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	1000	10	ug/Kg
BB59667	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1400	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3		5	ug/Kg
BB59667	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1700	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59667	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	350	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59667	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59667	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Monday, April 16, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK
Sample ID#s: BB59665 - BB59667

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 16, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date
03/27/12 12:40
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59665

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	90		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,1-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2,4-Trimethylbenzene	56000	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,2-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3,5-Trimethylbenzene	22000	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,3-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2,2-Dichloropropane	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2-Chlorotoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	
2-Hexanone	ND	6900	ug/Kg	04/03/12		H/J	SW8260	
2-Isopropyltoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	1
4-Chlorotoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260	

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Acetone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Acrylonitrile	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Benzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromochloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromodichloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromoform	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Bromomethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Carbon Disulfide	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Carbon tetrachloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chlorobenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloroform	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Chloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromochloromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromoethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dibromomethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Dichlorodifluoromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Ethylbenzene	13000	1400	ug/Kg	04/03/12		H/J	SW8260
Hexachlorobutadiene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Isopropylbenzene	3000	1400	ug/Kg	04/03/12		H/J	SW8260
m&p-Xylene	48000	1400	ug/Kg	04/03/12		H/J	SW8260
Methyl Ethyl Ketone	ND	6900	ug/Kg	04/03/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Methylene chloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Naphthalene	15000	1400	ug/Kg	04/03/12		H/J	SW8260
n-Butylbenzene	3500	1400	ug/Kg	04/03/12		H/J	SW8260
n-Propylbenzene	11000	1400	ug/Kg	04/03/12		H/J	SW8260
o-Xylene	26000	1400	ug/Kg	04/03/12		H/J	SW8260
p-Isopropyltoluene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
sec-Butylbenzene	1600	1400	ug/Kg	04/03/12		H/J	SW8260
Styrene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
tert-Butylbenzene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Tetrachloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Toluene	6200	1400	ug/Kg	04/03/12		H/J	SW8260
Total Xylenes	74000	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	2800	ug/Kg	04/03/12		H/J	SW8260
Trichloroethene	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Trichlorofluoromethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Trichlorotrifluoroethane	ND	1400	ug/Kg	04/03/12		H/J	SW8260
Vinyl chloride	ND	1400	ug/Kg	04/03/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	04/03/12		H/J	70 - 130 %
% Bromofluorobenzene	99		%	04/03/12		H/J	70 - 130 %

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	105		%	04/03/12		H/J	70 - 130 %
% Toluene-d8	95		%	04/03/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	03/30/12		DD	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Chlorophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/30/12		DD	SW 8270
2-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
2-Nitrophenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/30/12		DD	SW 8270
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/30/12		DD	SW 8270
3-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/30/12		DD	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chloroaniline	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
4-Nitroaniline	ND	580	ug/Kg	03/30/12		DD	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Acenaphthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Acetophenone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Aniline	ND	360	ug/Kg	03/30/12		DD	SW 8270
Anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Azobenzene	ND	360	ug/Kg	03/30/12		DD	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzidine	ND	440	ug/Kg	03/30/12		DD	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	03/30/12		DD	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/30/12		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/30/12		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Carbazole	ND	540	ug/Kg	03/30/12		DD	SW 8270

Client ID: SBH-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dibenzofuran	ND	250	ug/Kg	03/30/12		DD	SW 8270
Diethyl phthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Dimethylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluoranthene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Fluorene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Hexachloroethane	ND	250	ug/Kg	03/30/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Isophorone	ND	250	ug/Kg	03/30/12		DD	SW 8270
Naphthalene	12000	250	ug/Kg	03/30/12		DD	SW 8270
Nitrobenzene	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/30/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/30/12		DD	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	03/30/12		DD	SW 8270
Pentachlorophenol	ND	360	ug/Kg	03/30/12		DD	SW 8270
Phenanthrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Phenol	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyrene	ND	250	ug/Kg	03/30/12		DD	SW 8270
Pyridine	ND	360	ug/Kg	03/30/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	87		%	03/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	77		%	03/30/12		DD	15 - 130 %
% 2-Fluorophenol	87		%	03/30/12		DD	15 - 130 %
% Nitrobenzene-d5	93		%	03/30/12		DD	15 - 130 %
% Phenol-d5	80		%	03/30/12		DD	15 - 130 %
% Terphenyl-d14	96		%	03/30/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

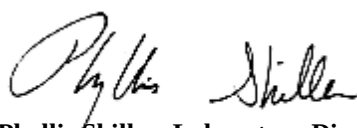
Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 16, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 16, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/27/12 12:55
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59666

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	94		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			04/02/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	1400	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	470	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	660	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	270	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	130	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	130	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	140	130	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	620	130	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	660	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	270	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	820	130	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	150	130	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	170	130	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	290	130	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	130	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	270	ug/Kg	04/04/12		H/J	SW8260
Toluene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	910	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	130	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	270	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	130	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	130	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	93		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	100		%	04/04/12		H/J	70 - 130 %

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Dibromofluoromethane	102		%	04/04/12		H/J	70 - 130 %
% Toluene-d8	100		%	04/04/12		H/J	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dinitrophenol	ND	560	ug/Kg	04/03/12		KCA	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Chlorophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Methylnaphthalene	420	240	ug/Kg	04/03/12		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	04/03/12		KCA	SW 8270
2-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
2-Nitrophenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	04/03/12		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	240	ug/Kg	04/03/12		KCA	SW 8270
3-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	04/03/12		KCA	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Chloroaniline	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	04/03/12		KCA	SW 8270
4-Nitroaniline	ND	560	ug/Kg	04/03/12		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Acenaphthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Acenaphthylene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Acetophenone	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Aniline	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Azobenzene	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzidine	ND	420	ug/Kg	04/03/12		KCA	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	04/03/12		KCA	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Carbazole	ND	520	ug/Kg	04/03/12		KCA	SW 8270

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dibenzofuran	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Diethyl phthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Dimethylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Fluoranthene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Fluorene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Hexachloroethane	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Isophorone	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Naphthalene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Nitrobenzene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	04/03/12		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	04/03/12		KCA	SW 8270
Phenanthrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Phenol	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Pyrene	ND	240	ug/Kg	04/03/12		KCA	SW 8270
Pyridine	ND	350	ug/Kg	04/03/12		KCA	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	<5		%	04/03/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	71		%	04/03/12		KCA	15 - 130 %
% 2-Fluorophenol	22		%	04/03/12		KCA	15 - 130 %
% Nitrobenzene-d5	74		%	04/03/12		KCA	15 - 130 %
% Phenol-d5	60		%	04/03/12		KCA	15 - 130 %
% Terphenyl-d14	120		%	04/03/12		KCA	15 - 130 %

3

Client ID: SBC-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

3 = This parameter exceeds laboratory specified limits.

Comments:

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

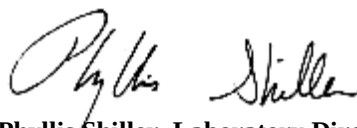
*For semivolatiles, poor surrogate recovery was observed. Sample was re-extracted with similar results. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 16, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 16, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: SOIL
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JM
Received by: LB
Analyzed by: see "By" below

Date Time
03/27/12 12:45
03/29/12 14:52

Laboratory Data

SDG ID: GBB59659
Phoenix ID: BB59667

Project ID: 1676 THIRD AVE., NYC, NY-SIDEWALK

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Percent Solid	94		%	03/29/12		JL	E160.3
Soil Extraction for SVOA	Completed			03/29/12		RB/R	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2,4-Trimethylbenzene	500	130	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3,5-Trimethylbenzene	230	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	
2-Hexanone	ND	27	ug/Kg	04/04/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260	

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acetone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	04/04/12		H/J	SW8260
Benzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromodichloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromoform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Bromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Carbon Disulfide	ND	11	ug/Kg	04/04/12		H/J	SW8260
Carbon tetrachloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chlorobenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloroform	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Chloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromochloromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromoethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dibromomethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Dichlorodifluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Ethylbenzene	99	5.3	ug/Kg	04/04/12		H/J	SW8260
Hexachlorobutadiene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Isopropylbenzene	26	5.3	ug/Kg	04/04/12		H/J	SW8260
m&p-Xylene	410	5.3	ug/Kg	04/04/12		H/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	04/04/12		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Methylene chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Naphthalene	380	130	ug/Kg	04/04/12		H/J	SW8260
n-Butylbenzene	27	5.3	ug/Kg	04/04/12		H/J	SW8260
n-Propylbenzene	85	5.3	ug/Kg	04/04/12		H/J	SW8260
o-Xylene	250	5.3	ug/Kg	04/04/12		H/J	SW8260
p-Isopropyltoluene	9.9	5.3	ug/Kg	04/04/12		H/J	SW8260
sec-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Styrene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
tert-Butylbenzene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrachloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	04/04/12		H/J	SW8260
Toluene	38	5.3	ug/Kg	04/04/12		H/J	SW8260
Total Xylenes	660	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	04/04/12		H/J	SW8260
Trichloroethene	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorofluoromethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Trichlorotrifluoroethane	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
Vinyl chloride	ND	5.3	ug/Kg	04/04/12		H/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	04/04/12		H/J	70 - 130 %
% Bromofluorobenzene	96		%	04/04/12		H/J	70 - 130 %

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
% Dibromofluoromethane	51		%	04/04/12		H/J	70 - 130 %	3
% Toluene-d8	100		%	04/04/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dichlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dimethylphenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dinitrophenol	ND	560	ug/Kg	03/31/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Chloronaphthalene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Chlorophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Methylnaphthalene	760	240	ug/Kg	03/31/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	ug/Kg	03/31/12		DD	SW 8270	
2-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
2-Nitrophenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	03/31/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	240	ug/Kg	03/31/12		DD	SW 8270	
3-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/31/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	350	ug/Kg	03/31/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Chloroaniline	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	03/31/12		DD	SW 8270	
4-Nitroaniline	ND	560	ug/Kg	03/31/12		DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	03/31/12		DD	SW 8270	
Acenaphthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Acenaphthylene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Acetophenone	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Aniline	ND	350	ug/Kg	03/31/12		DD	SW 8270	LO
Anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Azobenzene	ND	350	ug/Kg	03/31/12		DD	SW 8270	1
Benz(a)anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzidine	ND	420	ug/Kg	03/31/12		DD	SW 8270	
Benzo(a)pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(ghi)perylene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	03/31/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	350	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270	
Carbazole	ND	520	ug/Kg	03/31/12		DD	SW 8270	

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Chrysene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dibenzofuran	ND	240	ug/Kg	03/31/12		DD	SW 8270
Diethyl phthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Dimethylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	03/31/12		DD	SW 8270
Fluoranthene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Fluorene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Hexachloroethane	ND	240	ug/Kg	03/31/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Isophorone	ND	240	ug/Kg	03/31/12		DD	SW 8270
Naphthalene	540	240	ug/Kg	03/31/12		DD	SW 8270
Nitrobenzene	ND	240	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	03/31/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	03/31/12		DD	SW 8270
Pentachloronitrobenzene	ND	350	ug/Kg	03/31/12		DD	SW 8270
Pentachlorophenol	ND	350	ug/Kg	03/31/12		DD	SW 8270
Phenanthrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Phenol	ND	240	ug/Kg	03/31/12		DD	SW 8270
Pyrene	ND	240	ug/Kg	03/31/12		DD	SW 8270
Pyridine	ND	350	ug/Kg	03/31/12		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	7.2		%	03/31/12		DD	15 - 130 %
% 2-Fluorobiphenyl	79		%	03/31/12		DD	15 - 130 %
% 2-Fluorophenol	33		%	03/31/12		DD	15 - 130 %
% Nitrobenzene-d5	82		%	03/31/12		DD	15 - 130 %
% Phenol-d5	63		%	03/31/12		DD	15 - 130 %
% Terphenyl-d14	77		%	03/31/12		DD	15 - 130 %

3

Client ID: SBD-3

Parameter	Result	RL	Units ^	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

3 = This parameter exceeds laboratory specified limits.

Comments:

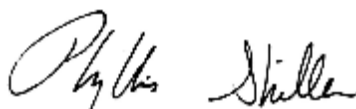
* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 16, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
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QA/QC Report

April 16, 2012

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197574, QC Sample No: BB58840 (BB59665)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	118	122	3.3	112	123	9.4	70 - 130	30
1,1,1-Trichloroethane	ND	100	117	15.7	107	96	10.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	118	112	5.2	105	124	16.6	70 - 130	30
1,1,2-Trichloroethane	ND	106	108	1.9	99	108	8.7	70 - 130	30
1,1-Dichloroethane	ND	97	122	22.8	118	101	15.5	70 - 130	30
1,1-Dichloroethene	ND	100	106	5.8	100	101	1.0	70 - 130	30
1,1-Dichloropropene	ND	88	110	22.2	97	81	18.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	120	107	11.5	83	105	23.4	70 - 130	30
1,2,3-Trichloropropane	ND	119	108	9.7	108	126	15.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	110	101	8.5	77	89	14.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	115	114	0.9	106	114	7.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	106	99	6.8	91	119	26.7	70 - 130	30
1,2-Dichlorobenzene	ND	106	105	0.9	101	109	7.6	70 - 130	30
1,2-Dichloroethane	ND	106	104	1.9	103	107	3.8	70 - 130	30
1,2-Dichloropropane	ND	104	108	3.8	102	106	3.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	118	116	1.7	108	114	5.4	70 - 130	30
1,3-Dichlorobenzene	ND	108	108	0.0	97	104	7.0	70 - 130	30
1,3-Dichloropropane	ND	106	109	2.8	103	110	6.6	70 - 130	30
1,4-Dichlorobenzene	ND	105	106	0.9	94	101	7.2	70 - 130	30
2,2-Dichloropropane	ND	95	112	16.4	86	81	6.0	70 - 130	30
2-Chlorotoluene	ND	108	108	0.0	105	106	0.9	70 - 130	30
2-Hexanone	ND	73	75	2.7	50	58	14.8	70 - 130	30 m
2-Isopropyltoluene	ND	110	112	1.8	109	114	4.5	70 - 130	30
4-Chlorotoluene	ND	110	111	0.9	106	111	4.6	70 - 130	30
4-Methyl-2-pentanone	ND	94	87	7.7	78	96	20.7	70 - 130	30
Acetone	ND	96	84	13.3	53	68	24.8	70 - 130	30 m
Acrylonitrile	ND	93	112	18.5	105	107	1.9	70 - 130	30
Benzene	ND	104	105	1.0	100	101	1.0	70 - 130	30
Bromobenzene	ND	109	109	0.0	107	109	1.9	70 - 130	30
Bromochloromethane	ND	98	125	24.2	120	108	10.5	70 - 130	30
Bromodichloromethane	ND	106	110	3.7	104	105	1.0	70 - 130	30
Bromoform	ND	96	98	2.1	94	109	14.8	70 - 130	30
Bromomethane	ND	87	107	20.6	105	91	14.3	70 - 130	30
Carbon Disulfide	ND	92	98	6.3	96	97	1.0	70 - 130	30
Carbon tetrachloride	ND	91	106	15.2	94	82	13.6	70 - 130	30
Chlorobenzene	ND	102	108	5.7	101	105	3.9	70 - 130	30
Chloroethane	ND	103	113	9.3	109	102	6.6	70 - 130	30
Chloroform	ND	102	121	17.0	117	105	10.8	70 - 130	30
Chloromethane	ND	93	99	6.3	102	102	0.0	70 - 130	30
cis-1,2-Dichloroethene	ND	97	124	24.4	119	101	16.4	70 - 130	30
cis-1,3-Dichloropropene	ND	101	103	2.0	90	96	6.5	70 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromochloromethane	ND	106	107	0.9	101	110	8.5	70 - 130	30
Dibromoethane	ND	107	105	1.9	99	110	10.5	70 - 130	30
Dibromomethane	ND	104	107	2.8	101	111	9.4	70 - 130	30
Dichlorodifluoromethane	ND	77	94	19.9	102	85	18.2	70 - 130	30
Ethylbenzene	ND	101	108	6.7	100	99	1.0	70 - 130	30
Hexachlorobutadiene	ND	104	100	3.9	83	92	10.3	70 - 130	30
Isopropylbenzene	ND	117	118	0.9	116	117	0.9	70 - 130	30
m&p-Xylene	ND	103	112	8.4	102	101	1.0	70 - 130	30
Methyl ethyl ketone	ND	74	89	18.4	55	58	5.3	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	96	94	2.1	89	97	8.6	70 - 130	30
Methylene chloride	ND	103	108	4.7	111	117	5.3	70 - 130	30
Naphthalene	ND	119	103	14.4	89	121	30.5	70 - 130	30
n-Butylbenzene	ND	107	111	3.7	88	90	2.2	70 - 130	30
n-Propylbenzene	ND	106	108	1.9	105	103	1.9	70 - 130	30
o-Xylene	ND	110	116	5.3	109	111	1.8	70 - 130	30
p-Isopropyltoluene	ND	112	115	2.6	99	100	1.0	70 - 130	30
sec-Butylbenzene	ND	112	114	1.8	107	108	0.9	70 - 130	30
Styrene	ND	89	95	6.5	93	93	0.0	70 - 130	30
tert-Butylbenzene	ND	107	110	2.8	108	112	3.6	70 - 130	30
Tetrachloroethene	ND	102	103	1.0	94	95	1.1	70 - 130	30
Tetrahydrofuran (THF)	ND	89	107	18.4	104	102	1.9	70 - 130	30
Toluene	ND	102	106	3.8	99	100	1.0	70 - 130	30
trans-1,2-Dichloroethene	ND	102	109	6.6	102	105	2.9	70 - 130	30
trans-1,3-Dichloropropene	ND	104	105	1.0	88	98	10.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	117	112	4.4	92	108	16.0	70 - 130	30
Trichloroethene	ND	104	105	1.0	102	103	1.0	70 - 130	30
Trichlorofluoromethane	ND	116	122	5.0	97	95	2.1	70 - 130	30
Trichlorotrifluoroethane	ND	99	106	6.8	99	94	5.2	70 - 130	30
Vinyl chloride	ND	92	104	12.2	99	96	3.1	70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	99	1.0	100	103	3.0	70 - 130	30
% Bromofluorobenzene	94	96	100	4.1	96	93	3.2	70 - 130	30
% Dibromofluoromethane	104	93	116	22.0	116	101	13.8	70 - 130	30
% Toluene-d8	97	97	98	1.0	97	96	1.0	70 - 130	30

QA/QC Batch 197150, QC Sample No: BB59295 (BB59659, BB59660, BB59661, BB59662, BB59663, BB59664, BB59665, BB59666, BB59667)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	56	57	1.8	59	60	1.7	30 - 130	30
1,2,4-Trichlorobenzene	ND	70	71	1.4	76	77	1.3	30 - 130	30
1,2-Dichlorobenzene	ND	68	70	2.9	75	76	1.3	30 - 130	30
1,3-Dichlorobenzene	ND	65	67	3.0	71	73	2.8	30 - 130	30
1,4-Dichlorobenzene	ND	67	68	1.5	73	75	2.7	30 - 130	30
2,4,5-Trichlorophenol	ND	80	79	1.3	85	84	1.2	30 - 130	30
2,4,6-Trichlorophenol	ND	81	81	0.0	89	90	1.1	30 - 130	30
2,4-Dichlorophenol	ND	82	82	0.0	87	88	1.1	30 - 130	30
2,4-Dimethylphenol	ND	39	39	0.0	48	48	0.0	30 - 130	30
2,4-Dinitrophenol	ND	33	12	93.3	9.2	10	8.3	30 - 130	30
2,4-Dinitrotoluene	ND	82	85	3.6	88	89	1.1	30 - 130	30
2,6-Dinitrotoluene	ND	81	84	3.6	84	85	1.2	30 - 130	30
2-Chloronaphthalene	ND	75	75	0.0	81	83	2.4	30 - 130	30
2-Chlorophenol	ND	72	73	1.4	78	80	2.5	30 - 130	30
2-Methylnaphthalene	ND	72	73	1.4	NC	NC	NC	30 - 130	30
2-Methylphenol (o-cresol)	ND	68	69	1.5	87	88	1.1	30 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Nitroaniline	ND	>150	>150	NC	>130	>130	NC	30 - 130	30	l,m
2-Nitrophenol	ND	75	77	2.6	79	80	1.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	72	73	1.4	78	78	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	82	82	0.0	78	84	7.4	30 - 130	30	
3-Nitroaniline	ND	83	85	2.4	88	91	3.4	30 - 130	30	m
4,6-Dinitro-2-methylphenol	ND	75	62	19.0	26	21	21.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	79	80	1.3	85	87	2.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	83	84	1.2	87	89	2.3	30 - 130	30	
4-Chloroaniline	ND	54	53	1.9	37	49	27.9	30 - 130	30	m,r
4-Chlorophenyl phenyl ether	ND	79	79	0.0	82	84	2.4	30 - 130	30	
4-Nitroaniline	ND	83	85	2.4	88	91	3.4	30 - 130	30	
4-Nitrophenol	ND	87	88	1.1	99	98	1.0	30 - 130	30	
Acenaphthene	ND	75	75	0.0	55	56	1.8	30 - 130	30	m,r
Acenaphthylene	ND	73	74	1.4	NC	NC	NC	30 - 130	30	
Acetophenone	ND	48	49	2.1	56	57	1.8	30 - 130	30	
Aniline	ND	51	52	1.9	19	46	83.1	30 - 130	30	
Anthracene	ND	76	76	0.0	NC	NC	NC	30 - 130	30	m
Azobenzene	ND	49	49	0.0	48	47	2.1	30 - 130	30	
Benz(a)anthracene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Benzidine	ND	69	72	4.3	<5	<5	NC	30 - 130	30	
Benzo(a)pyrene	ND	77	77	0.0	NC	NC	NC	30 - 130	30	r
Benzo(b)fluoranthene	ND	82	80	2.5	NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	83	81	2.4	NC	NC	NC	30 - 130	30	
Benzo(k)fluoranthene	ND	82	79	3.7	50	66	27.6	30 - 130	30	
Benzyl butyl phthalate	ND	80	80	0.0	107	105	1.9	30 - 130	30	r
Bis(2-chloroethoxy)methane	ND	73	75	2.7	80	81	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	65	1.6	106	74	35.6	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	73	2.8	77	79	2.6	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	74	71	4.1	130	100	26.1	30 - 130	30	m
Carbazole	ND	109	110	0.9	78	81	3.8	30 - 130	30	
Chrysene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Dibenz(a,h)anthracene	ND	84	84	0.0	53	50	5.8	30 - 130	30	
Dibenzofuran	ND	75	75	0.0	55	64	15.1	30 - 130	30	m
Diethyl phthalate	ND	79	79	0.0	80	82	2.5	30 - 130	30	
Dimethylphthalate	ND	78	78	0.0	81	83	2.4	30 - 130	30	
Di-n-butylphthalate	ND	76	76	0.0	78	79	1.3	30 - 130	30	
Di-n-octylphthalate	ND	79	79	0.0	107	108	0.9	30 - 130	30	m
Fluoranthene	ND	79	80	1.3	NC	NC	NC	30 - 130	30	
Fluorene	ND	78	78	0.0	NC	NC	NC	30 - 130	30	
Hexachlorobenzene	ND	79	79	0.0	80	81	1.2	30 - 130	30	
Hexachlorobutadiene	ND	72	74	2.7	79	80	1.3	30 - 130	30	m
Hexachlorocyclopentadiene	ND	54	58	7.1	5.6	4.6	19.6	30 - 130	30	
Hexachloroethane	ND	66	67	1.5	80	76	5.1	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	84	83	1.2	28	24	15.4	30 - 130	30	
Isophorone	ND	59	61	3.3	66	66	0.0	30 - 130	30	m
Naphthalene	ND	73	74	1.4	NC	NC	NC	30 - 130	30	
Nitrobenzene	ND	73	75	2.7	81	84	3.6	30 - 130	30	
N-Nitrosodimethylamine	ND	63	65	3.1	69	72	4.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	74	76	2.7	77	79	2.6	30 - 130	30	m
N-Nitrosodiphenylamine	ND	87	87	0.0	96	98	2.1	30 - 130	30	
Pentachloronitrobenzene	ND	108	108	0.0	98	98	0.0	30 - 130	30	
Pentachlorophenol	ND	70	67	4.4	97	92	5.3	30 - 130	30	
Phenanthrene	ND	80	80	0.0	NC	NC	NC	30 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Phenol	ND	78	79	1.3	99	97	2.0	30 - 130	30
Pyrene	ND	81	81	0.0	NC	NC	NC	30 - 130	30
Pyridine	ND	34	36	5.7	43	50	15.1	30 - 130	30
% 2,4,6-Tribromophenol	80	81	82	1.2	85	89	4.6	15 - 130	30
% 2-Fluorobiphenyl	71	70	71	1.4	74	77	4.0	30 - 130	30
% 2-Fluorophenol	73	72	73	1.4	78	81	3.8	15 - 130	30
% Nitrobenzene-d5	74	70	73	4.2	76	79	3.9	30 - 130	30
% Phenol-d5	72	71	73	2.8	75	78	3.9	15 - 130	30
% Terphenyl-d14	93	93	94	1.1	93	95	2.1	30 - 130	30

QA/QC Batch 197640, QC Sample No: BB59621 (BB59660)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	109	113	3.6	101	100	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	107	107	0.0	111	110	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	109	6.6	113	103	9.3	70 - 130	30	
1,1,2-Trichloroethane	ND	103	113	9.3	101	94	7.2	70 - 130	30	
1,1-Dichloroethane	ND	105	108	2.8	110	108	1.8	70 - 130	30	
1,1-Dichloroethene	ND	98	101	3.0	113	110	2.7	70 - 130	30	
1,1-Dichloropropene	ND	109	107	1.9	107	109	1.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	118	110	7.0	61	70	13.7	70 - 130	30	m
1,2,3-Trichloropropane	ND	98	112	13.3	113	98	14.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	113	106	6.4	65	72	10.2	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	110	109	0.9	101	103	2.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	106	111	4.6	104	93	11.2	70 - 130	30	
1,2-Dichlorobenzene	ND	105	107	1.9	93	93	0.0	70 - 130	30	
1,2-Dichloroethane	ND	102	110	7.5	102	96	6.1	70 - 130	30	
1,2-Dichloropropane	ND	105	110	4.7	104	102	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	111	111	0.0	106	108	1.9	70 - 130	30	
1,3-Dichlorobenzene	ND	107	107	0.0	93	96	3.2	70 - 130	30	
1,3-Dichloropropane	ND	103	113	9.3	105	98	6.9	70 - 130	30	
1,4-Dichlorobenzene	ND	105	105	0.0	92	94	2.2	70 - 130	30	
2,2-Dichloropropane	ND	108	108	0.0	106	105	0.9	70 - 130	30	
2-Chlorotoluene	ND	108	108	0.0	104	107	2.8	70 - 130	30	
2-Hexanone	ND	90	115	24.4	41	<40	NC	70 - 130	30	m
2-Isopropyltoluene	ND	106	105	0.9	103	106	2.9	70 - 130	30	
4-Chlorotoluene	ND	102	104	1.9	99	103	4.0	70 - 130	30	
4-Methyl-2-pentanone	ND	96	112	15.4	80	70	13.3	70 - 130	30	
Acetone	ND	87	114	26.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	97	109	11.7	92	79	15.2	70 - 130	30	
Benzene	ND	107	109	1.9	105	105	0.0	70 - 130	30	
Bromobenzene	ND	108	110	1.8	102	103	1.0	70 - 130	30	
Bromochloromethane	ND	104	112	7.4	109	103	5.7	70 - 130	30	
Bromodichloromethane	ND	106	113	6.4	103	98	5.0	70 - 130	30	
Bromoform	ND	106	117	9.9	93	88	5.5	70 - 130	30	
Bromomethane	ND	117	115	1.7	119	97	20.4	70 - 130	30	
Carbon Disulfide	ND	99	103	4.0	77	73	5.3	70 - 130	30	
Carbon tetrachloride	ND	105	113	7.3	105	99	5.9	70 - 130	30	
Chlorobenzene	ND	106	108	1.9	101	100	1.0	70 - 130	30	
Chloroethane	ND	103	107	3.8	115	114	0.9	70 - 130	30	
Chloroform	ND	108	110	1.8	110	107	2.8	70 - 130	30	
Chloromethane	ND	99	93	6.3	105	117	10.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	107	0.0	107	107	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	110	4.7	99	94	5.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	105	114	8.2	100	94	6.2	70 - 130	30	
Dibromoethane	ND	104	114	9.2	104	96	8.0	70 - 130	30	
Dibromomethane	ND	106	115	8.1	107	98	8.8	70 - 130	30	
Dichlorodifluoromethane	ND	92	90	2.2	113	113	0.0	70 - 130	30	
Ethylbenzene	ND	109	110	0.9	103	104	1.0	70 - 130	30	
Hexachlorobutadiene	ND	112	100	11.3	82	95	14.7	70 - 130	30	
Isopropylbenzene	ND	109	107	1.9	110	114	3.6	70 - 130	30	
m&p-Xylene	ND	108	109	0.9	100	102	2.0	70 - 130	30	
Methyl ethyl ketone	ND	82	120	37.6	48	41	15.7	70 - 130	30	m,r
Methyl t-butyl ether (MTBE)	ND	94	102	8.2	94	91	3.2	70 - 130	30	
Methylene chloride	ND	98	105	6.9	107	97	9.8	70 - 130	30	
Naphthalene	ND	123	105	15.8	69	87	23.1	70 - 130	30	m
n-Butylbenzene	ND	112	109	2.7	95	101	6.1	70 - 130	30	
n-Propylbenzene	ND	103	103	0.0	107	110	2.8	70 - 130	30	
o-Xylene	ND	107	109	1.9	98	99	1.0	70 - 130	30	
p-Isopropyltoluene	ND	114	113	0.9	102	105	2.9	70 - 130	30	
sec-Butylbenzene	ND	107	105	1.9	107	110	2.8	70 - 130	30	
Styrene	ND	107	109	1.9	96	94	2.1	70 - 130	30	
tert-Butylbenzene	ND	107	106	0.9	108	111	2.7	70 - 130	30	
Tetrachloroethene	ND	107	110	2.8	102	105	2.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	103	14.6	101	86	16.0	70 - 130	30	
Toluene	ND	109	111	1.8	101	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	103	0.0	109	111	1.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	112	5.5	99	94	5.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	105	116	10.0	100	90	10.5	70 - 130	30	
Trichloroethene	ND	108	109	0.9	102	104	1.9	70 - 130	30	
Trichlorofluoromethane	ND	119	121	1.7	115	113	1.8	70 - 130	30	
Trichlorotrifluoroethane	ND	101	106	4.8	114	106	7.3	70 - 130	30	
Vinyl chloride	ND	103	101	2.0	115	117	1.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	98	100	2.0	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	98	99	100	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	100	100	100	0.0	100	101	1.0	70 - 130	30	
% Toluene-d8	101	101	101	0.0	101	100	1.0	70 - 130	30	

QA/QC Batch 197746, QC Sample No: BB60421 (BB59666)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	106	108	1.9	76	95	22.2	70 - 130	30	
1,1,1-Trichloroethane	ND	102	94	8.2	79	97	20.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	112	9.3	91	103	12.4	70 - 130	30	
1,1,2-Trichloroethane	ND	105	105	0.0	80	89	10.7	70 - 130	30	
1,1-Dichloroethane	ND	107	88	19.5	81	104	24.9	70 - 130	30	
1,1-Dichloroethene	ND	87	89	2.3	94	94	0.0	70 - 130	30	
1,1-Dichloropropene	ND	101	104	2.9	74	98	27.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	95	103	8.1	<40	<40	NC	70 - 130	30	m
1,2,3-Trichloropropane	ND	99	114	14.1	99	97	2.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	92	94	2.2	<40	<40	NC	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	98	102	4.0	68	85	22.2	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	112	124	10.2	85	90	5.7	70 - 130	30	
1,2-Dichlorobenzene	ND	94	95	1.1	44	63	35.5	70 - 130	30	m,r
1,2-Dichloroethane	ND	98	99	1.0	79	83	4.9	70 - 130	30	
1,2-Dichloropropane	ND	101	97	4.0	83	97	15.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	107	112	4.6	78	97	21.7	70 - 130	30	
1,3-Dichlorobenzene	ND	100	98	2.0	52	70	29.5	70 - 130	30	m

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichloropropane	ND	101	103	2.0	81	91	11.6	70 - 130	30	
1,4-Dichlorobenzene	ND	95	95	0.0	49	63	25.0	70 - 130	30	m
2,2-Dichloropropane	ND	101	90	11.5	82	99	18.8	70 - 130	30	
2-Chlorotoluene	ND	97	99	2.0	70	88	22.8	70 - 130	30	
2-Hexanone	ND	83	80	3.7	99	101	2.0	70 - 130	30	
2-Isopropyltoluene	ND	105	105	0.0	67	88	27.1	70 - 130	30	m
4-Chlorotoluene	ND	96	95	1.0	64	81	23.4	70 - 130	30	m
4-Methyl-2-pentanone	ND	98	105	6.9	101	95	6.1	70 - 130	30	
Acetone	ND	77	73	5.3	91	83	9.2	70 - 130	30	
Acrylonitrile	ND	109	91	18.0	85	97	13.2	70 - 130	30	
Benzene	ND	99	98	1.0	115	119	3.4	70 - 130	30	
Bromobenzene	ND	97	98	1.0	65	79	19.4	70 - 130	30	m
Bromochloromethane	ND	109	86	23.6	73	95	26.2	70 - 130	30	
Bromodichloromethane	ND	105	100	4.9	75	87	14.8	70 - 130	30	
Bromoform	ND	94	100	6.2	61	81	28.2	70 - 130	30	m
Bromomethane	ND	90	79	13.0	83	83	0.0	70 - 130	30	
Carbon Disulfide	ND	128	125	2.4	80	83	3.7	70 - 130	30	
Carbon tetrachloride	ND	112	88	24.0	78	93	17.5	70 - 130	30	
Chlorobenzene	ND	101	99	2.0	69	83	18.4	70 - 130	30	m
Chloroethane	ND	94	88	6.6	92	101	9.3	70 - 130	30	
Chloroform	ND	106	90	16.3	77	97	23.0	70 - 130	30	
Chloromethane	ND	88	84	4.7	99	98	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	111	87	24.2	75	97	25.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	100	4.9	73	81	10.4	70 - 130	30	
Dibromochloromethane	ND	101	104	2.9	71	84	16.8	70 - 130	30	
Dibromoethane	ND	103	102	1.0	67	76	12.6	70 - 130	30	m
Dibromomethane	ND	101	99	2.0	72	76	5.4	70 - 130	30	
Dichlorodifluoromethane	ND	80	72	10.5	93	113	19.4	70 - 130	30	
Ethylbenzene	ND	102	100	2.0	73	91	22.0	70 - 130	30	
Hexachlorobutadiene	ND	91	94	3.2	<40	53	NC	70 - 130	30	m
Isopropylbenzene	ND	101	103	2.0	87	102	15.9	70 - 130	30	
m&p-Xylene	ND	102	100	2.0	76	94	21.2	70 - 130	30	
Methyl ethyl ketone	ND	90	83	8.1	87	105	18.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	115	106	8.1	104	108	3.8	70 - 130	30	
Methylene chloride	ND	92	90	2.2	84	87	3.5	70 - 130	30	
Naphthalene	ND	98	112	13.3	NC	NC	NC	70 - 130	30	
n-Butylbenzene	ND	102	103	1.0	56	75	29.0	70 - 130	30	m
n-Propylbenzene	ND	99	100	1.0	83	99	17.6	70 - 130	30	
o-Xylene	ND	105	102	2.9	70	91	26.1	70 - 130	30	
p-Isopropyltoluene	ND	107	108	0.9	68	89	26.8	70 - 130	30	m
sec-Butylbenzene	ND	97	97	0.0	68	88	25.6	70 - 130	30	m
Styrene	ND	90	92	2.2	65	80	20.7	70 - 130	30	m
tert-Butylbenzene	ND	101	101	0.0	77	95	20.9	70 - 130	30	
Tetrachloroethene	ND	93	98	5.2	96	NC	NC	70 - 130	30	
Tetrahydrofuran (THF)	ND	103	91	12.4	84	101	18.4	70 - 130	30	
Toluene	ND	104	106	1.9	93	109	15.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	93	90	3.3	85	86	1.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	103	5.7	63	56	11.8	70 - 130	30	m
trans-1,4-dichloro-2-butene	ND	112	120	6.9	82	84	2.4	70 - 130	30	
Trichloroethene	ND	103	100	3.0	83	98	16.6	70 - 130	30	
Trichlorofluoromethane	ND	103	102	1.0	82	88	7.1	70 - 130	30	
Trichlorotrifluoroethane	ND	90	89	1.1	90	95	5.4	70 - 130	30	
Vinyl chloride	ND	91	87	4.5	98	100	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 1,2-dichlorobenzene-d4	95	94	98	4.2	95	96	1.0	70 - 130	30
% Bromofluorobenzene	98	104	100	3.9	88	97	9.7	70 - 130	30
% Dibromofluoromethane	89	109	89	20.2	101	116	13.8	70 - 130	30
% Toluene-d8	96	103	101	2.0	97	101	4.0	70 - 130	30

QA/QC Batch 197648, QC Sample No: BB60813 (BB59659, BB59661, BB59662, BB59664)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	108	113	4.5	99	105	5.9	70 - 130	30	
1,1,1-Trichloroethane	ND	108	101	6.7	90	106	16.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	114	7.3	97	103	6.0	70 - 130	30	
1,1,2-Trichloroethane	ND	109	108	0.9	90	98	8.5	70 - 130	30	
1,1-Dichloroethane	ND	112	95	16.4	84	108	25.0	70 - 130	30	
1,1-Dichloroethene	ND	103	103	0.0	92	99	7.3	70 - 130	30	
1,1-Dichloropropene	ND	112	106	5.5	95	107	11.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	107	10.8	81	82	1.2	70 - 130	30	
1,2,3-Trichloropropane	ND	99	108	8.7	89	95	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	90	99	9.5	79	83	4.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	116	105	10.0	93	99	6.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	117	6.2	88	90	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	97	100	3.0	86	94	8.9	70 - 130	30	
1,2-Dichloroethane	ND	101	104	2.9	87	94	7.7	70 - 130	30	
1,2-Dichloropropane	ND	106	106	0.0	91	100	9.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	114	114	0.0	101	109	7.6	70 - 130	30	
1,3-Dichlorobenzene	ND	103	103	0.0	90	99	9.5	70 - 130	30	
1,3-Dichloropropane	ND	104	108	3.8	89	97	8.6	70 - 130	30	
1,4-Dichlorobenzene	ND	99	100	1.0	88	96	8.7	70 - 130	30	
2,2-Dichloropropane	ND	106	97	8.9	84	97	14.4	70 - 130	30	
2-Chlorotoluene	ND	101	101	0.0	91	100	9.4	70 - 130	30	
2-Hexanone	ND	80	90	11.8	48	50	4.1	70 - 130	30	m
2-Isopropyltoluene	ND	108	109	0.9	99	109	9.6	70 - 130	30	
4-Chlorotoluene	ND	98	97	1.0	91	103	12.4	70 - 130	30	
4-Methyl-2-pentanone	ND	97	103	6.0	80	82	2.5	70 - 130	30	
Acetone	ND	80	91	12.9	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	111	97	13.5	76	91	18.0	70 - 130	30	
Benzene	ND	106	107	0.9	94	101	7.2	70 - 130	30	
Bromobenzene	ND	100	102	2.0	89	98	9.6	70 - 130	30	
Bromochloromethane	ND	112	91	20.7	80	105	27.0	70 - 130	30	
Bromodichloromethane	ND	107	106	0.9	91	100	9.4	70 - 130	30	
Bromoform	ND	85	84	1.2	81	85	4.8	70 - 130	30	
Bromomethane	ND	109	96	12.7	86	99	14.1	70 - 130	30	
Carbon Disulfide	ND	>150	>150	NC	93	97	4.2	70 - 130	30	l
Carbon tetrachloride	ND	105	98	6.9	85	106	22.0	70 - 130	30	
Chlorobenzene	ND	104	103	1.0	93	102	9.2	70 - 130	30	
Chloroethane	ND	109	101	7.6	90	103	13.5	70 - 130	30	
Chloroform	ND	107	99	7.8	85	102	18.2	70 - 130	30	
Chloromethane	ND	111	109	1.8	88	91	3.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	117	95	20.8	83	110	28.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	108	0.0	92	97	5.3	70 - 130	30	
Dibromochloromethane	ND	105	110	4.7	92	99	7.3	70 - 130	30	
Dibromoethane	ND	104	107	2.8	87	96	9.8	70 - 130	30	
Dibromomethane	ND	103	104	1.0	88	94	6.6	70 - 130	30	
Dichlorodifluoromethane	ND	118	104	12.6	78	93	17.5	70 - 130	30	
Ethylbenzene	ND	112	104	7.4	94	105	11.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachlorobutadiene	ND	93	94	1.1	87	88	1.1	70 - 130	30
Isopropylbenzene	ND	105	105	0.0	96	106	9.9	70 - 130	30
m&p-Xylene	ND	119	105	12.5	94	104	10.1	70 - 130	30
Methyl ethyl ketone	ND	92	94	2.2	44	45	2.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	108	110	1.8	89	96	7.6	70 - 130	30
Methylene chloride	ND	100	99	1.0	83	93	11.4	70 - 130	30
Naphthalene	ND	100	113	12.2	83	81	2.4	70 - 130	30
n-Butylbenzene	ND	105	104	1.0	92	103	11.3	70 - 130	30
n-Propylbenzene	ND	106	102	3.8	97	112	14.4	70 - 130	30
o-Xylene	ND	110	107	2.8	92	103	11.3	70 - 130	30
p-Isopropyltoluene	ND	111	110	0.9	96	106	9.9	70 - 130	30
sec-Butylbenzene	ND	101	101	0.0	94	104	10.1	70 - 130	30
Styrene	ND	89	84	5.8	82	92	11.5	70 - 130	30
tert-Butylbenzene	ND	104	104	0.0	96	106	9.9	70 - 130	30
Tetrachloroethene	ND	100	101	1.0	94	99	5.2	70 - 130	30
Tetrahydrofuran (THF)	ND	101	88	13.8	70	91	26.1	70 - 130	30
Toluene	ND	116	107	8.1	93	105	12.1	70 - 130	30
trans-1,2-Dichloroethene	ND	102	102	0.0	94	101	7.2	70 - 130	30
trans-1,3-Dichloropropene	ND	112	111	0.9	89	98	9.6	70 - 130	30
trans-1,4-dichloro-2-butene	ND	114	119	4.3	88	95	7.7	70 - 130	30
Trichloroethene	ND	106	107	0.9	94	102	8.2	70 - 130	30
Trichlorofluoromethane	ND	121	117	3.4	90	94	4.3	70 - 130	30
Trichlorotrifluoroethane	ND	102	98	4.0	92	99	7.3	70 - 130	30
Vinyl chloride	ND	113	107	5.5	87	97	10.9	70 - 130	30
% 1,2-dichlorobenzene-d4	96	94	98	4.2	96	95	1.0	70 - 130	30
% Bromofluorobenzene	101	103	99	4.0	96	100	4.1	70 - 130	30
% Dibromofluoromethane	91	109	91	18.0	93	107	14.0	70 - 130	30
% Toluene-d8	95	102	100	2.0	98	101	3.0	70 - 130	30

QA/QC Batch 197740, QC Sample No: BB60872 (BB59663, BB59667)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	110	104	5.6	100	104	3.9	70 - 130	30
1,1,1-Trichloroethane	ND	109	106	2.8	112	119	6.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	105	91	14.3	106	97	8.9	70 - 130	30
1,1,2-Trichloroethane	ND	112	103	8.4	102	99	3.0	70 - 130	30
1,1-Dichloroethane	ND	109	105	3.7	112	114	1.8	70 - 130	30
1,1-Dichloroethene	ND	102	99	3.0	115	116	0.9	70 - 130	30
1,1-Dichloropropene	ND	106	103	2.9	109	117	7.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	94	96	2.1	68	71	4.3	70 - 130	30
1,2,3-Trichloropropane	ND	111	99	11.4	113	99	13.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	84	81	3.6	69	68	1.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	103	98	5.0	48	51	6.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	112	102	9.3	111	101	9.4	70 - 130	30
1,2-Dichlorobenzene	ND	98	94	4.2	90	91	1.1	70 - 130	30
1,2-Dichloroethane	ND	108	101	6.7	104	100	3.9	70 - 130	30
1,2-Dichloropropane	ND	111	105	5.6	103	106	2.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	105	100	4.9	91	96	5.3	70 - 130	30
1,3-Dichlorobenzene	ND	94	91	3.2	78	80	2.5	70 - 130	30
1,3-Dichloropropane	ND	110	103	6.6	103	100	3.0	70 - 130	30
1,4-Dichlorobenzene	ND	92	88	4.4	56	57	1.8	70 - 130	30
2,2-Dichloropropane	ND	99	97	2.0	101	105	3.9	70 - 130	30
2-Chlorotoluene	ND	100	96	4.1	100	104	3.9	70 - 130	30
2-Hexanone	ND	69	72	4.3	45	44	2.2	70 - 130	30

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Isopropyltoluene	ND	100	99	1.0	101	106	4.8	70 - 130	30	
4-Chlorotoluene	ND	94	90	4.3	96	99	3.1	70 - 130	30	
4-Methyl-2-pentanone	ND	99	90	9.5	88	75	16.0	70 - 130	30	
Acetone	ND	70	79	12.1	42	42	0.0	70 - 130	30	m
Acrylonitrile	ND	109	99	9.6	83	72	14.2	70 - 130	30	
Benzene	ND	107	105	1.9	105	109	3.7	70 - 130	30	
Bromobenzene	ND	104	100	3.9	98	100	2.0	70 - 130	30	
Bromochloromethane	ND	110	104	5.6	110	105	4.7	70 - 130	30	
Bromodichloromethane	ND	112	105	6.5	102	102	0.0	70 - 130	30	
Bromoform	ND	111	100	10.4	98	92	6.3	70 - 130	30	
Bromomethane	ND	116	99	15.8	122	109	11.3	70 - 130	30	
Carbon Disulfide	ND	103	98	5.0	76	75	1.3	70 - 130	30	
Carbon tetrachloride	ND	112	98	13.3	109	108	0.9	70 - 130	30	
Chlorobenzene	ND	102	99	3.0	52	55	5.6	70 - 130	30	m
Chloroethane	ND	108	105	2.8	116	118	1.7	70 - 130	30	
Chloroform	ND	111	107	3.7	109	112	2.7	70 - 130	30	
Chloromethane	ND	95	102	7.1	110	126	13.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	106	0.9	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	105	99	5.9	96	94	2.1	70 - 130	30	
Dibromochloromethane	ND	110	101	8.5	98	98	0.0	70 - 130	30	
Dibromoethane	ND	112	103	8.4	105	100	4.9	70 - 130	30	
Dibromomethane	ND	115	105	9.1	107	102	4.8	70 - 130	30	
Dichlorodifluoromethane	ND	93	89	4.4	121	129	6.4	70 - 130	30	
Ethylbenzene	ND	105	101	3.9	86	92	6.7	70 - 130	30	
Hexachlorobutadiene	ND	89	96	7.6	88	97	9.7	70 - 130	30	
Isopropylbenzene	ND	105	101	3.9	109	115	5.4	70 - 130	30	
m&p-Xylene	ND	102	99	3.0	74	78	5.3	70 - 130	30	
Methyl ethyl ketone	ND	69	76	9.7	50	42	17.4	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	101	103	2.0	96	92	4.3	70 - 130	30	
Methylene chloride	ND	106	100	5.8	104	99	4.9	70 - 130	30	
Naphthalene	ND	101	114	12.1	82	74	10.3	70 - 130	30	
n-Butylbenzene	ND	96	92	4.3	88	90	2.2	70 - 130	30	
n-Propylbenzene	ND	96	93	3.2	102	107	4.8	70 - 130	30	
o-Xylene	ND	104	101	2.9	85	90	5.7	70 - 130	30	
p-Isopropyltoluene	ND	104	100	3.9	96	101	5.1	70 - 130	30	
sec-Butylbenzene	ND	100	98	2.0	106	113	6.4	70 - 130	30	
Styrene	ND	105	99	5.9	92	91	1.1	70 - 130	30	
tert-Butylbenzene	ND	103	102	1.0	108	115	6.3	70 - 130	30	
Tetrachloroethene	ND	101	96	5.1	103	108	4.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	105	90	15.4	108	88	20.4	70 - 130	30	
Toluene	ND	107	105	1.9	105	108	2.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	104	0.0	107	113	5.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	105	98	6.9	94	91	3.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	88	10.8	90	80	11.8	70 - 130	30	
Trichloroethene	ND	111	108	2.7	104	109	4.7	70 - 130	30	
Trichlorofluoromethane	ND	124	119	4.1	118	120	1.7	70 - 130	30	
Trichlorotrifluoroethane	ND	105	96	9.0	117	116	0.9	70 - 130	30	
Vinyl chloride	ND	102	103	1.0	119	127	6.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	98	98	0.0	102	98	4.0	70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0	98	98	0.0	70 - 130	30	
% Dibromofluoromethane	92	99	99	0.0	103	102	1.0	70 - 130	30	
% Toluene-d8	101	101	101	0.0	101	100	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB59659

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

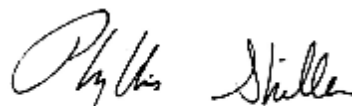
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director
April 16, 2012

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59659	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB59659	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1900	10	ug/Kg
BB59659	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59659	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	6000	5	ug/Kg
BB59659	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	200	10	ug/Kg
BB59659	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	2700	5	ug/Kg
BB59659	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59659	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	5	ug/Kg
BB59659	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	300	10	ug/Kg
BB59659	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	800	5	ug/Kg
BB59659	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59659	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	60	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59659	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	700	5	ug/Kg
BB59659	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	7000	1000	10	ug/Kg
BB59659	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	4100	1400	1500	5	ug/Kg
BB59659	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1400	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59659	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400		5	ug/Kg
BB59659	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1700	5	ug/Kg
BB59659	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	9200	1400	5500	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59659	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59659	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	5200	1400	3400	330	ug/Kg
BB59659	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	42000	1400	1200		ug/Kg
BB59659	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	30	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	370	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	200	330	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	220	330	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	240	330	ug/Kg
BB59659	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	100	330	ug/Kg
BB59659	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	500	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	200	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	600	430	1600	ug/Kg
BB59659	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	61	330	ug/Kg
BB59659	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	224	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59659	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	260	14	330	ug/Kg
BB59660	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59660	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59660	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59660	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg
BB59660	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59660	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg
BB59660	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59660	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59660	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59660	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59660	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59660	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59660	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59660	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59660	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59660	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59660	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59660	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59660	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	500	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	200	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	980	100	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	540	430	1600	ug/Kg
BB59660	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59660	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59661	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59661	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59661	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59661	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59661	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59661	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg
BB59661	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59661	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59661	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59661	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59661	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59661	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59661	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1500	5	ug/Kg
BB59661	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59661	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2		5	ug/Kg
BB59661	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59661	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	5500	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59661	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59661	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59661	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59661	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59661	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59661	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59661	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59662	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	10	ug/Kg
BB59662	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1900	10	ug/Kg
BB59662	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59662	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	6000	5	ug/Kg
BB59662	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	200	10	ug/Kg
BB59662	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	2700	5	ug/Kg
BB59662	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59662	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	5	ug/Kg
BB59662	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	300	10	ug/Kg
BB59662	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	800	5	ug/Kg
BB59662	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59662	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	60	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59662	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	700	5	ug/Kg
BB59662	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	1000	10	ug/Kg
BB59662	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1500	5	ug/Kg
BB59662	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1400	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59662	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130		5	ug/Kg
BB59662	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1700	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59662	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59662	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	1280	130	1200		ug/Kg
BB59662	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59662	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59662	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59662	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59662	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	480	240	224	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Chrysene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	590	240	400	330	ug/Kg
BB59662	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59663	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59663	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	6000	5	ug/Kg
BB59663	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	200	10	ug/Kg
BB59663	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	2700	5	ug/Kg
BB59663	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59663	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	200	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59663	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	300	10	ug/Kg
BB59663	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	800	5	ug/Kg
BB59663	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59663	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	60	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	100	5	ug/Kg
BB59663	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	700	5	ug/Kg
BB59663	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	26	1000	10	ug/Kg
BB59663	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1400	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	300	5	ug/Kg
BB59663	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2		5	ug/Kg
BB59663	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	1700	5	ug/Kg
BB59663	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	5500	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	600	5	ug/Kg
BB59663	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.2	400	5	ug/Kg
BB59663	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	340	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59663	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59663	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59663	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	500	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	200	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	990	100	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	550	430	1600	ug/Kg
BB59663	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59663	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59664	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59664	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	6000	5	ug/Kg
BB59664	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	200	10	ug/Kg
BB59664	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	2700	5	ug/Kg
BB59664	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59664	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	200	5	ug/Kg
BB59664	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	300	10	ug/Kg
BB59664	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	800	5	ug/Kg
BB59664	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59664	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	60	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59664	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	700	5	ug/Kg
BB59664	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	1000	10	ug/Kg
BB59664	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1500	5	ug/Kg
BB59664	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1400	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59664	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3		5	ug/Kg
BB59664	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1700	5	ug/Kg
BB59664	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	5500	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59664	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59664	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	350	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB59664	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59664	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59664	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB59664	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB59665	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	10	ug/Kg
BB59665	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1900	10	ug/Kg
BB59665	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59665	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	6000	5	ug/Kg
BB59665	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	200	10	ug/Kg
BB59665	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	2700	5	ug/Kg
BB59665	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59665	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	200	5	ug/Kg
BB59665	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	300	10	ug/Kg
BB59665	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	800	5	ug/Kg
BB59665	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59665	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	60	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	100	5	ug/Kg
BB59665	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	700	5	ug/Kg
BB59665	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	6900	1000	10	ug/Kg
BB59665	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	6200	1400	1500	5	ug/Kg
BB59665	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1400	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	300	5	ug/Kg
BB59665	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400		5	ug/Kg
BB59665	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	1700	5	ug/Kg
BB59665	EMCI	\$8260SMR	Ethylbenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	13000	1400	5500	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	600	5	ug/Kg
BB59665	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	1400	400	5	ug/Kg
BB59665	EMCI	\$8260SMR	Naphthalene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	15000	1400	3400	330	ug/Kg
BB59665	EMCI	\$8260SMR	Total Xylenes	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	74000	1400	1200		ug/Kg
BB59665	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	30	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	360	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	200	330	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	220	330	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Chloro-3-methylphenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	240	330	ug/Kg
BB59665	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	100	330	ug/Kg
BB59665	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	500	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	200	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1100	100	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	580	430	1600	ug/Kg
BB59665	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	61	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	224	330	ug/Kg
BB59665	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	250	14	330	ug/Kg
BB59666	EMCI	\$8260SMR	Vinyl chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	10	ug/Kg
BB59666	EMCI	\$8260SMR	Chloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1900	10	ug/Kg
BB59666	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59666	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	6000	5	ug/Kg
BB59666	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	200	10	ug/Kg
BB59666	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	2700	5	ug/Kg
BB59666	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59666	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	200	5	ug/Kg
BB59666	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	300	10	ug/Kg
BB59666	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59666	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	800	5	ug/Kg
BB59666	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59666	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	60	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	100	5	ug/Kg
BB59666	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	700	5	ug/Kg
BB59666	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	660	1000	10	ug/Kg
BB59666	EMCI	\$8260SMR	Toluene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1500	5	ug/Kg
BB59666	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1400	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	300	5	ug/Kg
BB59666	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130		5	ug/Kg
BB59666	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	1700	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	600	5	ug/Kg
BB59666	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	130	400	5	ug/Kg
BB59666	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59666	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59666	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59666	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59666	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59666	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg
BB59667	EMCI	\$8260SMR	1,1-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59667	EMCI	\$8260SMR	Trichlorotrifluoroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	6000	5	ug/Kg
BB59667	EMCI	\$8260SMR	Acetone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	200	10	ug/Kg
BB59667	EMCI	\$8260SMR	Carbon Disulfide	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	11	2700	5	ug/Kg
BB59667	EMCI	\$8260SMR	Methylene chloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg
BB59667	EMCI	\$8260SMR	trans-1,2-Dichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	200	5	ug/Kg
BB59667	EMCI	\$8260SMR	Methyl Ethyl Ketone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	300	10	ug/Kg
BB59667	EMCI	\$8260SMR	Chloroform	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1,1-Trichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	800	5	ug/Kg
BB59667	EMCI	\$8260SMR	Carbon tetrachloride	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59667	EMCI	\$8260SMR	Benzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	60	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,2-Dichloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	100	5	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: TAGS

GBB59659

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB59667	EMCI	\$8260SMR	Trichloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	700	5	ug/Kg
BB59667	EMCI	\$8260SMR	4-Methyl-2-pentanone	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	27	1000	10	ug/Kg
BB59667	EMCI	\$8260SMR	Tetrachloroethene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1400	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,3-Dichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	300	5	ug/Kg
BB59667	EMCI	\$8260SMR	Dibromochloromethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3		5	ug/Kg
BB59667	EMCI	\$8260SMR	Chlorobenzene	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	1700	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,1,2,2-Tetrachloroethane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	600	5	ug/Kg
BB59667	EMCI	\$8260SMR	1,2,3-Trichloropropane	mg/kg	NY	Tagm - Volatile Organics	Soil Standards	ND	5.3	400	5	ug/Kg
BB59667	EMCI	\$8270-SMR	Phenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	30	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Aniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	350	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Nitrobenzene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	200	330	ug/Kg
BB59667	EMCI	\$8270-SMR	4-Chloroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	220	330	ug/Kg
BB59667	EMCI	\$8270-SMR	2,4,5-Trichlorophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	100	330	ug/Kg
BB59667	EMCI	\$8270-SMR	3-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	500	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	2,4-Dinitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	200	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	4-Nitrophenol	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	1000	100	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	2-Nitroaniline	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	560	430	1600	ug/Kg
BB59667	EMCI	\$8270-SMR	Bis(2-ethylhexyl)phthalate	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	61	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Benz(a)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	224	330	ug/Kg
BB59667	EMCI	\$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	Tagm - Semi-volatiles	Soil Standards	ND	240	14	330	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Client Services (860) 645-8726

Temp L Pg 1 of 1

Data Delivery:

☒ Fax # 914-232-7355

☒ Email: rstumbo@enviromain.com

Customer: Environmental Maintenance Contractors, Inc.

Address: 5 Anderson Lane,
Goldens Bridge, NY 10526

Project: 1676 Third Ave., NYC, NY - Sidewalk

Report to: Richard Stumbo

Invoice to: Environmental Maintenance Contractors, Inc.

Project P.O.:

Phone #: (914) 232-7355

Fax #: (914) 232-7357

Client Sample - Information - Identification

Sampler's Signature Joffre Marin Date: 03/27/12

Matrix Code:
WW=wastewater S=soil/solid Q=oil
SL=sludge A=air X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
59659	SBH-1	S	3/26/2012	10:35 AM
59660	SBC-1	S	3/26/2012	10:15 AM
59661	SBD-1	S	3/26/2012	10:45 AM
59662	SBH-2	S	3/26/2012	1:30 PM
59663	SBC-2	S	3/26/2012	1:00 PM
59664	SBD-2	S	3/26/2012	1:40 PM
59665	SBH-3	S	3/27/2012	12:40 PM
59666	SBC-3	S	3/27/2012	12:55 PM
59667	SBD-3	S	3/27/2012	12:45 PM

Analysis Request

US EPA METHOD 8260 (VOC)

US EPA METHOD 8270 (SVOC)

Soil VOC [Methanol] [S. Butylate] [H2O]
GL soil container (8) oz
GL Amber 100ml Vial [As is] [HCl]
PL As is [] 250ml [] 500ml [] 1000ml
PL H2SO4 [] 250ml [] 500ml [] 1000ml
PL HNO3 250ml
PL NaOH 250ml
Bacteria Bottle

Relinquished by: Joffre Marin Accepted by: Floyd Sns Date: 3/27/2012 Time: 4:00PM

Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☒ Standard ☐ Other

Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil Cleanup Criteria ☐ GW Criteria

NY TAGM 4046 GW ☒ TAGM 4046 SOIL ☐ NY375 Unrestricted Soil ☐ NY375 Residential Soil ☐ NY375 Restricted Non-Residential Soil

Data Format ☒ Phoenix Std Report ☒ Excel ☒ PDF ☐ GIS/Key ☐ EQUIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other

Data Package ☐ NJ Reduced Deliv. * ☐ NY Enhanced (ASP B) * ☐ Other

Comments, Special Requirements or Regulations:

State where samples were collected: NY



Thursday, April 19, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE., NYC, NY
Sample ID#s: BB71497 - BB71498

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 19, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
04/11/12 15:00
04/12/12 16:36

Laboratory Data

SDG ID: GBB71497
Phoenix ID: BB71497

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: MW-B

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			04/12/12		R/K	SW3520
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	20	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	20	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	10	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	20	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	20	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	20	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	20	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	20	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	150	20	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	20	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	12	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	20	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	52	20	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	20	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	20	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	20	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	100	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	20	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	20	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	100	ug/L	04/15/12		R/T	SW8260

Client ID: MW-B

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	500	ug/L	04/15/12		R/T	SW8260
Acrylonitrile	ND	100	ug/L	04/15/12		R/T	SW8260
Benzene	ND	14	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	20	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	10	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	20	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	20	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	100	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	20	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	20	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	20	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	20	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	20	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	20	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	10	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	10	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	20	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	20	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	20	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	270	20	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	8.0	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	40	20	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	230	20	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	100	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	20	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	20	ug/L	04/15/12		R/T	SW8260
Naphthalene	48	20	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	35	20	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	120	20	ug/L	04/15/12		R/T	SW8260
o-Xylene	90	20	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	ND	20	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	ND	20	ug/L	04/15/12		R/T	SW8260
Styrene	ND	20	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	20	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	20	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	100	ug/L	04/15/12		R/T	SW8260
Toluene	47	20	ug/L	04/15/12		R/T	SW8260
Total Xylenes	320	20	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	20	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	10	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	100	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	20	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	20	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	20	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	20	ug/L	04/15/12		R/T	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	89		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	04/15/12		R/T	70 - 130 %

Client ID: MW-B

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	93		%	04/15/12		R/T	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2,4-Trichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,3-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,4-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dimethylphenol	10	10	ug/L	04/14/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2,6-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chloronaphthalene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2-Methylnaphthalene	54	10	ug/L	04/14/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	04/14/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	04/14/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	04/14/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	20	ug/L	04/14/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	04/14/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	04/14/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	04/14/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
Acenaphthene	ND	10	ug/L	04/14/12		DD	SW8270
Acenaphthylene	ND	10	ug/L	04/14/12		DD	SW8270
Acetophenone	ND	10	ug/L	04/14/12		DD	SW8270
Aniline	ND	50	ug/L	04/14/12		DD	SW8270
Anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Azobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Benz(a)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Benzidine	ND	20	ug/L	04/14/12		DD	SW8270
Benzo(a)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(b)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(ghi)perylene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(k)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzoic acid	ND	50	ug/L	04/14/12		DD	SW8270
Benzyl butyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-ethylhexyl)phthalate	11	10	ug/L	04/14/12		DD	SW8270
Carbazole	ND	50	ug/L	04/14/12		DD	SW8270
Chrysene	ND	10	ug/L	04/14/12		DD	SW8270

LO

1

1P

Client ID: MW-B

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Dibenzofuran	ND	10	ug/L	04/14/12		DD	SW8270
Diethyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Dimethylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-butylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-octylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Fluorene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobutadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorocyclopentadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachloroethane	ND	10	ug/L	04/14/12		DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Isophorone	ND	10	ug/L	04/14/12		DD	SW8270
Naphthalene	49	10	ug/L	04/14/12		DD	SW8270
Nitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodimethylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodiphenylamine	ND	10	ug/L	04/14/12		DD	SW8270
Pentachloronitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Pentachlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
Phenanthrene	ND	10	ug/L	04/14/12		DD	SW8270
Phenol	ND	10	ug/L	04/14/12		DD	SW8270
Pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Pyridine	ND	10	ug/L	04/14/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Phenol-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Terphenyl-d14	*Diluted Out		%	04/14/12		DD	15 - 130 %

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1O = This parameter is not certified by NY NELAC for this matrix.

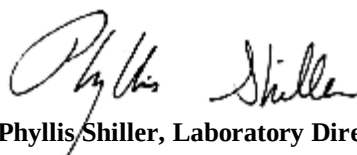
Comments:

* Due to matrix interference and/or the presence of a large amount of non-target material in the sample an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 19, 2012

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 19, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

04/11/12
04/12/12

Time

0:00
16:36

Laboratory Data

SDG ID: GBB71497
Phoenix ID: BB71498

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/15/12		R/T	SW8260
Acetone	ND	25	ug/L	04/15/12		R/T	SW8260

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.0	ug/L	04/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	87		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	99		%	04/15/12		R/T	70 - 130 %
% Toluene-d8	95		%	04/15/12		R/T	70 - 130 %

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference

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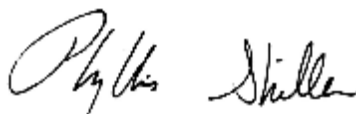
Comments:

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 19, 2012

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

April 19, 2012

QA/QC Data

SDG I.D.: GBB71497

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 198156, QC Sample No: BB70278 (BB71497)									
Semivolatiles - Ground Water									
1,2,4,5-Tetrachlorobenzene	ND	58	59	1.7				30 - 130	20
1,2,4-Trichlorobenzene	ND	83	83	0.0				30 - 130	20
1,2-Dichlorobenzene	ND	80	81	1.2				30 - 130	20
1,3-Dichlorobenzene	ND	77	77	0.0				30 - 130	20
1,4-Dichlorobenzene	ND	82	79	3.7				30 - 130	20
2,4,5-Trichlorophenol	ND	91	88	3.4				30 - 130	20
2,4,6-Trichlorophenol	ND	97	95	2.1				30 - 130	20
2,4-Dichlorophenol	ND	86	88	2.3				30 - 130	20
2,4-Dimethylphenol	ND	41	41	0.0				30 - 130	20
2,4-Dinitrophenol	ND	52	49	5.9				30 - 130	20
2,4-Dinitrotoluene	ND	95	95	0.0				30 - 130	20
2,6-Dinitrotoluene	ND	98	97	1.0				30 - 130	20
2-Chloronaphthalene	ND	94	96	2.1				30 - 130	20
2-Chlorophenol	ND	73	73	0.0				30 - 130	20
2-Methylnaphthalene	ND	90	90	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	70	67	4.4				30 - 130	20
2-Nitroaniline	ND	>150	>150	NC				30 - 130	20
2-Nitrophenol	ND	81	79	2.5				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	73	75	2.7				30 - 130	20
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	66	64	3.1				30 - 130	20
4-Bromophenyl phenyl ether	ND	91	90	1.1				30 - 130	20
4-Chloro-3-methylphenol	ND	100	100	0.0				30 - 130	20
4-Chloroaniline	ND	51	50	2.0				30 - 130	20
4-Chlorophenyl phenyl ether	ND	100	103	3.0				30 - 130	20
4-Nitroaniline	ND	96	98	2.1				30 - 130	20
4-Nitrophenol	ND	89	90	1.1				30 - 130	20
Acenaphthene	ND	96	97	1.0				30 - 130	20
Acenaphthylene	ND	91	91	0.0				30 - 130	20
Acetophenone	ND	47	47	0.0				30 - 130	20
Aniline	ND	N/A	N/A	NC				30 - 130	20
Anthracene	ND	93	92	1.1				30 - 130	20
Azobenzene	ND	50	50	0.0				30 - 130	20
Benz(a)anthracene	ND	94	94	0.0				30 - 130	20
Benzidine	ND	N/A	N/A	NC				30 - 130	20
Benzo(a)pyrene	ND	90	88	2.2				30 - 130	20
Benzo(b)fluoranthene	ND	91	94	3.2				30 - 130	20
Benzo(ghi)perylene	ND	91	93	2.2				30 - 130	20
Benzo(k)fluoranthene	ND	105	100	4.9				30 - 130	20
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20

QA/QC Data

SDG I.D.: GBB71497

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	84	84	0.0				30 - 130	20
Bis(2-chloroethoxy)methane	ND	84	84	0.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	71	71	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	80	80	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	93	90	3.3				30 - 130	20
Carbazole	ND	117	116	0.9				30 - 130	20
Chrysene	ND	97	97	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	94	92	2.2				30 - 130	20
Dibenzofuran	ND	96	95	1.0				30 - 130	20
Diethyl phthalate	ND	97	97	0.0				30 - 130	20
Dimethylphthalate	ND	96	96	0.0				30 - 130	20
Di-n-butylphthalate	ND	100	96	4.1				30 - 130	20
Di-n-octylphthalate	ND	98	98	0.0				30 - 130	20
Fluoranthene	ND	100	99	1.0				30 - 130	20
Fluorene	ND	101	101	0.0				30 - 130	20
Hexachlorobenzene	ND	98	96	2.1				30 - 130	20
Hexachlorobutadiene	ND	92	93	1.1				30 - 130	20
Hexachlorocyclopentadiene	ND	69	70	1.4				30 - 130	20
Hexachloroethane	ND	86	85	1.2				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	92	94	2.2				30 - 130	20
Isophorone	ND	66	67	1.5				30 - 130	20
Naphthalene	ND	90	91	1.1				30 - 130	20
Nitrobenzene	ND	92	89	3.3				30 - 130	20
N-Nitrosodimethylamine	ND	52	48	8.0				30 - 130	20
N-Nitrosodi-n-propylamine	ND	92	89	3.3				30 - 130	20
N-Nitrosodiphenylamine	ND	97	98	1.0				30 - 130	20
Pentachloronitrobenzene	ND	109	107	1.9				30 - 130	20
Pentachlorophenol	ND	85	82	3.6				30 - 130	20
Phenanthrene	ND	101	101	0.0				30 - 130	20
Phenol	ND	67	66	1.5				30 - 130	20
Pyrene	ND	103	104	1.0				30 - 130	20
Pyridine	ND	<5	<5	NC				30 - 130	20
% 2,4,6-Tribromophenol	112	92	89	3.3				15 - 130	20
% 2-Fluorobiphenyl	69	86	86	0.0				30 - 130	20
% 2-Fluorophenol	75	59	57	3.4				15 - 130	20
% Nitrobenzene-d5	83	86	84	2.4				30 - 130	20
% Phenol-d5	74	58	58	0.0				15 - 130	20
% Terphenyl-d14	96	111	108	2.7				30 - 130	20

QA/QC Batch 198445, QC Sample No: BB71382 (BB71497, BB71498)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	129	127	1.6	127	118	7.3	70 - 130	30
1,1,1-Trichloroethane	ND	95	93	2.1	96	86	11.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	96	96	0.0	96	98	2.1	70 - 130	30
1,1,2-Trichloroethane	ND	90	91	1.1	88	89	1.1	70 - 130	30
1,1-Dichloroethane	ND	86	85	1.2	87	79	9.6	70 - 130	30
1,1-Dichloroethene	ND	86	85	1.2	96	84	13.3	70 - 130	30
1,1-Dichloropropene	ND	97	95	2.1	99	90	9.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	83	89	7.0	83	84	1.2	70 - 130	30
1,2,3-Trichloropropane	ND	94	90	4.3	92	90	2.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	88	90	2.2	91	89	2.2	70 - 130	30
1,2,4-Trimethylbenzene	ND	106	105	0.9	109	104	4.7	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	87	87	0.0	78	83	6.2	70 - 130	30

QA/QC Data

SDG I.D.: GBB71497

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	97	96	1.0	100	96	4.1	70 - 130	30	
1,2-Dichloroethane	ND	93	92	1.1	88	84	4.7	70 - 130	30	
1,2-Dichloropropane	ND	87	87	0.0	89	83	7.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	106	105	0.9	105	99	5.9	70 - 130	30	
1,3-Dichlorobenzene	ND	98	100	2.0	102	97	5.0	70 - 130	30	
1,3-Dichloropropane	ND	91	92	1.1	91	87	4.5	70 - 130	30	
1,4-Dichlorobenzene	ND	95	95	0.0	99	95	4.1	70 - 130	30	
2,2-Dichloropropane	ND	95	94	1.1	78	68	13.7	70 - 130	30	m
2-Chlorotoluene	ND	98	99	1.0	102	96	6.1	70 - 130	30	
2-Hexanone	ND	84	85	1.2	79	78	1.3	70 - 130	30	
2-Isopropyltoluene	ND	105	104	1.0	106	100	5.8	70 - 130	30	
4-Chlorotoluene	ND	99	98	1.0	105	99	5.9	70 - 130	30	
4-Methyl-2-pentanone	ND	80	81	1.2	76	76	0.0	70 - 130	30	
Acetone	ND	94	87	7.7	83	80	3.7	70 - 130	30	
Acrylonitrile	ND	85	84	1.2	81	77	5.1	70 - 130	30	
Benzene	ND	94	93	1.1	97	91	6.4	70 - 130	30	
Bromobenzene	ND	93	94	1.1	96	92	4.3	70 - 130	30	
Bromochloromethane	ND	95	96	1.0	95	89	6.5	70 - 130	30	
Bromodichloromethane	ND	99	96	3.1	93	87	6.7	70 - 130	30	
Bromoform	ND	143	146	2.1	129	129	0.0	70 - 130	30	l
Bromomethane	ND	91	90	1.1	67	70	4.4	70 - 130	30	m
Carbon Disulfide	ND	132	134	1.5	135	120	11.8	70 - 130	30	l,m
Carbon tetrachloride	ND	108	106	1.9	104	95	9.0	70 - 130	30	
Chlorobenzene	ND	106	106	0.0	112	104	7.4	70 - 130	30	
Chloroethane	ND	88	88	0.0	82	79	3.7	70 - 130	30	
Chloroform	ND	90	89	1.1	90	82	9.3	70 - 130	30	
Chloromethane	ND	87	87	0.0	88	78	12.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	88	86	2.3	91	86	5.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	93	94	1.1	93	87	6.7	70 - 130	30	
Dibromochloromethane	ND	107	106	0.9	104	100	3.9	70 - 130	30	
Dibromoethane	ND	93	94	1.1	95	93	2.1	70 - 130	30	
Dibromomethane	ND	96	97	1.0	94	90	4.3	70 - 130	30	
Dichlorodifluoromethane	ND	86	90	4.5	87	74	16.1	70 - 130	30	
Ethylbenzene	ND	115	112	2.6	118	110	7.0	70 - 130	30	
Hexachlorobutadiene	ND	87	90	3.4	93	86	7.8	70 - 130	30	
Isopropylbenzene	ND	102	103	1.0	110	102	7.5	70 - 130	30	
m&p-Xylene	ND	110	109	0.9	112	106	5.5	70 - 130	30	
Methyl ethyl ketone	ND	73	77	5.3	64	65	1.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	91	95	4.3	81	77	5.1	70 - 130	30	
Methylene chloride	ND	78	77	1.3	79	72	9.3	70 - 130	30	
Naphthalene	ND	79	85	7.3	81	86	6.0	70 - 130	30	
n-Butylbenzene	ND	101	100	1.0	102	96	6.1	70 - 130	30	
n-Propylbenzene	ND	94	94	0.0	99	94	5.2	70 - 130	30	
o-Xylene	ND	110	110	0.0	110	102	7.5	70 - 130	30	
p-Isopropyltoluene	ND	109	108	0.9	107	101	5.8	70 - 130	30	
sec-Butylbenzene	ND	102	102	0.0	106	101	4.8	70 - 130	30	
Styrene	ND	114	115	0.9	112	107	4.6	70 - 130	30	
tert-Butylbenzene	ND	101	99	2.0	103	97	6.0	70 - 130	30	
Tetrachloroethene	ND	101	99	2.0	107	97	9.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	74	76	2.7	75	71	5.5	70 - 130	30	
Toluene	ND	96	96	0.0	102	94	8.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	90	87	3.4	94	84	11.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	101	1.0	95	90	5.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBB71497

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,4-dichloro-2-butene	ND	107	117	8.9	93	92	1.1	70 - 130	30
Trichloroethene	ND	102	101	1.0	107	98	8.8	70 - 130	30
Trichlorofluoromethane	ND	107	108	0.9	95	82	14.7	70 - 130	30
Trichlorotrifluoroethane	ND	92	92	0.0	99	85	15.2	70 - 130	30
Vinyl chloride	ND	84	83	1.2	85	76	11.2	70 - 130	30
% 1,2-dichlorobenzene-d4	97	100	98	2.0	98	100	2.0	70 - 130	30
% Bromofluorobenzene	88	97	97	0.0	92	92	0.0	70 - 130	30
% Dibromofluoromethane	100	102	100	2.0	101	101	0.0	70 - 130	30
% Toluene-d8	94	96	95	1.0	97	97	0.0	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director

April 19, 2012



Wednesday, April 18, 2012

Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Project ID: 1676 THIRD AVE., NYC, NY
Sample ID#s: BB71379 - BB71382

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 18, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
04/11/12 12:45
04/12/12 15:42

Laboratory Data

SDG ID: GBB71379
Phoenix ID: BB71379

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			04/12/12		R/K	SW3520
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	25	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	1100	50	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	30	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	500	50	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	250	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	250	ug/L	04/15/12		R/T	SW8260

Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	1300	ug/L	04/15/12		R/T	SW8260
Acrylonitrile	ND	250	ug/L	04/15/12		R/T	SW8260
Benzene	1500	35	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	50	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	250	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	50	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	50	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	720	50	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	20	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	87	50	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	2100	50	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	250	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	50	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	50	ug/L	04/15/12		R/T	SW8260
Naphthalene	160	50	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	74	50	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	240	50	ug/L	04/15/12		R/T	SW8260
o-Xylene	980	50	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	ND	50	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Styrene	ND	50	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	250	ug/L	04/15/12		R/T	SW8260
Toluene	900	50	ug/L	04/15/12		R/T	SW8260
Total Xylenes	3080	50	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	250	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	50	ug/L	04/15/12		R/T	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	91		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	04/15/12		R/T	70 - 130 %

Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	94		%	04/15/12		R/T	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2,4-Trichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,3-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,4-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dimethylphenol	61	10	ug/L	04/14/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2,6-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chloronaphthalene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2-Methylnaphthalene	83	10	ug/L	04/14/12		DD	SW8270
2-Methylphenol (o-cresol)	35	10	ug/L	04/14/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	04/14/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	46	10	ug/L	04/14/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	20	ug/L	04/14/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	04/14/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	04/14/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	04/14/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
Acenaphthene	ND	10	ug/L	04/14/12		DD	SW8270
Acenaphthylene	ND	10	ug/L	04/14/12		DD	SW8270
Acetophenone	ND	10	ug/L	04/14/12		DD	SW8270
Aniline	ND	50	ug/L	04/14/12		DD	SW8270
Anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Azobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Benz(a)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Benzidine	ND	20	ug/L	04/14/12		DD	SW8270
Benzo(a)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(b)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(ghi)perylene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(k)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzoic acid	ND	50	ug/L	04/14/12		DD	SW8270
Benzyl butyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Carbazole	ND	50	ug/L	04/14/12		DD	SW8270
Chrysene	ND	10	ug/L	04/14/12		DD	SW8270

LO

1

1P

Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Dibenzofuran	ND	10	ug/L	04/14/12		DD	SW8270
Diethyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Dimethylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-butylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-octylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Fluorene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobutadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorocyclopentadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachloroethane	ND	10	ug/L	04/14/12		DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Isophorone	ND	10	ug/L	04/14/12		DD	SW8270
Naphthalene	160	10	ug/L	04/14/12		DD	SW8270
Nitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodimethylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodiphenylamine	ND	10	ug/L	04/14/12		DD	SW8270
Pentachloronitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Pentachlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
Phenanthrene	ND	10	ug/L	04/14/12		DD	SW8270
Phenol	63	10	ug/L	04/14/12		DD	SW8270
Pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Pyridine	ND	10	ug/L	04/14/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Phenol-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Terphenyl-d14	*Diluted Out		%	04/14/12		DD	15 - 130 %

LO

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

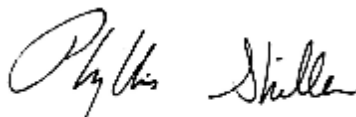
* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

Elevated reporting limits for volatiles due to the oily nature of the sample.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 18, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 18, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
04/11/12 13:45
04/12/12 15:42

Laboratory Data

SDG ID: GBB71379
Phoenix ID: BB71380

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			04/12/12		R/K	SW3520
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	25	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	4200	500	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	30	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	1200	500	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	250	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	250	ug/L	04/15/12		R/T	SW8260

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	1300	ug/L	04/15/12		R/T	SW8260
Acrylonitrile	ND	250	ug/L	04/15/12		R/T	SW8260
Benzene	1500	350	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	50	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	250	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	50	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	50	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	4000	500	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	20	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	750	50	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	13000	500	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	250	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	50	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	50	ug/L	04/15/12		R/T	SW8260
Naphthalene	510	500	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	480	50	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	480	250	ug/L	04/15/12		R/T	SW8260
o-Xylene	6100	500	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	150	50	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	280	50	ug/L	04/15/12		R/T	SW8260
Styrene	ND	50	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	250	ug/L	04/15/12		R/T	SW8260
Toluene	6500	500	ug/L	04/15/12		R/T	SW8260
Total Xylenes	19100	50	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	250	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	50	ug/L	04/15/12		R/T	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	71		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	95		%	04/15/12		R/T	70 - 130 %

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	89		%	04/15/12		R/T	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2,4-Trichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,2-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,3-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
1,4-Dichlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2,4-Dimethylphenol	280	10	ug/L	04/14/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2,6-Dinitrotoluene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chloronaphthalene	ND	10	ug/L	04/14/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
2-Methylnaphthalene	500	10	ug/L	04/14/12		DD	SW8270
2-Methylphenol (o-cresol)	58	10	ug/L	04/14/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	04/14/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	34	10	ug/L	04/14/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	20	ug/L	04/14/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	04/14/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	04/14/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	04/14/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	10	ug/L	04/14/12		DD	SW8270
4-Nitroaniline	ND	50	ug/L	04/14/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
Acenaphthene	ND	10	ug/L	04/14/12		DD	SW8270
Acenaphthylene	ND	10	ug/L	04/14/12		DD	SW8270
Acetophenone	ND	10	ug/L	04/14/12		DD	SW8270
Aniline	ND	50	ug/L	04/14/12		DD	SW8270
Anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Azobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Benz(a)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Benzidine	ND	20	ug/L	04/14/12		DD	SW8270
Benzo(a)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(b)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(ghi)perylene	ND	10	ug/L	04/14/12		DD	SW8270
Benzo(k)fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Benzoic acid	ND	50	ug/L	04/14/12		DD	SW8270
Benzyl butyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	10	ug/L	04/14/12		DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Carbazole	ND	50	ug/L	04/14/12		DD	SW8270
Chrysene	ND	10	ug/L	04/14/12		DD	SW8270

LO

1

1P

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	10	ug/L	04/14/12		DD	SW8270
Dibenzofuran	ND	10	ug/L	04/14/12		DD	SW8270
Diethyl phthalate	ND	10	ug/L	04/14/12		DD	SW8270
Dimethylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-butylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Di-n-octylphthalate	ND	10	ug/L	04/14/12		DD	SW8270
Fluoranthene	ND	10	ug/L	04/14/12		DD	SW8270
Fluorene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorobutadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachlorocyclopentadiene	ND	10	ug/L	04/14/12		DD	SW8270
Hexachloroethane	ND	10	ug/L	04/14/12		DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Isophorone	ND	10	ug/L	04/14/12		DD	SW8270
Naphthalene	1100	10	ug/L	04/14/12		DD	SW8270
Nitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodimethylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	10	ug/L	04/14/12		DD	SW8270
N-Nitrosodiphenylamine	ND	10	ug/L	04/14/12		DD	SW8270
Pentachloronitrobenzene	ND	10	ug/L	04/14/12		DD	SW8270
Pentachlorophenol	ND	10	ug/L	04/14/12		DD	SW8270
Phenanthrene	ND	10	ug/L	04/14/12		DD	SW8270
Phenol	17	10	ug/L	04/14/12		DD	SW8270
Pyrene	ND	10	ug/L	04/14/12		DD	SW8270
Pyridine	ND	10	ug/L	04/14/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Phenol-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Terphenyl-d14	*Diluted Out		%	04/14/12		DD	15 - 130 %

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

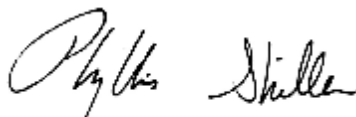
* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

Elevated reporting limits for volatiles due to the oily nature of the sample.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 18, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 18, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
04/11/12 14:20
04/12/12 15:42

Laboratory Data

SDG ID: GBB71379
Phoenix ID: BB71381

Project ID: 1676 THIRD AVE., NYC, NY
Client ID: MW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			04/12/12		R/K	SW3520
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	25	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	3800	500	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	30	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	780	50	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	50	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	250	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	50	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	250	ug/L	04/15/12		R/T	SW8260

Client ID: MW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	1300	ug/L	04/15/12		R/T	SW8260
Acrylonitrile	ND	250	ug/L	04/15/12		R/T	SW8260
Benzene	430	35	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	50	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	250	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	50	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	50	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	25	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	50	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	2500	500	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	20	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	160	50	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	11000	500	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	250	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	50	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	50	ug/L	04/15/12		R/T	SW8260
Naphthalene	810	50	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	420	50	ug/L	04/15/12		R/T	SW8260
o-Xylene	5800	500	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	ND	50	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Styrene	ND	50	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	250	ug/L	04/15/12		R/T	SW8260
Toluene	3800	500	ug/L	04/15/12		R/T	SW8260
Total Xylenes	16800	50	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	25	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	250	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	50	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	50	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	50	ug/L	04/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	77		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	94		%	04/15/12		R/T	70 - 130 %

Client ID: MW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	93		%	04/15/12		R/T	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
1,2,4-Trichlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
1,2-Dichlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
1,3-Dichlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
1,4-Dichlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
2,4,5-Trichlorophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4,6-Trichlorophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4-Dichlorophenol	ND	50	ug/L	04/14/12		DD	SW8270
2,4-Dimethylphenol	660	50	ug/L	04/14/12		DD	SW8270
2,4-Dinitrophenol	ND	250	ug/L	04/14/12		DD	SW8270
2,4-Dinitrotoluene	ND	50	ug/L	04/14/12		DD	SW8270
2,6-Dinitrotoluene	ND	50	ug/L	04/14/12		DD	SW8270
2-Chloronaphthalene	ND	50	ug/L	04/14/12		DD	SW8270
2-Chlorophenol	ND	50	ug/L	04/14/12		DD	SW8270
2-Methylnaphthalene	1200	50	ug/L	04/14/12		DD	SW8270
2-Methylphenol (o-cresol)	310	50	ug/L	04/14/12		DD	SW8270
2-Nitroaniline	ND	250	ug/L	04/14/12		DD	SW8270
2-Nitrophenol	ND	50	ug/L	04/14/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	180	50	ug/L	04/14/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	100	ug/L	04/14/12		DD	SW8270
3-Nitroaniline	ND	250	ug/L	04/14/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	250	ug/L	04/14/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	50	ug/L	04/14/12		DD	SW8270
4-Chloro-3-methylphenol	ND	100	ug/L	04/14/12		DD	SW8270
4-Chloroaniline	ND	100	ug/L	04/14/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	50	ug/L	04/14/12		DD	SW8270
4-Nitroaniline	ND	250	ug/L	04/14/12		DD	SW8270
4-Nitrophenol	ND	250	ug/L	04/14/12		DD	SW8270
Acenaphthene	ND	50	ug/L	04/14/12		DD	SW8270
Acenaphthylene	ND	50	ug/L	04/14/12		DD	SW8270
Acetophenone	ND	50	ug/L	04/14/12		DD	SW8270
Aniline	ND	250	ug/L	04/14/12		DD	SW8270
Anthracene	ND	50	ug/L	04/14/12		DD	SW8270
Azobenzene	ND	50	ug/L	04/14/12		DD	SW8270
Benz(a)anthracene	ND	50	ug/L	04/14/12		DD	SW8270
Benzidine	ND	100	ug/L	04/14/12		DD	SW8270
Benzo(a)pyrene	ND	50	ug/L	04/14/12		DD	SW8270
Benzo(b)fluoranthene	ND	50	ug/L	04/14/12		DD	SW8270
Benzo(ghi)perylene	ND	50	ug/L	04/14/12		DD	SW8270
Benzo(k)fluoranthene	ND	50	ug/L	04/14/12		DD	SW8270
Benzoic acid	ND	250	ug/L	04/14/12		DD	SW8270
Benzyl butyl phthalate	ND	50	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	50	ug/L	04/14/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	50	ug/L	04/14/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	50	ug/L	04/14/12		DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	50	ug/L	04/14/12		DD	SW8270
Carbazole	ND	250	ug/L	04/14/12		DD	SW8270
Chrysene	ND	50	ug/L	04/14/12		DD	SW8270

Client ID: MW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	50	ug/L	04/14/12		DD	SW8270
Dibenzofuran	ND	50	ug/L	04/14/12		DD	SW8270
Diethyl phthalate	ND	50	ug/L	04/14/12		DD	SW8270
Dimethylphthalate	ND	50	ug/L	04/14/12		DD	SW8270
Di-n-butylphthalate	ND	50	ug/L	04/14/12		DD	SW8270
Di-n-octylphthalate	ND	50	ug/L	04/14/12		DD	SW8270
Fluoranthene	ND	50	ug/L	04/14/12		DD	SW8270
Fluorene	ND	50	ug/L	04/14/12		DD	SW8270
Hexachlorobenzene	ND	50	ug/L	04/14/12		DD	SW8270
Hexachlorobutadiene	ND	50	ug/L	04/14/12		DD	SW8270
Hexachlorocyclopentadiene	ND	50	ug/L	04/14/12		DD	SW8270
Hexachloroethane	ND	50	ug/L	04/14/12		DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	04/14/12		DD	SW8270
Isophorone	ND	50	ug/L	04/14/12		DD	SW8270
Naphthalene	1900	50	ug/L	04/14/12		DD	SW8270
Nitrobenzene	ND	50	ug/L	04/14/12		DD	SW8270
N-Nitrosodimethylamine	ND	50	ug/L	04/14/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	50	ug/L	04/14/12		DD	SW8270
N-Nitrosodiphenylamine	ND	50	ug/L	04/14/12		DD	SW8270
Pentachloronitrobenzene	ND	50	ug/L	04/14/12		DD	SW8270
Pentachlorophenol	ND	50	ug/L	04/14/12		DD	SW8270
Phenanthrene	ND	50	ug/L	04/14/12		DD	SW8270
Phenol	ND	50	ug/L	04/14/12		DD	SW8270
Pyrene	ND	50	ug/L	04/14/12		DD	SW8270
Pyridine	ND	50	ug/L	04/14/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	*Diluted Out		%	04/14/12		DD	15 - 130 %
% 2-Fluorophenol	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Phenol-d5	*Diluted Out		%	04/14/12		DD	15 - 130 %
% Terphenyl-d14	*Diluted Out		%	04/14/12		DD	15 - 130 %

LO

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

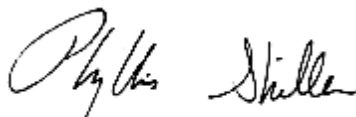
* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

Elevated reporting limits for volatiles due to the oily nature of the sample.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 18, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 18, 2012

FOR: Attn: Mr. Richard Stumbo
EMCI
5 Anderson Lane
Goldens Bridge, NY 10526

Sample Information

Matrix: GROUND WATER
Location Code: EMCI
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
04/11/12 0:00
04/12/12 15:42

Laboratory Data

SDG ID: GBB71379
Phoenix ID: BB71382

Project ID: 1676 THIRD AVE., NYC, NY

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	04/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	04/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/15/12		R/T	SW8260
Acetone	ND	25	ug/L	04/15/12		R/T	SW8260

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Acrylonitrile	ND	5.0	ug/L	04/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	04/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	04/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	04/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/15/12		R/T	SW8260
Dibromoethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	04/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	04/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	04/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	04/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	04/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	04/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	04/15/12		R/T	70 - 130 %
% Bromofluorobenzene	86		%	04/15/12		R/T	70 - 130 %
% Dibromofluoromethane	100		%	04/15/12		R/T	70 - 130 %
% Toluene-d8	94		%	04/15/12		R/T	70 - 130 %

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

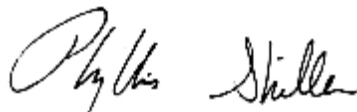
Comments:

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

April 18, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

April 18, 2012

QA/QC Data

SDG I.D.: GBB71379

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 198156, QC Sample No: BB70278 (BB71379, BB71380, BB71381)									
<u>Semivolatiles - Ground Water</u>									
1,2,4,5-Tetrachlorobenzene	ND	58	59	1.7				30 - 130	20
1,2,4-Trichlorobenzene	ND	83	83	0.0				30 - 130	20
1,2-Dichlorobenzene	ND	80	81	1.2				30 - 130	20
1,3-Dichlorobenzene	ND	77	77	0.0				30 - 130	20
1,4-Dichlorobenzene	ND	82	79	3.7				30 - 130	20
2,4,5-Trichlorophenol	ND	91	88	3.4				30 - 130	20
2,4,6-Trichlorophenol	ND	97	95	2.1				30 - 130	20
2,4-Dichlorophenol	ND	86	88	2.3				30 - 130	20
2,4-Dimethylphenol	ND	41	41	0.0				30 - 130	20
2,4-Dinitrophenol	ND	52	49	5.9				30 - 130	20
2,4-Dinitrotoluene	ND	95	95	0.0				30 - 130	20
2,6-Dinitrotoluene	ND	98	97	1.0				30 - 130	20
2-Chloronaphthalene	ND	94	96	2.1				30 - 130	20
2-Chlorophenol	ND	73	73	0.0				30 - 130	20
2-Methylnaphthalene	ND	90	90	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	70	67	4.4				30 - 130	20
2-Nitroaniline	ND	>150	>150	NC				30 - 130	20
2-Nitrophenol	ND	81	79	2.5				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	73	75	2.7				30 - 130	20
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	66	64	3.1				30 - 130	20
4-Bromophenyl phenyl ether	ND	91	90	1.1				30 - 130	20
4-Chloro-3-methylphenol	ND	100	100	0.0				30 - 130	20
4-Chloroaniline	ND	51	50	2.0				30 - 130	20
4-Chlorophenyl phenyl ether	ND	100	103	3.0				30 - 130	20
4-Nitroaniline	ND	96	98	2.1				30 - 130	20
4-Nitrophenol	ND	89	90	1.1				30 - 130	20
Acenaphthene	ND	96	97	1.0				30 - 130	20
Acenaphthylene	ND	91	91	0.0				30 - 130	20
Acetophenone	ND	47	47	0.0				30 - 130	20
Aniline	ND	N/A	N/A	NC				30 - 130	20
Anthracene	ND	93	92	1.1				30 - 130	20
Azobenzene	ND	50	50	0.0				30 - 130	20
Benz(a)anthracene	ND	94	94	0.0				30 - 130	20
Benzidine	ND	N/A	N/A	NC				30 - 130	20
Benzo(a)pyrene	ND	90	88	2.2				30 - 130	20
Benzo(b)fluoranthene	ND	91	94	3.2				30 - 130	20
Benzo(ghi)perylene	ND	91	93	2.2				30 - 130	20
Benzo(k)fluoranthene	ND	105	100	4.9				30 - 130	20
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20

QA/QC Data

SDG I.D.: GBB71379

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	84	84	0.0				30 - 130	20
Bis(2-chloroethoxy)methane	ND	84	84	0.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	71	71	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	80	80	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	93	90	3.3				30 - 130	20
Carbazole	ND	117	116	0.9				30 - 130	20
Chrysene	ND	97	97	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	94	92	2.2				30 - 130	20
Dibenzofuran	ND	96	95	1.0				30 - 130	20
Diethyl phthalate	ND	97	97	0.0				30 - 130	20
Dimethylphthalate	ND	96	96	0.0				30 - 130	20
Di-n-butylphthalate	ND	100	96	4.1				30 - 130	20
Di-n-octylphthalate	ND	98	98	0.0				30 - 130	20
Fluoranthene	ND	100	99	1.0				30 - 130	20
Fluorene	ND	101	101	0.0				30 - 130	20
Hexachlorobenzene	ND	98	96	2.1				30 - 130	20
Hexachlorobutadiene	ND	92	93	1.1				30 - 130	20
Hexachlorocyclopentadiene	ND	69	70	1.4				30 - 130	20
Hexachloroethane	ND	86	85	1.2				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	92	94	2.2				30 - 130	20
Isophorone	ND	66	67	1.5				30 - 130	20
Naphthalene	ND	90	91	1.1				30 - 130	20
Nitrobenzene	ND	92	89	3.3				30 - 130	20
N-Nitrosodimethylamine	ND	52	48	8.0				30 - 130	20
N-Nitrosodi-n-propylamine	ND	92	89	3.3				30 - 130	20
N-Nitrosodiphenylamine	ND	97	98	1.0				30 - 130	20
Pentachloronitrobenzene	ND	109	107	1.9				30 - 130	20
Pentachlorophenol	ND	85	82	3.6				30 - 130	20
Phenanthrene	ND	101	101	0.0				30 - 130	20
Phenol	ND	67	66	1.5				30 - 130	20
Pyrene	ND	103	104	1.0				30 - 130	20
Pyridine	ND	<5	<5	NC				30 - 130	20
% 2,4,6-Tribromophenol	112	92	89	3.3				15 - 130	20
% 2-Fluorobiphenyl	69	86	86	0.0				30 - 130	20
% 2-Fluorophenol	75	59	57	3.4				15 - 130	20
% Nitrobenzene-d5	83	86	84	2.4				30 - 130	20
% Phenol-d5	74	58	58	0.0				15 - 130	20
% Terphenyl-d14	96	111	108	2.7				30 - 130	20

QA/QC Batch 198445, QC Sample No: BB71382 (BB71379, BB71380, BB71381, BB71382)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	129	127	1.6	127	118	7.3	70 - 130	30
1,1,1-Trichloroethane	ND	95	93	2.1	96	86	11.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	96	96	0.0	96	98	2.1	70 - 130	30
1,1,2-Trichloroethane	ND	90	91	1.1	88	89	1.1	70 - 130	30
1,1-Dichloroethane	ND	86	85	1.2	87	79	9.6	70 - 130	30
1,1-Dichloroethene	ND	86	85	1.2	96	84	13.3	70 - 130	30
1,1-Dichloropropene	ND	97	95	2.1	99	90	9.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	83	89	7.0	83	84	1.2	70 - 130	30
1,2,3-Trichloropropane	ND	94	90	4.3	92	90	2.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	88	90	2.2	91	89	2.2	70 - 130	30
1,2,4-Trimethylbenzene	ND	106	105	0.9	109	104	4.7	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	87	87	0.0	78	83	6.2	70 - 130	30

QA/QC Data

SDG I.D.: GBB71379

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	97	96	1.0	100	96	4.1	70 - 130	30	
1,2-Dichloroethane	ND	93	92	1.1	88	84	4.7	70 - 130	30	
1,2-Dichloropropane	ND	87	87	0.0	89	83	7.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	106	105	0.9	105	99	5.9	70 - 130	30	
1,3-Dichlorobenzene	ND	98	100	2.0	102	97	5.0	70 - 130	30	
1,3-Dichloropropane	ND	91	92	1.1	91	87	4.5	70 - 130	30	
1,4-Dichlorobenzene	ND	95	95	0.0	99	95	4.1	70 - 130	30	
2,2-Dichloropropane	ND	95	94	1.1	78	68	13.7	70 - 130	30	m
2-Chlorotoluene	ND	98	99	1.0	102	96	6.1	70 - 130	30	
2-Hexanone	ND	84	85	1.2	79	78	1.3	70 - 130	30	
2-Isopropyltoluene	ND	105	104	1.0	106	100	5.8	70 - 130	30	
4-Chlorotoluene	ND	99	98	1.0	105	99	5.9	70 - 130	30	
4-Methyl-2-pentanone	ND	80	81	1.2	76	76	0.0	70 - 130	30	
Acetone	ND	94	87	7.7	83	80	3.7	70 - 130	30	
Acrylonitrile	ND	85	84	1.2	81	77	5.1	70 - 130	30	
Benzene	ND	94	93	1.1	97	91	6.4	70 - 130	30	
Bromobenzene	ND	93	94	1.1	96	92	4.3	70 - 130	30	
Bromochloromethane	ND	95	96	1.0	95	89	6.5	70 - 130	30	
Bromodichloromethane	ND	99	96	3.1	93	87	6.7	70 - 130	30	
Bromoform	ND	143	146	2.1	129	129	0.0	70 - 130	30	l
Bromomethane	ND	91	90	1.1	67	70	4.4	70 - 130	30	m
Carbon Disulfide	ND	132	134	1.5	135	120	11.8	70 - 130	30	l,m
Carbon tetrachloride	ND	108	106	1.9	104	95	9.0	70 - 130	30	
Chlorobenzene	ND	106	106	0.0	112	104	7.4	70 - 130	30	
Chloroethane	ND	88	88	0.0	82	79	3.7	70 - 130	30	
Chloroform	ND	90	89	1.1	90	82	9.3	70 - 130	30	
Chloromethane	ND	87	87	0.0	88	78	12.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	88	86	2.3	91	86	5.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	93	94	1.1	93	87	6.7	70 - 130	30	
Dibromochloromethane	ND	107	106	0.9	104	100	3.9	70 - 130	30	
Dibromoethane	ND	93	94	1.1	95	93	2.1	70 - 130	30	
Dibromomethane	ND	96	97	1.0	94	90	4.3	70 - 130	30	
Dichlorodifluoromethane	ND	86	90	4.5	87	74	16.1	70 - 130	30	
Ethylbenzene	ND	115	112	2.6	118	110	7.0	70 - 130	30	
Hexachlorobutadiene	ND	87	90	3.4	93	86	7.8	70 - 130	30	
Isopropylbenzene	ND	102	103	1.0	110	102	7.5	70 - 130	30	
m&p-Xylene	ND	110	109	0.9	112	106	5.5	70 - 130	30	
Methyl ethyl ketone	ND	73	77	5.3	64	65	1.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	91	95	4.3	81	77	5.1	70 - 130	30	
Methylene chloride	ND	78	77	1.3	79	72	9.3	70 - 130	30	
Naphthalene	ND	79	85	7.3	81	86	6.0	70 - 130	30	
n-Butylbenzene	ND	101	100	1.0	102	96	6.1	70 - 130	30	
n-Propylbenzene	ND	94	94	0.0	99	94	5.2	70 - 130	30	
o-Xylene	ND	110	110	0.0	110	102	7.5	70 - 130	30	
p-Isopropyltoluene	ND	109	108	0.9	107	101	5.8	70 - 130	30	
sec-Butylbenzene	ND	102	102	0.0	106	101	4.8	70 - 130	30	
Styrene	ND	114	115	0.9	112	107	4.6	70 - 130	30	
tert-Butylbenzene	ND	101	99	2.0	103	97	6.0	70 - 130	30	
Tetrachloroethene	ND	101	99	2.0	107	97	9.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	74	76	2.7	75	71	5.5	70 - 130	30	
Toluene	ND	96	96	0.0	102	94	8.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	90	87	3.4	94	84	11.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	102	101	1.0	95	90	5.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBB71379

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,4-dichloro-2-butene	ND	107	117	8.9	93	92	1.1	70 - 130	30
Trichloroethene	ND	102	101	1.0	107	98	8.8	70 - 130	30
Trichlorofluoromethane	ND	107	108	0.9	95	82	14.7	70 - 130	30
Trichlorotrifluoroethane	ND	92	92	0.0	99	85	15.2	70 - 130	30
Vinyl chloride	ND	84	83	1.2	85	76	11.2	70 - 130	30
% 1,2-dichlorobenzene-d4	97	100	98	2.0	98	100	2.0	70 - 130	30
% Bromofluorobenzene	88	97	97	0.0	92	92	0.0	70 - 130	30
% Dibromofluoromethane	100	102	100	2.0	101	101	0.0	70 - 130	30
% Toluene-d8	94	96	95	1.0	97	97	0.0	70 - 130	30

QA/QC Batch 198531, QC Sample No: BB71674 (BB71380 (1000,500X) , BB71381 (500X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	106	96	9.9	100	105	4.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	103	94	9.1	98	103	5.0	70 - 130	30
Benzene	ND	97	86	12.0	93	98	5.2	70 - 130	30
Ethylbenzene	ND	108	98	9.7	104	110	5.6	70 - 130	30
m&p-Xylene	ND	108	99	8.7	106	110	3.7	70 - 130	30
Naphthalene	ND	92	92	0.0	82	88	7.1	70 - 130	30
n-Propylbenzene	ND	92	84	9.1	91	98	7.4	70 - 130	30
o-Xylene	ND	110	104	5.6	132	112	16.4	70 - 130	30 m
Toluene	ND	103	92	11.3	100	104	3.9	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director
April 18, 2012

Environmental Maintenance Contractors Inc.

GROUNDWATER FIELD PARAMETERS as of 04/11/2012

Well ID	Time	Temp. (°C)	Spec Cond ² (uS/cm)	pH (Std.)	ORP/Eh ³	Dissolved Oxygen %	Turbidity+
MW-1	1150	13.67	828	6.73	10.2	24.7	147.6
MW-2	1251	14.29	634	7.8	-27.9	17.7	481.7
MW-3	1327	13.9	720	7.13	-98.1	24.9	796.5
MW-B	1400	13.41	412	7.92	-15	34.4	121.5

1676 3rd Avenue, New York, NY
PID Reading Table

SB-B (Basement) Subsurface Exploration PID Readings

Sample no. /ID	PID Reading (ppm)
SB-B-1	19.5
SB-B-2	439
SB-B-3	445
SB-B-4	27.5
SB-B-5	17.8
SB-B-6	22.3

SB-1 (Sidewalk) Subsurface Exploration PID Readings

Sample no. /ID	PID Reading (ppm)
SB-1-1	3.5
SB-1-2	5.8
SB-1-3	78.8
SB-1-4	22.3
SB-1-5	714
SB-1-6	275
SB-1-7	32.2

SB-2 (Sidewalk) Subsurface Exploration PID Readings

Sample no. /ID	PID Reading (ppm)
SB-2-1	20.1
SB-2-2	141
SB-2-3	23.6
SB-2-4	28.7
SB-2-5	613
SB-2-6	1,103
SB-2-7	207
SB-2-8	137

SB-3 (Sidewalk) Subsurface Exploration PID Readings

Sample no. /ID	PID Reading (ppm)
SB-3-1	395
SB-3-2	283
SB-3-3	240
SB-3-4	303
SB-3-5	736
SB-3-6	402
SB-3-7	227
SB-3-8	117

Sampling of Monitoring Wells PID Readings (4/11/2012)

MW No.	PID Reading (ppm)
MW-1	138.5
MW-2	249
MW-3	352
MW-B	71.8

Data Usability Summary Report

**1676 Third Avenue
New York, New York**

**Samples Collected
May 2007 and
February, March, and April 2012**

December 2012

Data Usability Summary Report

**Samples Collected
May 2007 and
February, March, and April 2012**

**1676 Third Avenue
New York, New York**

Prepared By:

**EnviroAnalytics
Data Management and Validation Service
2638 Sunset Avenue
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EXECUTIVE SUMMARY

This report addresses data quality for soil and water samples collected at the 1676 Third Avenue site located in New York, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Dvirka and Bartilucci Consulting Engineers of Woodbury, New York and Environmental Maintenance Contractors of Goldens Bridge, New York. Analytical services were provided by Phoenix Environmental Laboratories, Inc. located in Manchester, Connecticut and Mitkem Corporation located in Warwick, Rhode Island.

The inorganics analyses data have been determined to be usable for qualitative and quantitative purposes with minor qualification. Sample results for several analytes were qualified based on deviations from laboratory duplicate and matrix spike recovery criteria.

The volatile organics analyses data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from method blank analysis, initial calibration, continuing calibration, laboratory control sample analysis, matrix spike sample analysis, surrogate recovery, and internal standard recovery criteria.

The semivolatile organics analyses data were determined to be usable for qualitative and quantitative purposes with the exception of 23.7 percent of the data which were rejected due to calibration, laboratory control sample recovery, matrix spike recovery, internal standard recovery, and surrogate recovery deviations. Additional qualification of data was required for method blank analysis deviations.

TABLE of CONTENTS

SECTION 1 - INTRODUCTION.....	1
1.1 Introduction	1
1.2 Analytical Methods	1
1.3 Validation Protocols.....	2
1.3.1 Inorganic Parameters.....	2
1.3.2 Organic Parameters	3
1.4 Data Qualifiers.....	3
SECTION 2 - DATA VALIDATION SUMMARY	5
2.1 Inorganics Analysis.....	5
2.2 Volatiles Analysis	6
2.3 Semivolatiles Analysis.....	12
3.1 Data Usability.....	18
3.2 PARCC Evaluation	18
3.2.1 Precision	18
3.2.2 Accuracy.....	18
3.2.3 Representativeness	18
3.2.4 Comparability	19
3.2.5 Completeness.....	19

Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for soil and water samples collected at the 1676 Third Avenue site located in New York, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Dvirka and Bartilucci Consulting Engineers of Woodbury, New York and Environmental Maintenance Contractors of Goldens Bridge, New York. Analytical services were provided by Phoenix Environmental Laboratories, Inc. located in Manchester, Connecticut and Mitkem Corporation located in Warwick, Rhode Island. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Matrix	Sample Identification	
			Client ID	Laboratory ID
F0609	05/22/2007	Soil	B14-6 B29-11 B39-11	F0609-01 F0609-02 F0609-03
GBB42286	02/08/2012	Soil	BS-1 BS-2 BS-3 BS-4 BS-5 BS-6	BB42286 BB42287 BB42288 BB42289 BB42290 BB42291
GBB57215	03/21/2012	Soil	SBH-B SBC-B	BB57215 BB57216
GBB59659	03/26/2012 03/27/2012	Soil	SBH-1 SBC-1 SBD-1 SBH-2 SBC-2 SBD-2 SBH-3 SBC-3 SBD-3	BB59659 BB59660 BB59661 BB59662 BB59663 BB59664 BB59665 BB59666 BB59667
GBB71379	04/11/2012	Water	MW-1 MW-2 MW-3 TRIP BLANK	BB71379 BB71380 BB71381 BB71382
GBB71497	04/11/2012	Water	MW-B TRIP BLANK	BB71497 BB71498

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), and inorganics (Metals) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Phoenix Environmental Laboratories, Inc. located in Manchester, Connecticut and Mitkem Corporation located in Warwick, Rhode Island.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-08-01, June 2008.
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, USEPA-540-R-10-011, January 2010.
- *Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3*, SOP No. HW-2, Revision #13, USEPA Region II, September 2006.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.
- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, August 2008.
- *Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, SOP No. HW-22 Revision #4, USEPA Hazardous Waste Support Branch, August 2008.
- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Inorganic Parameters

The validation of inorganics for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

1. Holding Times
2. Calibration
 - a. Initial Calibration Verification
 - b. Continuing Calibration Verification
3. Blank Analysis
4. ICP Interference Check Sample Analysis (ICP only)
5. Matrix Spike Analysis
6. Laboratory Duplicate Analysis
7. Laboratory Control Sample Analysis
8. ICP Serial Dilution Analysis (ICP only)
9. Furnace Atomic Absorption Analysis
10. Method of Standard Addition Results
11. Field Blanks

12. Element Quantification and Reported Detection Limits
13. Document Completeness
14. Overall Data Assessment

1.3.2 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile and Semivolatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
 - a. Initial Calibration
 - b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U	Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.
J	Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.
UJ	Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.
R	Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklists are presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Inorganics Analysis

Data validation was performed for three soil samples for total inorganic parameters. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits with the exception of the following:

Laboratory Duplicate Analysis

Laboratory duplicate criterion requires the relative percent difference (RPD) between duplicate analyses to be less than 35 percent (50 percent for soil samples). Qualification of sample results included the approximation of data for analytes with RPD values greater than 35 percent. Samples qualified due to laboratory duplicate analysis deviations are tabulated below.

Table 2: Inorganics Analyses - Laboratory Duplicate Deviations

Duplicate Sample ID	Inorganic	Relative Percent Difference	Qualifier	Affected Samples
B14-6	Lead Mercury	66 % 109 %	J J, UJ	B14-6 B29-11 B39-11

Matrix Spike Analysis

Matrix spike (MS) recovery criteria requiring spike recoveries to be between 75 and 125 percent were exceeded for several analytes. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Qualification of sample data was not required when the non-spiked sample concentration was greater than four-times the spike solution concentration. Samples qualified due to MS recovery deviations are tabulated below.

Table 3: Inorganics Analyses - Matrix Spike Deviations

MS Sample ID	Inorganic	Percent Recovery	Qualifier	Affected Samples
B14-6	Antimony	16 %	UJ	B14-6 B29-11 B39-11
	Mercury	132 %	J	B14-6

Overall Data Assessment

Overall, the laboratory performed inorganics analyses in accordance with the requirements specified in the methods listed in Section 1.2 of this report. These data

have been determined to be usable for qualitative and quantitative purposes with minor qualification. Sample results for several analytes were qualified based on deviations from laboratory duplicate and matrix spike recovery criteria.

2.2 Volatiles Analysis

Data validation was performed for twenty soil samples, four water samples, and two trip blank samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Blank Analysis

The method blanks contained detectable concentrations of several target compounds. Blank action levels were calculated at ten times the blank concentrations for the common laboratory contaminants and five times for other target compounds. Detected sample results, which were less than the blank action levels were qualified with a "U" in the associated samples. Results that were detected below the contract required detection limit (CRDL) were raised to the CRDL and qualified with a "U" qualifier. The "U" qualifier indicates that the volatile organic was analyzed for but was not detected above the CRDL. Samples qualified for blank contamination are tabulated below.

Table 4: Volatile Organics Analyses - Blank Analysis Deviations

Blank ID	Date Analyzed	Compound	Blank Action Level	Associated Samples	Qualified Sample Result
BB42339	2/09/2012	Methylene Chloride	3750 µg/Kg	BS-1	1500 U
BB42732	2/13/2012	Acetone	2750 µg/Kg	BS-2	2700 U µg/Kg
BB57107	3/29/2012	Acetone	1400 µg/Kg	SBH-B	1500 U µg/Kg
BB62288	4/05/2012	Methylene Chloride	675 µg/Kg	SBD-3 Dilution	130 U µg/Kg
BB60813	4/03/2012	Methylene Chloride	10 µg/Kg	SBD-1 SBD-2	5.2 U µg/Kg 5.3 U µg/Kg

Initial Calibration

The initial calibration relative standard deviation (%RSD) limit, which requires the %RSD to be less than 30 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %RSD criteria were exceeded. Samples requiring qualification due to these deviations are tabulated below.

Table 5: Volatile Organics Analyses – Initial Calibration Deviations

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
2/09/2012 CHEM03	Acetone	35.0 %	UJ	BS-4 BS-5 BS-6
2/09/2012 CHEM11	Acetone	43.5 %	UJ	BS-1 BS-2 BS-3 BS-4 Dilution BS-5 Dilution
2/14/2012 CHEM11	Acetone	32.9 %	UJ	BS-6 Dilution

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
3/26/2012 CHEM03	Acetone	40.4 %	UJ	SBC-B
4/04/2012 CHEM08	Trans-1,3-Dichloropropene Styrene Trans-1,4-Dichloro-2-butene 1,2-Dibromo-3-Chloropropane	32.9 % 35.9 % 31.2 % 39.7 %	UJ UJ UJ UJ	MW-B TRIP BLANK MW-1 MW-2 MW-3 TRIP BLANK MW-2 Dilution MW-3 Dilution

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent (30 percent for air/soil vapor analyses), was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 6: Volatile Organics Analyses - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
2/10/2012 CHEM03 (15:40)	Acetone Acrylonitrile Methyl Ethyl Ketone 4-Methyl-2-Pentanone 2-Hexanone Trans-1,4-Dichloro-2-butene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2,4-Trichlorobenzene Naphthalene 1,2,3-Trichlorobenzene	74.7 % 31.2 % 67.4 % 40.0 % 67.3 % 32.6 % 25.6 % 27.6 % 43.4 % 35.5 % 42.8 %	UJ UJ UJ UJ UJ UJ UJ UJ UJ J UJ	BS-4 BS-5 BS-6
2/10/2012 CHEM11 (08:01)	Acetone Methyl Ethyl Ketone 2-Hexanone	46.4 % 38.0 % 31.7 %	UJ UJ UJ	BS-1
2/14/2012 CHEM11 (05:32)	Acetone Methyl Ethyl Ketone 2-Hexanone 1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene	64.0 % 41.6 % 35.2 % 27.7 % 33.5 % 27.9 %	UJ UJ UJ UJ UJ UJ	BS-2 BS-3 BS-4 Dilution BS-5 Dilution
2/15/2012 CHEM11 (03:06)	Trans-1,4-Dichloro-2-butene	29.0 %	UJ	BS-6 Dilution
2/15/2012 CHEM11 (14:50)	Acetone Methyl Ethyl Ketone 2-Hexanone 1,2,4-Trichlorobenzene 1,2,3-Trichlorobenzene	49.3 % 37.9 % 47.4 % 34.2 % 26.7 %	UJ UJ UJ UJ UJ	BS-6 Dilution
3/27/2012 CHEM03 (11:26)	Bromomethane Acrylonitrile Tetrahydrofuran Methyl Ethyl Ketone Bromochloromethane Methyl t-Butyl Ether Styrene Isopropylbenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene	30.3 % 38.8 % 40.2 % 29.5 % 30.2 % 29.5 % 26.2 % 28.0 % 34.8 % 28.7 %	UJ UJ UJ UJ UJ UJ UJ UJ UJ UJ	SBC-B

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
	1,2,3-Trichlorobenzene	29.1 %	UJ	
3/27/2012 CHEM03 (17:36)	Methyl Ethyl Ketone	37.8 %	UJ	SBC-B
	2-Hexanone	56.7 %	UJ	
	Chlorobenzene	29.5 %	UJ	
	Styrene	30.0 %	UJ	
	Isopropylbenzene	25.1 %	UJ	
	Bromobenzene	50.1 %	UJ	
	n-Propylbenzene	34.8 %	UJ	
	2-Chlorotoluene	39.5 %	UJ	
	1,3,5-Trimethylbenzene	27.8 %	UJ	
	Trans-1,4-Dichloro-2-butene	44.0 %	UJ	
	4-Chlorotoluene	42.3 %	UJ	
	1,2,4-Trimethylbenzene	40.2 %	UJ	
	Sec-Butylbenzene	27.8 %	UJ	
	1,3-Dichlorobenzene	43.8 %	UJ	
	1,4-Dichlorobenzene	49.1 %	UJ	
	2-Isopropyltoluene	27.9 %	UJ	
	n-Butylbenzene	38.2 %	UJ	
	1,2-Dichlorobenzene	43.6 %	UJ	
	1,2-Dibromo-3-Chloropropane	38.3 %	UJ	
	1,2,4-Trichlorobenzene	68.3 %	UJ	
	Hexachlorobutadiene	53.3 %	UJ	
	Naphthalene	56.6 %	UJ	
	1,2,3-Trichlorobenzene	64.3 %	UJ	
3/29/2012 CHEM11 (08:00)	1,2,4-Trichlorobenzene	25.2 %	UJ	SBH-B
3/29/2012 CHEM11 (19:39)	Acetone	32.4 %	J, UJ	SBH-B
	2-Hexanone	27.1 %	UJ	
4/15/2012 CHEM08 (11:39)	Acrolein	32.8 %	UJ	MW-B
	Tetrahydrofuran	30.2 %	UJ	TRIP BLANK
	Methyl Ethyl Ketone	25.5 %	UJ	MW-1
	4-Methyl-2-Pentanone	25.9 %	UJ	MW-2
	2-Hexanone	27.4 %	UJ	MW-3
	Bromoform	47.7 %	UJ	TRIP BLANK
	Naphthalene	33.9 %	J, UJ	
	1,2,3-Trichlorobenzene	26.1 %	UJ	
4/16/2012 CHEM08 (00:04)	Acrolein	36.5 %	UJ	MW-B
	Carbon Disulfide	31.5 %	UJ	TRIP BLANK
	2,2-Dichloropropane	26.7 %	UJ	MW-1
	Tetrahydrofuran	29.8 %	UJ	MW-2
	Methyl Ethyl Ketone	26.0 %	UJ	MW-3
	4-Methyl-2-Pentanone	25.4 %	UJ	TRIP BLANK
	Bromoform	32.2 %	UJ	
4/16/2012 CHEM08 (12:05)	Carbon Disulfide	40.6 %	UJ	MW-2 Dilution
	2,2-Dichloropropane	39.8 %	UJ	MW-3 Dilution
	Bromodichloromethane	40.9 %	UJ	
	Dibromochloromethane	28.8 %	UJ	
	1,1,1,2-Tetrachloroethane	35.5 %	UJ	
	Bromoform	61.9 %	UJ	
4/16/2012 CHEM08 (23:34)	Acrolein	28.4 %	UJ	MW-2 Dilution
	Carbon Disulfide	29.4 %	UJ	MW-3 Dilution
	2,2-Dichloropropane	63.6 %	UJ	
	Tetrahydrofuran	25.5 %	UJ	
	Methyl t-Butyl Ether	27.6 %	UJ	
	1,1,1,2-Tetrachloroethane	27.2 %	UJ	
	Bromoform	45.9 %	UJ	
	Trans-1,4-Dichloro-2-butene	28.8 %	UJ	
4/04/2012 CHEM03 (04:22)	Bromomethane	25.1 %	UJ	SBC-2 SBD-3
4/05/2012 CHEM03 (04:30)	Dichlorodifluoromethane	27.1 %	UJ	SBD-3 Dilution
	Chloromethane	25.4 %	UJ	
	Bromomethane	31.7 %	UJ	
	Acetone	39.1 %	UJ	
	Methyl Ethyl Ketone	40.4 %	UJ	

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
	2-Hexanone	43.9 %	UJ	
4/02/2012 CHEM11 (23:44)	Carbon Disulfide Methyl Ethyl Ketone	32.6 % 26.6 %	UJ UJ	SBH-3
4/04/2012 CHEM11 (14:29)	Acetone	28.7 %	UJ	SBC-3
5/18/2007	Trichlorofluoromethane Acetone 1,2-Dibromo-3-chlorobenzene	36.8 % 43.6 % 34.6 %	UJ J, UJ UJ	B14-6 B29-11 B39-11
5/22/2007	Chloromethane Carbon Tetrachloride	31.2 % 26.1 %	UJ UJ	B14-6DL B29-11DL B39-11DL

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 7: Volatile Organics Analyses – Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Water	2,2-Dichloropropane	46 %/40 %	70 % to 130 %	UJ	MW-2 Dilution MW-3 Dilution

Matrix Spike Recovery

Matrix spike/matrix spike duplicate (MS/MSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries less than 10 percent. Samples qualified due to MS/MSD recovery deviations are tabulated below.

Table 8: Volatile Organics Analyses – MS/MSD Analysis Deviations

MS/MSD Sample ID	Compound	Percent Recovery (MS/MSD)	Control Limits	Qualifier	Affected Samples
MS BB42343	Acetone	26 %/25 %	70 % to 130 %	UJ	BS-1
	Methyl Ethyl Ketone	36 %/33 %	70 % to 130 %	UJ	BS-2
	4-Methyl-2-Pentanone	66 %/60 %	70 % to 130 %	UJ	BS-3
	2-Hexanone	37 %/33 %	70 % to 130 %	UJ	BS-4
	1,2,4-Trichlorobenzene	60 %/57 %	70 % to 130 %	UJ	BS-5
	1,2,3-Trichlorobenzene	63 %/57 %	70 % to 130 %	UJ	BS-6

MS/MSD Sample ID	Compound	Percent Recovery (MS/MSD)	Control Limits	Qualifier	Affected Samples
MS BB57242	Acetone	42 %/47 %	70 % to 130 %	UJ	SBC-B
	Methyl Ethyl Ketone	67 %/62 %	70 % to 130 %	UJ	
	2-Hexanone	46 %/43 %	70 % to 130 %	UJ	
	Styrene	65 %/70 %	70 % to 130 %	UJ	
	Bromobenzene	51 %/50 %	70 % to 130 %	UJ	
	Trans-1,4-Dichloro-2-butene	60 %/56 %	70 % to 130 %	UJ	
	4-Chlorotoluene	63 %/58 %	70 % to 130 %	UJ	
	1,2,4-Trimethylbenzene	60 %/60 %	70 % to 130 %	UJ	
	1,3-Dichlorobenzene	64 %/56 %	70 % to 130 %	UJ	
	1,4-Dichlorobenzene	60 %/52 %	70 % to 130 %	UJ	
	n-Butylbenzene	68 %/62 %	70 % to 130 %	UJ	
	1,2-Dichlorobenzene	67 %/56 %	70 % to 130 %	UJ	
	1,2-Dibromo-3-Chloropropane	66 %/62 %	70 % to 130 %	UJ	
	1,2,4-Trichlorobenzene	43 %/32 %	70 % to 130 %	UJ	
	Hexachlorobutadiene	64 %/47 %	70 % to 130 %	UJ	
MS BB57107	Naphthalene	59 %/43 %	70 % to 130 %	UJ	SBH-B
	1,2,3-Trichlorobenzene	47 %/36 %	70 % to 130 %	UJ	
	Chloroethane	44 %/33 %	70 % to 130 %	UJ	
MS BB71382	Acetone	51 %/50 %	70 % to 130 %	UJ	MW-B TRIP BLANK MW-1 MW-2 MW-3 TRIP BLANK
	2-Hexanone	64 %/55 %	70 % to 130 %	UJ	
	Acrolein	63 %/60 %	70 % to 130 %	UJ	
MS BB71674	Bromomethane	67 %/70 %	70 % to 130 %	UJ	MW-2 Dilution MW-3 Dilution
	Methyl Ethyl Ketone	64 %/65 %	70 % to 130 %	UJ	
	2,2-Dichloropropane	35 %/36 %	70 % to 130 %	UJ	
MS BB59621	2,2-Dichloropropane	35 %/36 %	70 % to 130 %	UJ	SBC-1
	Acetone	34 %/27 %	70 % to 130 %	UJ	
	Methyl Ethyl Ketone	48 %/41 %	70 % to 130 %	UJ	
MS BB60872	2-Hexanone	41 %/36 %	70 % to 130 %	UJ	SBC-2 SBD-3
	Acetone	35 %/28 %	70 % to 130 %	UJ	
	Methyl Ethyl Ketone	50 %/42 %	70 % to 130 %	UJ	
	2-Hexanone	45 %/39 %	70 % to 130 %	UJ	
	Chlorobenzene	52 %/55 %	70 % to 130 %	UJ	
	1,2,4-Trimethylbenzene	48 %/51 %	70 % to 130 %	J, UJ	
	1,4-Dichlorobenzene	56 %/57 %	70 % to 130 %	UJ	
	1,2,4-Trichlorobenzene	69 %/68 %	70 % to 130 %	UJ	
MS BB58840	Naphthalene	20 %/30 %	70 % to 130 %	UJ	SBH-3
	Methyl Ethyl Ketone	57 %/69 %	70 % to 130 %	UJ	
MS BB62288	2-Hexanone	52 %/50 %	70 % to 130 %	UJ	SBD-3 Dilution
	2-Hexanone	71 %/62 %	70 % to 130 %		
MS BB60813	Acetone	32 %/30 %	70 % to 130 %	J, UJ	SBD-1 SBH-2 SBD-2 SBH-1
	Methyl Ethyl Ketone	44 %/45 %	70 % to 130 %	UJ	
	2-Hexanone	48 %/50 %	70 % to 130 %	UJ	
MS BB60421	Trans-1,3-Dichloropropene	63 %/56 %	70 % to 130 %	UJ	SBC-3
	1,3-Dichlorobenzene	52 %/70 %	70 % to 130 %	UJ	
	1,4-Dichlorobenzene	49 %/63 %	70 % to 130 %	UJ	
	1,2-Dichlorobenzene	44 %/63 %	70 % to 130 %	UJ	
	1,2,4-Trichlorobenzene	22 %/32 %	70 % to 130 %	UJ	
	1,2,3-Trichlorobenzene	3 %/27 %	70 % to 130 %	UJ	

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory

generated control limits. When one or more of the surrogate compounds exceed the recovery limits, the associated sample data require qualification. Detected and non-detected sample results were rejected (R) when surrogate recoveries were less than 10 percent for two or more surrogate compounds. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 9: Volatile Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
B14-6	Toluene-d8 Bromofluorobenzene	216 % 147 %	84 % to 138 % 59 % to 113 %	J J	Chloroethane Benzene Methylcyclohexane Toluene Ethylbenzene Xylene (Total) Isopropylbenzene
B39-11	Toluene-d8	151 %	84 % to 138 %	J	Benzene Methylcyclohexane Toluene Ethylbenzene Xylene (Total) Isopropylbenzene
B29-11DL	1,2-Dichloroethane-d4	59 %	70 % to 121 %	J, UJ	All Compounds
B39-11DL	1,2-Dichloroethane-d4	57 %	70 % to 121 %	J, UJ	All Compounds
B14-6DL	1,2-Dichloroethane-d4	56 %	70 % to 121 %	J, UJ	All Compounds

Internal Standards Recovery

The internal standard areas exceeded recovery limits for several samples. Qualification of sample results included the approximation of results when recoveries were greater than the upper limit or less than the lower limit, but greater than 25 percent. Samples qualified due to internal standard recovery deviations are tabulated below.

Table 10: Volatile Organics Analyses -Internal Standard Deviations

Sample ID	Internal Standard	Percent Recovery	Affected Compounds	Qualifier
B39-11DL	Bromochloromethane	245 %	Methylcyclohexane	J
	1,4-Difluorobenzene	242 %	Toluene	J
	Chlorobenzene-d5	223 %	Ethylbenzene	J
			Xylene (Total)	J
			Isopropylbenzene	J
B14-6DL	Bromochloromethane	246 %	Methylcyclohexane	J
	1,4-Difluorobenzene	254 %	Toluene	J
	Chlorobenzene-d5	232 %	Isopropylbenzene	J
			Ethylbenzene	J
			Xylene (Total)	J

Overall Data Assessment

Overall, the laboratory performed volatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several compounds were qualified based on deviations from method blank analysis, initial calibration, continuing calibration, laboratory control sample analysis, matrix spike sample analysis, surrogate recovery, and internal standard recovery criteria.

2.3 Semivolatiles Analysis

Data validation was performed for twenty soil samples and four water samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Blank Analysis

The method blanks contained detectable concentrations of several target compounds. Blank action levels were calculated at ten times the blank concentrations for the common laboratory contaminants and five times for other target compounds. Detected sample results, which were less than the blank action levels were qualified with a "U" in the associated samples. Results that were detected below the contract required detection limit (CRDL) were raised to the CRDL and qualified with a "U" qualifier. The "U" qualifier indicates that the semivolatile organic was analyzed for but was not detected above the CRDL. Samples qualified for blank contamination are tabulated below.

Table 11: Semivolatile Organics Analyses - Blank Analysis Deviations

Blank ID	Date Analyzed	Compound	Blank Action Level	Associated Samples	Qualified Sample Result
SBLK1R	6/01/2007	Bis(2-ethylhexyl)phthalate	1200 µg/Kg	B14-6 B29-11 B29-11 DL B39-11	390 U µg/Kg 390 U µg/Kg 770 U µg/Kg 360 U µg/Kg

Initial Calibration

The initial calibration relative standard deviation (%RSD) limit, which requires the %RSD to be less than 30 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %RSD criteria were exceeded. Samples requiring qualification due to these deviations are tabulated below.

Table 12: Semivolatile Organics Analyses – Initial Calibration Deviations

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
2/09/2012 CHEM07	Aniline Benzidine Pyridine	NR ¹ NR ¹ 34.8 %	R R UJ	BS-1 BS-2 BS-3 BS-4 BS-5 BS-6
3/20/2012 CHEM07	Benzidine 3-Nitroaniline	NR ¹ 33.4 %	R UJ	SBH-B SBC-B
3/22/2012 CHEM07	Benzidine 3-Nitroaniline	NR ¹ 30.3 %	R UJ	SBD-2 SBH-3 SBD-3 SBH-3 Dilution SBC-3

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
3/28/2012 CHEM12	Benzidine	NR ¹	R	SBH-1 SBC-1 SBD-1 SBH-2 SBC-2

1. NR – Value was not reported

A five-point calibration was not performed for aniline or benzidine. Due to these deviation, the non-detected aniline and benzidine results were rejected (R) for all samples.

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 13: Semivolatile Organics Analyses - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
2/09/2012 CHEM07 (23:25)	Aniline Benzidine 3,3'-Dichlorobenzidine Pyridine	NR ¹ NR ¹ NR ¹ 355.5 %	R R R R	BS-1 BS-2 BS-3 BS-4 BS-5 BS-6
2/10/2012 CHEM07 (10:39)	Aniline Benzidine 3,3'-Dichlorobenzidine Pyridine Hexachlorocyclopentadiene 2,4-Dinitrophenol 2-Nitroaniline 4,6-Dinitro-2-methylphenol	NR ¹ NR ¹ NR ¹ 322.5 % 69.0 % 73.0 % 27.3 % 59.8 %	R R R R R R UJ R	BS-1 BS-2 BS-3 BS-4 BS-5 BS-6
2/10/2012 CHEM07 (18:42)	Aniline Benzidine 3,3'-Dichlorobenzidine Pyridine 2-Nitroaniline	NR ¹ NR ¹ NR ¹ 313.8 % 26.4 %	R R R R UJ	BS-1 Dilution BS-5 Dilution
2/11/2012 CHEM07 (06:13)	Aniline Benzidine 3,3'-Dichlorobenzidine Pyridine Hexachloroethane 2-Nitrophenol Hexachlorocyclopentadiene 3-Nitroaniline 2,4-Dinitrophenol 2-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachloronitrobenzene Benzyl Butyl Phthalate	NR ¹ NR ¹ NR ¹ 340.5 % 56.1 % 31.8 % 77.3 % 46.1 % 82.7 % 127.8 % 80.7 % 33.9 % 31.6 %	R R R R UJ UJ UJ UJ UJ R UJ UJ UJ	BS-1 Dilution BS-5 Dilution
3/22/2012 CHEM07 (16:33)	Benzidine 3-Nitroaniline	NR ¹ 40.3 %	R UJ	SBH-B SBC-B

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
3/23/2012 CHEM07 (02:32)	Benzidine	NR ¹	R	SBH-B SBC-B
	Bis(2-chloroethyl)ether	26.3 %	UJ	
	Hexachloroethane	52.2 %	UJ	
	2-Nitrophenol	28.3 %	UJ	
	Benzoic Acid	25.9 %	UJ	
	4-Chloroaniline	36.8 %	UJ	
	Hexachlorocyclopentadiene	91.8 %	R	
	3-Nitroaniline	129.9 %	R	
	2,4-Dinitrophenol	95.7 %	R	
	2-Nitroaniline	68.1 %	UJ	
	4,6-Dinitro-2-methylphenol	92.0 %	R	
	Benzo(k)fluoranthene	28.1 %	UJ	
	Indeno(1,2,3-cd)pyrene	44.9 %	UJ	
	Dibenz(a,h)anthracene	43.3 %	UJ	
	Benzo(g,h,i)perylene	51.2 %	UJ	
3/30/2012 CHEM07 (13:33)	4-Chloroaniline	28.9 %	UJ	SBD-2 SBH-3 SBD-3
	Hexachlorocyclopentadiene	27.2 %	R	
	2-Nitroaniline	46.7 %	UJ	
	Pentachlorophenol	26.8 %	UJ	
	Benzidine	NR ¹	R	
3/31/2012 CHEM07 (02:59)	3,3'-Dichlorobenzidine	26.7 %	UJ	SBD-2 SBH-3 SBD-3
	Bis(2-chloroethyl)ether	26.9 %	UJ	
	Benzoic Acid	58.2 %	UJ	
	Hexachlorocyclopentadiene	100.0 %	R	
	2,4-Dinitrophenol	98.8 %	R	
	2-Nitroaniline	63.0 %	UJ	
	4,6-Dinitro-2-methylphenol	96.4 %	R	
	Pentachlorophenol	53.6 %	UJ	
	Benzidine	NR ¹	R	
	Butyl Benzyl Phthalate	35.5 %	UJ	
	Bis(2-ethylhexyl)phthalate	51.1 %	UJ	
	3,3'-Dichlorobenzidine	57.5 %	UJ	
	Benzo(k)fluoranthene	31.6 %	UJ	
	Indeno(1,2,3-cd)pyrene	29.8 %	UJ	
	Dibenz(a,h)anthracene	34.0 %	UJ	
	Benzo(g,h,i)perylene	31.0 %	UJ	
4/01/2012 CHEM07 (16:33)	Hexachlorocyclopentadiene	48.0 %	UJ	SBH-3 Dilution
	3-Nitroaniline	39.4 %	UJ	
	2-Nitroaniline	35.4 %	UJ	
	Pentachlorophenol	31.9 %	UJ	
	Benzidine	NR ¹	R	
4/02/2012 CHEM07 (04:29)	Hexachloroethane	31.2 %	UJ	SBH-3 Dilution
	4-Chloroaniline	43.0 %	UJ	
	Hexachlorocyclopentadiene	97.4 %	R	
	3-Nitroaniline	156.0 %	R	
	2,4-Dinitrophenol	94.2 %	R	
	2-Nitroaniline	85.9 %	UJ	
	4,6-Dinitro-2-methylphenol	86.6 %	UJ	
	Benzidine	NR ¹	R	
4/02/2012 CHEM07 (16:28)	3,3'-Dichlorobenzidine	58.8 %	UJ	SBC-3
	Benzo(g,h,i)perylene	27.2 %	UJ	
	Hexachlorocyclopentadiene	44.3 %	R	
	3-Nitroaniline	52.3 %	UJ	
4/03/2012 CHEM07 (04:23)	Pentachlorophenol	37.1 %	UJ	SBC-3
	Benzidine	NR ¹	R	
	Benzoic Acid	46.8 %	UJ	
	4-Chloroaniline	47.1 %	UJ	
	Hexachlorocyclopentadiene	95.3 %	R	
	3-Nitroaniline	99.5 %	R	
	2,4-Dinitrophenol	91.5 %	R	
	2-Nitroaniline	47.4 %	UJ	
	4,6-Dinitro-2-methylphenol	83.7 %	UJ	
	Benzidine	NR ¹	R	
	Benzyl Butyl Phthalate	26.4 %	UJ	
	Indeno(1,2,3-cd)pyrene	29.8 %	UJ	
	Dibenz(a,h)anthracene	29.1 %	UJ	
	Benzo(g,h,i)perylene	40.0 %	UJ	

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
3/30/2012 CHEM12 (00:47)	4-Chloroaniline Benzidine 3,3'-Dichlorobenzidine	65.0 % NR ¹ 42.2 %	UJ R UJ	SBH-1 SBC-1 SBD-1 SBH-2 SBC-2
3/30/2012 CHEM12 (13:58)	4-Chloroaniline 2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol Benzidine 3,3'-Dichlorobenzidine	81.6 % 70.4 % 62.8 % NR ¹ 27.8 %	UJ R UJ R UJ	SBH-1 SBC-1 SBD-1 SBH-2 SBC-2 SBH-1 Dilution
3/31/2012 CHEM12 (01:08)	N-Nitrosodimethylamine 2-Nitrophenol 4-Chloroaniline Hexachlorocyclopentadiene 2,4-Dinitrophenol 2-Nitroaniline 4,6-Dinitro-2-methylphenol Carbazole Benzidine	28.0 % 29.4 % 69.2 % 41.9 % 36.7 % 128.7 % 27.8 % 25.1 % NR ¹	UJ UJ UJ UJ UJ R UJ UJ R	SBH-1 Dilution
6/01/2007	3-Nitroaniline 2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol 3,3'-Dichlorobenzidine Dibenz(a,h)anthracene Benzo(g,h,i)perylene	68.7 % 45.6 % 28.3 % 62.9 % 25.5 % 26.9 %	UJ UJ UJ UJ UJ J, UJ	B14-6 B14-6DL B29-11 B29-11DL B39-11 B39-11DL

1. NR – Value was not reported

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 14: Semivolatile Organics Analyses – Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Soil	2,4-Dinitrophenol	10 %/10 %	30 % to 130 %	R	BS-1 BS-2 BS-3 BS-4 BS-5 BS-6
Soil	2,4-Dinitrophenol	19 %/35 %	30 % to 130 %	UJ	SBH-B SBC-B

Internal Standards Recovery

The internal standard areas exceeded recovery limits for several samples. Qualification of sample results included the approximation of results when recoveries were greater than

the upper limit or less than the lower limit, but greater than 25 percent. Samples qualified due to internal standard recovery deviations are tabulated below.

Table 15: Semivolatile Organics Analyses -Internal Standard Deviations

Internal Standard	Sample ID	Percent Recovery	Affected Compounds	Qualifier
Perylene-d12	SBH-B	44.03 %	Benzo(b)fluoranthene	J, UJ
	SBC-B	44.53 %	Benzo(k)fluoranthene	J, UJ
	SBD-3	38.0 %	Benzo(a)pyrene	J, R
	SBH-2	45.84 %	Indeno(1,2,3-cd)pyrene	J, UJ
			Dibenz(a,h)anthracene	UJ
			Benzo(g,h,i)perylene	J, UJ

Matrix Spike Recovery

Matrix spike/matrix spike duplicate (MS/MSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries less than 10 percent. Samples qualified due to MS/MSD recovery deviations are tabulated below.

Table 16: Semivolatile Organics Analyses – MS/MSD Analysis Deviations

MS/MSD Sample ID	Compound	Percent Recovery (MS/MSD)	Control Limits	Qualifier	Affected Samples
02-09012 MS	Hexachlorocyclopentadiene	0 %/0 %	30 % to 130 %	R	BS-1
	2,4-Dinitrophenol	0 %/0 %	30 % to 130 %	R	BS-2
	4-Nitrophenol	0 %/0 %	30 % to 130 %	R	BS-3
	4,6-Dinitro-2-methylphenol	0 %/0 %	30 % to 130 %	R	BS-4
					BS-5
					BS-6
03-21-12 MS	2,4-Dinitrophenol	19 %/25 %	30 % to 130 %	UJ	SBH-B
					SBC-B
03-28-12 MS	Hexachlorocyclopentadiene	9 %/5 %	30 % to 130 %	R	SBH-1
	2,4-Dinitrophenol	9 %/10 %	30 % to 130 %	R	SBC-1
	4,6-Dinitro-2-methylphenol	26 %/21 %	30 % to 130 %	UJ	SBD-1
	Anthracene	7 %/14 %	30 % to 130 %	J, R	SBH-2
	Benzo(a)anthracene	25 %/-25 %	30 % to 130 %	J, UJ	SBC-2
	Chrysene	16 %/-10 %	30 % to 130 %	J, UJ	SBD-2
	Benzo(a)pyrene	5 %/4 %	30 % to 130 %	J, R	SBH-3
	Indeno(1,2,3-cd)pyrene	29 %/23 %	30 % to 130 %	J, UJ	SBC-3
	Benzo(g,h,i)perylene	12 %/7 %	30 % to 130 %	J, UJ	SBD-3

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory generated control limits. When two or more of the surrogate compounds per fraction (acid or base) exceed the recovery limits, the associated sample data require qualification. Detected and non-detected sample results were rejected (R) when surrogate recoveries

were less than 10 percent for two or more surrogate compounds. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 17: Semivolatile Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
SBC-3	2-Fluorophenol 2,4,6-Tribromophenol	22 % 4 %	30 % to 130 % 30 % to 130 %	J, UJ J, UJ	All acid extractable compounds
MW-B	All surrogate compounds	All less than 15 % with many less than 5 %	30 % to 130 %	R	Results for all compounds were rejected ¹
MW-1 MW-2 MW-3 MW-1 Dilution MW-2 Dilution MW-3 Dilution	All surrogate compounds	All less than 15 % with many less than 5 %	30 % to 130 %	R	Results for all compounds were rejected ²

1. The laboratory reported the surrogate recoveries for sample MW-B as being diluted below detectable limits to account for the low surrogate recovery values. Sample MW-B was not analyzed at a secondary dilution as indicated nor was the sample re-analyzed as required, therefore all semivolatile organics data for sample MW-B were rejected (R).
2. The laboratory reported the surrogate recoveries for samples MW-1, MW-2, and MW-3 as being diluted below detectable limits. The initial undiluted analyses for these samples indicated that the sample extraction process was not completed with sufficient efficiency and the samples were required to be re-extracted. The laboratory then chose to further dilute the original extracts to perform secondary analyses. Due to these deviations, all semivolatile organics data for these samples were rejected (R).

Overall Data Assessment

Overall, the laboratory performed semivolatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with the exception of 23.7 percent of the data which were rejected due to calibration, laboratory control sample recovery, matrix spike recovery, internal standard recovery, and surrogate recovery deviations. Additional qualification of data was required for method blank analysis deviations.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability, which was calculated separately for each type of analysis, is tabulated below.

Table 18: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Inorganics	100 %	None resulting in the rejection of data
Volatile Organics	100 %	None resulting in the rejection of data
Semivolatile Organics	76.31 %	Data were rejected due to calibration , matrix spike recovery, laboratory control sample recovery, internal standard recovery, and surrogate recovery deviations

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for field duplicate criteria deviations and 0.16 percent of the data were qualified for laboratory duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, 6.23 percent of the analytical data were qualified for deviations from matrix spike recovery criteria; 20.63 percent of the data were qualified for surrogate recovery criteria deviations; 0.93 percent of the data were qualified for internal standard recovery criteria deviations; 0.27 percent of the data were qualified for laboratory control sample deviations; and 17.91 percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and 0.27 percent of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The overall percent usability or completeness of the data was 88.6 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

Table of Contents

	<u>Page</u>
I. Part A: VOA Analyses	2
II. Part B: BNA Analyses	6
III. Part C: Metals Analyses	10

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	<u>Traffic Reports and Laboratory Narrative</u>			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	<u>Holding Times</u>			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	<u>System Monitoring Compound (SMC) Recovery (Form II)</u>			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?	X		
	If yes, were samples re-analyzed?		X	
	Were method blanks re-analyzed?		X	
3.5	Are there any transcription/calculation errors between raw data and Form II?	X		
4.0	<u>Matrix Spikes (Form III)</u>			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water <u>several</u> out of 70 Soils <u>several</u> out of 70			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water <u>several</u> out of 70 Soils <u>several</u> out of 70			

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
5.0	<u>Blanks (Form IV)</u>			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	<u>Contamination</u>			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?	X		
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?	X		
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	<u>GC/MS Instrument Performance Check (Form V)</u>			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?	X		
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	<u>Target Compound List (TCL) Analytes</u>			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.3	Are the response factors shown in the Quant Report?	X		

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	<u>Tentatively Identified Compounds (TIC)</u>			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?		X	
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?		X	
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	<u>Compound Quantitation and Reported Detection Limits</u>			
10.1	Are there any transcription/calculation errors in Form I results?	X		
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	<u>Standards Data (GC/MS)</u>			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	<u>GC/MS Initial Calibration (Form VI)</u>			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	X		
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)		X	
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?	X		

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
13.0	<u>GC/MS Continuing Calibration (Form VII)</u>			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?	X		
14.0	<u>Internal Standard (Form VIII)</u>			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?		X	
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	<u>Field Duplicates</u>			
15.1	Were any field duplicates submitted for VOA analysis?		X	

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
1.0	<u>Traffic Reports and Laboratory Narrative</u>			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	<u>Holding Times</u>			
2.1	Have any BNA technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	<u>System Monitoring Compound (SMC) Recovery (Form II)</u>			
3.1	Are the BNA Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
3.2	Are all the BNA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Were two or more base neutral or acid surrogate compound recoveries out of specification for any sample or method blank?	X		
	If yes, were samples re-analyzed?		X	
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	<u>Matrix Spikes (Form III)</u>			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?	X		
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil	X		
4.3	How many BNA spike recoveries are outside QC limits?			
	Water <u>several</u> out of 73 Soils <u>several</u> out of 73			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits? Water <u>several</u> out of 70 Soils <u>several</u> out of 73			
5.0	<u>Blanks (Form IV)</u>			
5.1	Is the Method Blank Summary (Form IV) present?	<u>X</u>	<u> </u>	<u> </u>
5.2	Frequency of Analysis: Has a reagent/method blank analysis been reported per 20 samples of a similar matrix, or concentration level, for each extraction batch?	<u>X</u>	<u> </u>	<u> </u>
5.3	Has a BNA method blank been analyzed for each GC/MS system used?	<u>X</u>	<u> </u>	<u> </u>
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for BNAs?	<u>X</u>	<u> </u>	<u> </u>
6.0	<u>Contamination</u>			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for BNAs?	<u>X</u>	<u> </u>	<u> </u>
6.2	Do any field/rinse blanks have positive BNA results (TCL and/or TIC)?	<u> </u>	<u> </u>	<u>X</u>
6.3	Are there field/rinse/equipment blanks associated with every sample?	<u> </u>	<u>X</u>	<u> </u>
7.0	<u>GC/MS Instrument Performance Check (Form V)</u>			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Decafluorotriphenylphosphine (DFTPP)?	<u>X</u>	<u> </u>	<u> </u>
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve-hour shift?	<u>X</u>	<u> </u>	<u> </u>
7.3	Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
7.4	Have the ion abundances been normalized to m/z 198?	<u>X</u>	<u> </u>	<u> </u>
7.5	Have the ion abundance criteria been met for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
7.6	Are there any transcription/calculation errors between mass lists and Form V's?	<u> </u>	<u>X</u>	<u> </u>
7.7	Have the appropriate number of significant figures (two) been reported?	<u>X</u>	<u> </u>	<u> </u>
7.8	Are the spectra of the mass calibration compound acceptable?	<u>X</u>	<u> </u>	<u> </u>
8.0	<u>Target Compound List (TCL) Analytes</u>			
8.1	Are the Organic Analysis Data Sheets (Form I BNA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	<u>X</u>	<u> </u>	<u> </u>
	b. Matrix spikes and matrix spike duplicates?	<u>X</u>	<u> </u>	<u> </u>
	c. Blanks?	<u>X</u>	<u> </u>	<u> </u>
8.2	Has GPC cleanup been performed on all soil/sediment sample extracts?	<u> </u>	<u>X</u>	<u> </u>
8.3	Are the BNA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
	a. Samples and/or fractions as appropriate?	<u>X</u>	<u> </u>	<u> </u>
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	<u>X</u>	<u> </u>	<u> </u>
	c. Blanks?	<u>X</u>	<u> </u>	<u> </u>
8.4	Are the response factors shown in the Quant Report?	<u>X</u>	<u> </u>	<u> </u>
8.5	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	<u>X</u>	<u> </u>	<u> </u>
	Resolution	<u>X</u>	<u> </u>	<u> </u>
	Peak shape?	<u>X</u>	<u> </u>	<u> </u>
	Full-scale graph (attenuation)?	<u>X</u>	<u> </u>	<u> </u>
	Other:			
8.6	Are the lab-generated standard mass spectra of identified BNA compounds present for each sample?	<u>X</u>	<u> </u>	<u> </u>
8.7	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
8.8	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
8.9	Do sample and standard relative ion intensities agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
9.0	<u>Tentatively Identified Compounds (TIC)</u>			
9.1	Are all Tentatively Identified Compound Forms (Form I, Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?	<u> </u>	<u> </u>	<u>X</u>
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	<u> </u>	<u> </u>	<u>X</u>
	b. Blanks?	<u> </u>	<u> </u>	<u>X</u>
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?	<u> </u>	<u>X</u>	<u> </u>
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> </u>	<u> </u>	<u>X</u>
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?	<u> </u>	<u> </u>	<u>X</u>
10.0	<u>Compound Quantitation and Reported Detection Limits</u>			
10.1	Are there any transcription/calculation errors in Form I results?	<u>X</u>	<u> </u>	<u> </u>
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
11.0	<u>Standards Data (GC/MS)</u>			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
12.0	<u>GC/MS Initial Calibration (Form VI)</u>			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the BNA fraction ?	X		
12.2	Are response factors stable for BNA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)		X	
12.3	Are all BNA compound RRFs > 0.01?	X		
12.4	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?	X		
13.0	<u>GC/MS Continuing Calibration (Form VII)</u>			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the BNA fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any semivolatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any semivolatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	<u>Internal Standard (Form VIII)</u>			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?		X	
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	<u>Field Duplicates</u>			
15.1	Were any field duplicates submitted for BNA analysis?		X	

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
1.0	<u>Form I to IX</u>			
1.1	Are all the Form I through Form IX labeled with:			
	Laboratory Name?	<u>X</u>	<u> </u>	<u> </u>
	Case/SAS No.?	<u> </u>	<u>X</u>	<u> </u>
	EPA sample No.?	<u> </u>	<u>X</u>	<u> </u>
	SDG No.?	<u>X</u>	<u> </u>	<u> </u>
	Contract No.?	<u>X</u>	<u> </u>	<u> </u>
	Correct units?	<u>X</u>	<u> </u>	<u> </u>
	Matrix?	<u>X</u>	<u> </u>	<u> </u>
1.2	Do any computer/transcription errors exceed 10% of reported values on Forms I-IX for:			
	A. All analytes analyzed by ICP?	<u> </u>	<u>X</u>	<u> </u>
	B. All analytes analyzed by GFAA?	<u> </u>	<u> </u>	<u>X</u>
	C. All analytes analyzed by AA Flame?	<u> </u>	<u> </u>	<u>X</u>
	D. Mercury?	<u> </u>	<u>X</u>	<u> </u>
	E. Cyanide?	<u> </u>	<u> </u>	<u>X</u>
2.0	<u>Raw Data</u>			
2.1	Digestion Log for flame AA/ICP (Form XIII) present?	<u>X</u>	<u> </u>	<u> </u>
2.2	Digestion Log for furnace AA (Form XIII) present?	<u> </u>	<u> </u>	<u>X</u>
2.3	Distillation Log for mercury (Form XIII) present?	<u>X</u>	<u> </u>	<u> </u>
2.4	Distillation Log for cyanides (Form XIII) present?	<u>X</u>	<u> </u>	<u> </u>
2.5	Are pH values (pH<2 for all metals, pH>12 for cyanide) present?	<u>X</u>	<u> </u>	<u> </u>
2.6	Percent solids calculation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
2.7	Are preparation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
2.8	Measurement read out record present?			
	A. ICP	<u>X</u>	<u> </u>	<u> </u>
	B. Flame AA	<u> </u>	<u> </u>	<u>X</u>
	C. Furnace AA	<u> </u>	<u> </u>	<u>X</u>
	D. Mercury	<u>X</u>	<u> </u>	<u> </u>
	E. Cyanides	<u> </u>	<u> </u>	<u>X</u>
2.9	Are all raw data to support all sample analyses and QC operations present?	<u>X</u>	<u> </u>	<u> </u>
3.0	<u>Holding Times</u>			
3.1	A. Mercury analysis (28 days) exceeded?	<u> </u>	<u>X</u>	<u> </u>
	B. Cyanide distillation (14 days) exceeded?	<u> </u>	<u> </u>	<u>X</u>

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
	C. Other Metals analysis (6 months) exceeded?	☐	☒	☐
3.2	Is pH of aqueous samples for:			
	A. Metals Analysis >2?	☐	☒	☐
	B. Cyanides Analysis <12?	☐	☐	☒
4.0	<u>Form I (Final Data)</u>			
4.1	Are all Forms I's present and complete?	☒	☐	☐
4.2	Are correct units (ug/l for waters and mg/kg for soils) indicated on Form I's?	☒	☐	☐
4.3	Are soil sample results for each parameter corrected for percent solids?	☒	☐	☐
4.4	Are all "less than IDL" values properly coded with "U"?	☒	☐	☐
4.5	Are the correct concentration qualifiers used with final data?	☒	☐	☐
4.6	Are EPA sample #s and corresponding laboratory sample ID #s the same as on the Cover Page, Form I's and in the raw data?	☒	☐	☐
4.7	Was a brief physical description of samples given on Form I's?	☒	☐	☐
4.8	Was the dilution of any sample diluted beyond the requirements of the contract noted on Form I or Form XIV?	☐	☒	☐
5.0	<u>Calibration</u>			
5.1	Is record of at least 2 point calibration present for ICP analysis?	☒	☐	☐
5.2	Is record of 5 point calibration present for Hg analysis?	☒	☐	☐
5.3	Is record of 4 point calibration present for:	☐	☐	☒
	Flame AA?	☐	☐	☒
	Furnace AA?	☐	☐	☒
	Cyanides?	☐	☐	☒
5.4	Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	☒	☐	☐
5.5	Is correlation coefficient less than 0.995 for:			
	Mercury Analysis?	☒	☐	☐
	Cyanide Analysis?	☐	☐	☒
	Atomic Absorption Analysis?	☐	☐	☒
5.6	In the instance where less than 4 standards are measured in absorbance (or peak area, peak height, etc.) Mode, are remaining standards analyzed in concentration mode immediately after calibration within +/- 10% of the true values?	☐	☐	☒
6.0	<u>Form II A (Initial and Continuing Calibration Verification)</u>			
6.1	Present and complete for every metal and cyanide?	☒	☐	☐
6.2	Present and complete for AA ICP when both are used for the same analyte?	☐	☐	☒
6.3	Are all calibration standards (initial and continuing) within control limits:			
	Metals - 90 - 110 %R	☒	☐	☐

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
	Hg - 80 - 120 %R	<u> X </u>	<u> </u>	<u> </u>
	Cyanides - 85 - 115 %R	<u> </u>	<u> </u>	<u> X </u>
6.4	Was continuing calibration performed every 10 samples or every 2 hours?	<u> X </u>	<u> </u>	<u> </u>
6.5	Was ICV for cyanides distilled?	<u> </u>	<u> </u>	<u> X </u>
7.0	<u>Form II B (CRDL Standards for AA and ICP)</u>			
7.1	Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	<u> X </u>	<u> </u>	<u> </u>
7.2	Was a mid range calibration verification standard distilled and analyzed for cyanide analysis?	<u> X </u>	<u> </u>	<u> </u>
7.3	Was a 2xCRDL (or 2xIDL when IDL>CRDL) analyzed (CRI) for each ICP run?	<u> X </u>	<u> </u>	<u> </u>
7.4	Was CRI analyzed after ICV/ICB and before the final CCV/CCB, and twice every eight hours of ICP run?	<u> X </u>	<u> </u>	<u> </u>
7.5	Are CRA and CRI standards within control limits: Metals 70 – 130 %R?	<u> X </u>	<u> </u>	<u> </u>
7.6	Is mid-range standard within control limits: Cyanide 70 - 130 %R?	<u> </u>	<u> </u>	<u> X </u>
8.0	<u>Form III (Initial and Continuing Calibration Blanks)</u>			
8.1	Present and complete?	<u> X </u>	<u> </u>	<u> </u>
8.2	For both AA and ICP when both are used for the same analyte?	<u> </u>	<u> </u>	<u> X </u>
8.3	Was an initial calibration blank analyzed?	<u> X </u>	<u> </u>	<u> </u>
8.4	Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	<u> X </u>	<u> </u>	<u> </u>
8.5	Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	<u> X </u>	<u> </u>	<u> </u>
8.6	Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?	<u> </u>	<u> </u>	<u> X </u>
9.0	<u>Form III (Preparation Blank)</u>			
9.1	Was one preparation blank analyzed for: each Sample Delivery Group?	<u> X </u>	<u> </u>	<u> </u>
9.2	Is concentration of preparation blank value greater than the CRDL when IDL is less than or equal to CRDL?	<u> </u>	<u> X </u>	<u> </u>
9.3	If yes, is the concentration of the sample with the least concentrated analyte less than 10 times the preparation blank?	<u> </u>	<u> </u>	<u> X </u>
9.4	Is concentration of preparation blank value (Form III) less than two times IDL, when IDL is greater than CRDL?	<u> </u>	<u> </u>	<u> X </u>
9.5	Is concentration of preparation blank below the negative CRDL?	<u> </u>	<u> X </u>	<u> </u>
10.0	<u>Form IV (Interference Check Sample)</u>			
10.1	Present and Complete?	<u> X </u>	<u> </u>	<u> </u>

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
10.2	Are all Interference Check Sample results inside the control limits (+/- 20%)?	☒	☐	☐
10.3	If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?	☐	☐	☒
11.0	<u>Form V A (Spiked Sample recovery - Pre-Digestion/Pre-Distillation)</u>			
11.1	Present and complete for:			
	each SDG?	☒	☐	☐
	each matrix type?	☒	☐	☐
	each concentration range (i.e., low, medium, high)?	☒	☐	☐
	For both AA and ICP when both are used for the same analyte?	☐	☐	☒
11.2	Was field blank used for spiked sample?	☐	☒	☐
11.3	Are all recoveries within control limits?	☐	☒	☐
11.4	If no, is sample concentration greater than or equal to four times spike concentration?	☐	☒	☐
12.0	<u>Form VI (Lab Duplicates)</u>			
12.1	Present and complete for :			
	each SDG?	☒	☐	☐
	each matrix type?	☒	☐	☐
	each concentration range (i.e., low, medium, high)?	☒	☐	☐
	both AA and ICP when both are used for the same analyte?	☐	☐	☒
12.2	Was field blank used for duplicate analysis?	☐	☒	☐
12.3	Are all values within control limits (RPD 20% or difference $\leq$ +/-CRDL)?	☐	☒	☐
12.4	If no, are all results outside the control limits flagged with an * on Form I's and VI?	☒	☐	☐
13.0	<u>Field Duplicates</u>			
13.1	Were field duplicates analyzed?	☐	☒	☐
13.2	<u>Aqueous</u>			
	Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?	☐	☐	☒
	Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	☐	☐	☒
13.3	<u>Soil/Sediment</u>			
	Is any RPD (where sample and duplicate are both greater than 5 times CRDL): >100%?	☐	☐	☒
	Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL): >2x CRDL?	☐	☐	☒
14.0	<u>Form VII (Laboratory Control Sample)</u>			
14.1	Was one LCS prepared and analyzed for:			
	each SDG?	☒	☐	☐

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
	each batch samples digested/distilled?	☒	☐	☐
	both AA and ICP when both are used for the same analyte?	☐	☐	☒
14.2	<u>Aqueous LCS</u>			
	Is any LCS recovery:			
	less than 50%?	☐	☒	☐
	between 50% and 79%?	☐	☒	☐
	between 121% and 150%?	☐	☒	☐
	greater than 150%?	☐	☒	☐
14.3	<u>Solid LCS</u>			
	Is LCS "Found" value higher than the control limits on Form VII?	☐	☒	☐
	Is LCS "Found" value lower than the control limits on Form VII?	☐	☒	☐
15.0	<u>Form IX (ICP Serial Dilution)</u>			
15.1	Was serial dilution analysis performed for:			
	each SDG?	☒	☐	☐
	each matrix type?	☒	☐	☐
	each concentration range (i.e., low, medium, high)?	☒	☐	☐
15.2	Was field blank(s) used for Serial Dilution Analysis?	☐	☒	☐
15.3	Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater?	☒	☐	☐
15.4	Are any %difference values:			
	>10%	☐	☒	☐
	>=100%	☐	☒	☐
16.0	<u>Furnace Atomic Absorbtion (AA) QC Analysis</u>			
16.1	Are duplicate injections present in furnace raw data for each sample analyzed by GFAA?	☐	☐	☒
16.2	Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or Coefficient of Variation (CV) for concentration greater than CRDL?	☐	☐	☒
16.3	Was a dilution analyzed for sample with analytical spike recovery less than 40%?	☐	☐	☒
16.4	Is analytical spike recovery outside the control limits (85 - 115%) for any sample?	☐	☐	☒
17.0	<u>Form VIII (Method of Standard Addition Results)</u>			
17.1	Present?	☐	☐	☒
17.2	If no, is any Form I result coded with "S" or a "+"?	☐	☐	☒
17.3	Is coefficient of correlation for MSA less than 0.990 for any sample?	☐	☐	☒
17.4	Was MSA required for any sample but not performed?	☐	☐	☒
17.5	Is coefficient of correlation for MSA less than 0.995?	☐	☐	☒

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
17.6	Are MSA calculations outside the linear range of the calibration curve generated at the beginning of the analytical run?			<input checked="" type="text"/> X
17.7	Was proper Quantitation procedure followed correctly as outlined in the SOW on page E-23?			<input checked="" type="text"/> X
18.0	<u>Dissolved/Total or Inorganic/Total Analytes</u>			
18.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?		<input checked="" type="text"/> X	
18.2	Were any analyses performed for inorganic as well as total (organic and inorganic) analytes on the same sample(s)?	<input checked="" type="text"/> X		
18.3	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 10%?		<input checked="" type="text"/> X	
18.4	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 50%?		<input checked="" type="text"/> X	
19.0	<u>Form I (Field Blank)</u>			
19.1	Is field blank concentration less than CRDL (or 2 x IDL when IDL>CRDL) for all parameters of associated aqueous and soil samples?			<input checked="" type="text"/> X
19.2	If no, was field blank value already rejected due to other QC criteria?			<input checked="" type="text"/> X
20.0	<u>Form X, XI, XII (Verification of Instrumental Parameters)</u>			
20.1	Is verification report present for:			
	Instrument Detection Limits (quarterly)?	<input checked="" type="text"/> X		
	ICP Interelement Correction Factors (annually)?	<input checked="" type="text"/> X		
	ICP Linear Ranges (quarterly)?	<input checked="" type="text"/> X		
21.0	<u>Form X (Instrument Detection Limits)</u>			
21.1	Are IDLs present for:			
	all the analytes?	<input checked="" type="text"/> X		
	all the instruments used?	<input checked="" type="text"/> X		
	For both AA and ICP when both are used for the same analyte?			<input checked="" type="text"/> X
21.2	Is IDL greater than CRDL for any analytes?		<input checked="" type="text"/> X	
21.3	If yes, is the concentration on Form I of the sample analyzed on the instrument whose IDL exceeds CRDL, greater than 5 x IDL?			<input checked="" type="text"/> X
22.0	<u>Form XI (Linear Ranges)</u>			
22.1	Was any sample result higher than the high linear range of ICP?		<input checked="" type="text"/> X	
22.2	Was any sample result higher than the highest calibration standard for non-ICP parameters?		<input checked="" type="text"/> X	
22.3	If yes for any of the above, was the sample diluted to obtain the result on Form I?			<input checked="" type="text"/> X
23.0	<u>Percent Solids of Sediments</u>			
23.1	Are percent solids in sediment(s):			

Data Validation Checklist - Part C: Metals Analysis

No:	Parameter	YES	NO	N/A
	<50%?	_____	<u> X </u>	_____
	<10%?	_____	<u> X </u>	_____

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13	2
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5.	Has the contamination gone off-site?	6	14
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14.	No Fish and Wildlife Resources Impact Analysis needed.		