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TASK 210 – SUBSURFACE SITE INVESTIGATION REPORT

CONNECTICUT DEPARTMENT OF TRANSPORTATION
PARKING LOT EXPANSION
CT TRANSIT FACILITY
LEIBERT ROAD
HARTFORD, CONNECTICUT

Prepared for:

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BL Companies Project Number 14EC0056
ConnDOT Project No. 401-0011
Assignment No. 314-5508

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This report was prepared by the individuals listed below. Any questions or comments regarding the information provided herein should be directed to these individuals.

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TABLE OF CONTENTS

1.0 INTRODUCTION

BL Companies was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) in support of ConnDOT Project No. 401-0011, parking lot expansion project in Hartford, Connecticut. This report provides a brief description and history of the project area, a discussion of the local environment and receptors, the investigation rationale, a summary of the data obtained during the investigation, an interpretation of the results with respect to the appropriate regulatory criteria, and recommendations.

1.1 Background and Purpose

The project site is a 2.6-acre property, located adjacent to the CT Transit Facility off Leibert Road in Hartford, Connecticut. This project consists of constructing a new CT Transit parking lot, which will be an expansion to the existing CT Transit parking lot to the north, and includes cut/fill areas, paving, drainage improvements, curbing, and fencing. The site's location and pertinent features are depicted on the enclosed Site Location Map (**Figure 1**) and Site Investigation Plan (**ENV-01**).

The purpose of this Task 210 SSI is to attain soil and groundwater data to evaluate whether the proposed construction activities require management of contaminated soil and/or groundwater.

1.2 Scope of Work

BL Companies completed a Task 210 SSI work plan, dated February 10, 2017, which was approved by ConnDOT. The scope of work included the following tasks:

- Pre-drilling activities (1) mark proposed drilling locations, (2) contact Call-Before-You-Dig to request mark outs of subsurface utilities and review existing utility plans, and (3) meet on-site to discuss proposed drilling locations with representatives of ConnDOT, CT Transit, and other utility companies/agencies, if necessary;
- Completion of 11 soil borings SB-1 through SB-11 to depths ranging from 5 to 15 feet below grade (ftbg) using a Geoprobe direct push rig.
- Installation of three temporary groundwater monitoring wells at SB-2, SB-7, and SB-9;
- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of up to two soil samples per boring for one or more of the following:
    - Volatile Organic Compounds (VOCs) by EPA Method 8260;
    - Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270;
    - Extractable Total Petroleum Hydrocarbons (ETPH) by CT ETPH Method;
    - Total RCRA 8 Metals by EPA Methods 6010/ 7471;

  - Leachable RCRA 8 Metals using the toxicity characteristic leaching procedure (TCLP);
  - Polychlorinated Biphenyls (PCBs) by EPA Method 8082;
  - Pesticides by EPA Method 8081; and
  - Ignitability; Reactivity; and pH.

- Collection and laboratory analysis of groundwater samples from three temporary wells for the following:
  - VOCs by EPA Method 8260;
  - SVOCs by EPA Method 8270;
  - ETPH by CT ETPH Method;
  - PCBs by EPA Method 8082;
  - Pesticides by EPA Method 8081; and
  - Total and Dissolved Lead, Copper, and Zinc by EPA Method 6010/7471.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the "Surficial Materials Map of Connecticut", dated 1992, surficial materials at the Site consist of alluvium overlying fines. Based on observations during boring installation, surficial materials consist of brown silt, some clay and fine to coarse sand, with traces of fine to coarse gravel. Boring logs are included as **Appendix C**.

2.2 Bedrock Geology

According to the "Bedrock Geological Map of Connecticut", dated 1985, the project area is underlain by the Portland Arkose, which is described as reddish brown to maroon micaceous arkose (brownstone).

2.3 Groundwater

Based on a review of the Water Quality Classifications Map for Hartford, Connecticut, dated November 2015, the project area has been designated by Department of Energy and Environmental Protection (DEEP) as "GB" quality. The GB classification indicates that groundwater at the Site is not suitable for human consumption without treatment. During this Task 210 SSI, groundwater was encountered at depths ranging from 7 to 12 ftbg.

Based on the presence of the Connecticut River, the general direction of groundwater flow is inferred to be east/southeast.

2.4 Surface Water

The Connecticut River is located approximately 0.3 miles to the east/southeast of the project area. The Connecticut River is classified as "SB" surface water body, according to the above-referenced DEEP map. Class SB surface waters are designated for use as marine fish, shellfish and wildlife habitat, shellfish harvesting for transfer to approved areas for purification prior to human consumption, recreation, industrial and other legitimate uses including navigation. An unnamed pond is located to the south-southwest of the Site. The unnamed pond is classified as an "A" water body, which has a designated use of habitat for fish and other aquatic life and wildlife, potential drinking water supply, recreation, navigation, and water supply for industry and agriculture.

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the advancement of 11 borings, installation of two temporary monitoring wells, and collection and laboratory analysis of 23 soil and two groundwater samples. BL Companies subcontracted Cummins Envirotech, Inc., (CEI) of Old Lyme, Connecticut to advance the borings and to install the temporary wells. The soil boring locations are depicted on **ENV-01**.

On February 21, 2017, there was limited access to soil borings SB-6, SB-7, SB-8, SB-10, and SB-11 due to snow. Therefore, surficial soil samples (0-2 ftbg) were collected at these boring locations. On March 2, 2017, CEI remobilized to complete these borings in order to obtain deeper samples. In addition, since groundwater was not encountered at boring SB-2, a temporary well was not installed and a groundwater sample was not collected. Groundwater samples were collected from borings SB-7 and SB-9.

Soil and groundwater samples were analyzed for regulated constituents of concern associated with the roadway, and nearby property uses. **Table 1** in **Appendix B** provides a summary of the sampling rationale and the laboratory analyses requested for each soil and groundwater sample. The following sections summarize the field investigation and sampling methodologies used during this investigation.

3.1 Soil Boring Installation and Sampling

On February 21, 2017 and March 2, 2017, eleven soil borings, identified as SB-1 through SB-11, were advanced to a depth of 5 to 15 ftbg using a track-mounted Geoprobe direct-push drill rig. Soil samples were obtained continuously during advancement of the borings using a 2-inch diameter, 5-foot long, sampling device equipped with disposable acetate liners. In addition, surficial soil samples were collected to a depth of 2 ftbg using a hand-auger at borings SB-6, SB-7, SB-8, SB-10, and SB-11.

A representative portion of each 5-foot soil core were screened with a PID to detect estimated quantities of total VOCs in vapor emitted from the soil. The PID was equipped with a 10.6 eV bulb and was calibrated to isobutylene standard gas (100 parts per million (ppm)). The results of the PID screening ranged from 0.0 to 1.6 ppm and are provided on the boring logs in **Appendix C**. The highest PID concentrations were observed at boring B-8 where petroleum contamination was noted.

Soil samples were selected for laboratory analysis based upon observations (physical evidence of contamination and/or lithology change), the results of the field screening, and anticipated excavation depths. The samples were submitted under proper chain of custody to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut, a State of Connecticut Department of Public Health certified environmental testing laboratory.

3.2 Groundwater Sampling

Following soil sampling, a 1-inch diameter PVC screen and riser pipe were inserted into boring SB-7/GW and SB-9/GW, as a temporary groundwater well. The wells were sampled at a low-flow rate using a peristaltic pump. Groundwater was pumped directly into pre-preserved sample containers provided by the laboratory and placed in a cooler with ice. The groundwater samples were submitted to Phoenix under proper chain of custody control.

4.0 REGULATORY CRITERIA

The soil analytical results were compared to the numeric criteria listed in the Connecticut DEEP Remediation Standard Regulations (RSRs), sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies, dated June 2013, and compared to the published 2015 numeric criteria for additional polluting substances not promulgated in the June 2013 RSRs. The RSRs were developed by the DEEP to define the remediation performance standards for soil and groundwater to be protective of human health and the environment.

The RSRs apply specifically to sites at which remedial actions are required by the DEEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, a transfer of an establishment under CGS Section 22a-134a, and sites that are enrolled in the Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

The Site is not regulated under any of the above State statutes; however, BL Companies used the numeric criteria stated above as guidelines to evaluate concentrations of regulated compounds detected in soil. DEEP defines polluted soil as containing any substance at a concentration above the analytical detection limit. Contaminated soil is defined as any substance whose concentration exceeds the numeric criteria of the RSRs. Both classifications require special handling, re-use, and disposal requirements.

Based on discussions between ConnDOT and DEEP, the numeric criteria in the RSRs do not provide the best method for construction projects to determine whether treatment of groundwater is necessary prior to discharge. In accordance with DEEP guidance, groundwater analytical results were compared to the effluent limits established under both DEEP General Permits for the Discharge of Groundwater Remediation Wastewater (to Sanitary or Surface Water) for proper groundwater management.

The following sections provide a summary of the soil and groundwater criteria utilized during this Task 210 SSI.

4.1 Soil Criteria

Direct Exposure Criteria (DEC)

The DEC are designed to protect human health from risks associated with exposure to pollutants in contaminated soil within 15 feet of the ground surface.

The RSRs provide two sets of DEC, one for residential land use (RES DEC) and another for industrial/commercial land use (I/C DEC). The CTDEEP RSRs define "residential activity" under CGS Section 22a-133k-1(a) to include any activity related to a residence or dwelling, or to a school, hospital, day care center, playground, or outdoor recreation area. Remediation to the RES DEC is required unless an ELUR is recorded that restricts residential use. For this project, BL Companies compared the soil analytical results to both the RES DEC and I/C DEC.

Pollutant Mobility Criteria (PMC)

The PMC are designed to protect groundwater quality by reducing or eliminating the potential for migration of pollutants to groundwater from contaminated soil. The RSRs provide two sets of PMC based on the groundwater classification of the Site, as designated by DEEP. The project is in a "GB" designated area. Therefore, soil analytical results were compared to the GB PMC, which apply to soil located from the ground surface to the depth of the seasonal high water table.

4.2 Groundwater Criteria

Maximum Concentration Limits (MCLs) Established in DEEP General Permits for Discharge of Groundwater Remediation Wastewater Directly to Surface Water or Sanitary Sewer

MCLs established in DEEP General Permits for Discharge of Groundwater Remediation Wastewater Directly to Surface Water or Sanitary Sewer apply to impacted groundwater that is discharged during construction dewatering. To evaluate whether construction dewatering would require treatment prior to discharge, BL Companies compared the groundwater analytical results to the Remediation Waste Water Discharge MCLs.

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

Soil analytical results are summarized in **Table 2** in **Appendix B** along with the regulatory criteria. The soil analytical laboratory reports are included in **Appendix D**.

VOCs

All soil samples were analyzed for VOCs by EPA Method 8260. Low-level VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, methyl t-butyl ether (MTBE), and total xylenes, were detected in SB-5 (3-5'), SB-5 (6-8'), and SB-8 (10-12') at concentrations below the RSR criteria. VOCs were not detected in any other samples.

SVOCs

All soil samples were analyzed for SVOCs by EPA Method 8270. SVOCs were detected in samples SB-5 (3-5'), SB-8 (5-7'), SB-9 (2-4'), and SB-11 (0-2') at concentrations above the RSR criteria. SVOCs were detected in samples SB-1 (2-4'), SB-8 (0-2'), SB-8 (10-12'), SB-10 (3-5'), and SB-11 (3-5') at concentrations below the RSR criteria. SVOCs were not detected in any other samples.

ETPH

All soil samples were analyzed for ETPH by CT ETPH Method. ETPH was detected in soil sample SB-8 (5-7') at a concentration above the RES DEC, I/C DEC, and GB PMC. ETPH was detected in soil samples SB-7/GW (5-7') and SB-8 (10-12') at concentrations above the RES DEC. ETPH was detected in soil samples SB-7/GW (10-12') and SB-11 (3-5') at concentrations below the RSR criteria. ETPH was not detected in any other samples.

Metals

All soil samples were analyzed for total RCRA 8 metals for comparison to the DEC.

- Arsenic was detected in all samples at concentrations ranging from 2.05 to 8.9 milligrams per kilogram (mg/kg), which are below the RES DEC and I/C DEC.
- Barium was detected in all samples at concentrations ranging from 21.6 to 315 mg/kg, which are below the RES DEC and I/C DEC.
- Cadmium was detected in 19 soil samples at concentrations ranging from 0.46 to 31.6 mg/kg, which are below the RES DEC and I/C DEC.
- Chromium was detected in SB-8 (5-7') at a concentration exceeding the RES DEC and I/C DEC. Chromium was detected in all other samples at concentrations ranging from 8.37 to 41.2 mg/kg, which are below the RES DEC and I/C DEC.
- Lead was detected in SB-8 (5-7') at a concentration exceeding the RES DEC and I/C DEC. Lead was detected in SB-11 (0-2') and SB-11 (3-5') at concentrations exceeding RES DEC. Lead was detected in all other samples except SB-1 (7-9') at concentrations ranging from 1.87 to 141 mg/kg, which are below the RES DEC and I/C DEC.

- Mercury was detected in 17 soil samples at concentrations ranging from 0.03 to 8.95 mg/kg, which are below the RES DEC and I/C DEC.
- Silver was detected in SB-11 (0-2') and SB-11 (3-5') at a concentration of 2.2 and 1.35 mg/kg, respectively, which are below the RES DEC and I/C DEC. Silver was not detected in any other samples.
- Selenium was not detected in any soil samples.

The soil samples were additionally analyzed for leachable RCRA 8 metals by TCLP for comparison to the GB PMC.

- TCLP arsenic was detected in soil sample SB-7/GW (10-12') at a concentration of 0.03 milligrams per liter (mg/L), which is below the GB PMC. TCLP arsenic was not detected in any other sample.
- TCLP barium was detected in all soil samples at concentrations ranging from 0.11 to 1.51 mg/L, which are below the GB PMC.
- TCLP cadmium was detected in SB-7/GW (5-7') and SB-8 (5-7') at concentrations of 0.275 and 0.084 mg/L, respectively, exceeding the GB PMC. TCLP was detected in seven additional soil samples at concentrations ranging from 0.001 to 0.028 mg/L, which are below the GB PMC.
- TCLP chromium was detected in soil samples SB-6 (5-7') and SB-8 (5-7') at concentrations of 0.003 and 0.049 mg/L, respectively, which are below the GB PMC. TCLP chromium was not detected in any other soil samples.
- TCLP lead was detected in six soil samples at concentrations ranging from 0.215 to 7.35 mg/L, exceeding the GB PMC. TCLP lead was detected in 14 other soil samples at concentrations below the GB PMC. In addition, the TCLP lead concentration of 7.35 mg/L in sample SB-8 (5'-7') exceeds the EPA Hazardous Regulatory level of 5 mg/L.
- TCLP selenium, mercury, and silver were not detected in any soil samples.

PCBs

All soil samples were analyzed for PCBs by EPA Method 8082. Aroclor 1268 was detected in sample SB-10 (0-2') at a concentration of 1.3 mg/kg, exceeding the RES DEC. No PCBs were detected in any other soil samples.

Pesticides

All soil samples were analyzed for pesticides by EPA Method 8081.

- 4,4'-DDE was detected in soil samples SB-9 (2-4'), SB-11 (0-2'), and SB-11 (3-5') at concentrations above the GB PMC, but below the RES DEC and I/C DEC.
- 4,4'-DDT was detected in soil samples SB-11 (0-2') and SB-11 (3-5') at concentrations above the GB PMC, but below the RES DEC and I/C DEC.
- Pesticides were detected in soil samples SB-3 (1-3'), SB-4 (0-5'), and SB-6 (0-2') at concentrations below the RSR criteria.

Reactivity, Ignitability, and Corrosivity

Select soil samples were analyzed for reactive cyanide and sulfide, ignitability, and pH. Reactive sulfide and cyanide were detected at low levels in all samples. Based on the laboratory results, the soil does not exhibit hazardous characteristics of reactivity, ignitability, and corrosivity.

5.2 Groundwater Sample Analytical Results

Two groundwater samples, identified as SB-7/GW and SB-9/GW, were submitted for laboratory analysis of VOCs, SVOCs, ETPH, PCBs, pesticides, and total and dissolved copper, lead, and zinc during this Task 210 SSI. Groundwater analytical results in comparison to the General Permit Discharge MCLs are summarized in **Table 3** in **Appendix B**. The groundwater analytical laboratory report is included in **Appendix D**.

VOCs, SVOCs, ETPH, Pesticides, and PCBs

VOCs, SVOCs, ETPH, pesticides, and PCBs were not detected above the reportable detection limits in the groundwater samples.

Metals

- Total copper was detected in sample SB-7/GW below the general permit MCLs.
- Total lead was detected in sample SB-7/GW below the general permit MCLs.
- Total zinc was detected in samples SB-7/GW and SB-9/GW below the general permit MCLs.
- Dissolved zinc was detected in samples SB-7/GW and SB-9/GW below the general permit MCLs.
- Dissolved copper and lead were not detected in any samples.

5.3 Quality Assurance (QA)/Quality Control (QC) Results

All samples were analyzed using the DEEP Reasonable Confidence Protocol (RCP), where applicable, and meet the RCP requirements. BL Companies also reviewed the laboratory RCP Certification Report to evaluate the reliability of the analytical data. The case narratives do not indicate any non-conformances that would affect the usability of the data.

Soil

A trip blank sample was prepared at the laboratory and accompanied the sample containers during transport to evaluate the potential for cross-contamination from the surrounding environment during transport. The trip blank samples were analyzed for VOCs. VOCs were not detected in any of the trip blank samples, indicating that there was likely no cross-contamination of the samples during transportation.

A duplicate soil sample was collected from one randomly selected soil sample location, B-2 (13-15'), to evaluate the accuracy of the laboratory analytical data, measured as Relative Percent Difference (RPD) as defined by the DEEP Laboratory Quality Assurance and Quality Control

Guidance Document, dated May 2009, revised December 2010. The duplicate was analyzed for VOCs, SVOCs, ETPH, PCBs, pesticides, and total and TCLP RCRA 8 metals. Total lead concentrations resulted in an RPD of 57.9, which is slightly greater than the acceptable RPD of 50 for non-aqueous samples. Since both results are well below RSR criteria, the usability of the data is not affected. There were no other RPDs greater than 50 based on the analytical results.

Groundwater

A field blank sample was collected by running de-ionized water through the sampling equipment and into the laboratory provided sample containers. The purpose of a field blank sample is to evaluate the potential for cross-contamination due to the sampling equipment or technique. The field blank sample was analyzed for VOCs, SVOCs, ETPH, PCBs, pesticides, and total and dissolved lead, copper, and zinc. No compounds were detected in the field blank sample, indicating that there was likely no cross-contamination of the samples from the sampling equipment.

A trip blank sample was prepared at the laboratory and accompanied the sample containers during transport to evaluate the potential for cross-contamination from the surrounding environment during transport. The trip blank samples were analyzed for VOCs. VOCs were not detected in either of the samples, indicating that there was likely no cross-contamination of the samples during transport.

A duplicate sample was collected from SB-9/GW to evaluate the accuracy of the laboratory analytical data, measured as RPD. The duplicate sample was analyzed for VOCs, SVOCs, ETPH, pesticides, and total and dissolved lead, copper and zinc. Analytical results were within the acceptable RPD of 30 for aqueous samples.

6.0 POTENTIAL SOURCES OF CONTAMINATION, RECEPTORS, AND IDENTIFIED PRELIMINARY AREAS OF ENVIRONMENTAL CONCERN

The following provides a summary of the potential sources of soil and groundwater contamination identified during completion of this Task 210 SSI, an evaluation of potential pathways for migration, and the identification of preliminary Hazardous Areas of Environmental Concern (HAOECs), Areas of Environmental Concern (AOECs), Low-Level Areas of Environmental Concern (LLAOECs), and/or Groundwater Areas of Environmental Concern (GW AOEC) within the project area. Preliminary AOECs are depicted on Site Investigation Plan (**ENV-01**).

Based on the Task 210 SSI results, the following two AOECs were identified:

HAOEC 1- Contaminated Soil in the Vicinity of Boring SB-8

Leachable lead was detected at a concentration exceeding the EPA Hazardous Regulatory Level in soil from 5 to 7 ftbg. Additionally, SVOCs, ETPH, total chromium and lead, and leachable cadmium and lead were detected above RSR criteria at depths ranging from 5 to 12 ftbg. Therefore, any soil removed from HAOEC 1 should be handled as hazardous material. The source of the elevated levels is likely associated with fill material and adjacent property use.

Proposed work within HAOEC 1 includes drainage improvements and paving. Potential receptors of the impacted soil include workers involved in the construction activities.

AOEC 1 (Site-Wide) – Contaminated Soil in the Vicinity of Borings SB-1, SB-4, SB-5, SB-7, SB-9, SB-10, and SB-11

SVOCs, ETPH, PCBs, pesticides, and metals (cadmium and lead) were detected at concentrations exceeding RSR criteria in soil samples collected at depths ranging from 0 to 7 ftbg. Therefore, any soil removed from AOEC 1 should be reused onsite within AOEC 1 or handled as controlled material. The source of the elevated levels is likely associated with fill material and adjacent property use.

Proposed work within AOEC 1 includes cut/fill areas and installation of drainage, paving, curbing, and fencing. Potential receptors of the impacted soil include workers involved in the construction activities.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical data collected by BL Companies, preliminary HAOEC and AOEC were identified within the project area, as summarized below:

- Soil within HAOEC 1 contains leachable lead at a concentration exceeding the EPA Hazardous Regulatory Level and SVOCs, ETPH, total chromium and lead, and leachable cadmium and lead above RSR criteria, and therefore should be handled or managed as hazardous material. Additionally, an alternate location for the underground water treatment structure should be evaluated.

- Soil within AOEC 1 (Site-Wide) contains SVOCs, ETPH, PCBs, pesticides, and metals (cadmium and lead) at concentrations above RSR criteria and therefore handled or managed as contaminated material.

Based on the results of this Task 210 SSI, BL Companies recommends that a Task 310 – Plans, Specifications, and Estimates be assigned to prepare plans and specifications for the proper management and/or disposal of hazardous and contaminated materials (soil) that may be reused, removed, handled, transported, or disposed during construction activities and for the establishment of appropriate worker health and safety protocols.

8.0 LIMITATIONS

The conclusions stated above are based solely on the information described in this report. The data and observations generated during this investigation reflect the conditions found on the project site on the dates and at the locations specified. Where visual observations are included in the report, they represent conditions at the time of investigation, and may not be indicative of past or future conditions. The data cannot be extrapolated to locations on the site that were not tested, or to compounds for which tests were not conducted.

Latent conditions and other information may become evident in the future based on currently unavailable evidence. BL Companies assumes no responsibility for such conditions or for the inspection, engineering, or repair that might be required to discover or correct such factors. Should such evidence arise, it should be forwarded to BL Companies so that additional conclusions and recommendations may be evaluated as necessary.

This report has been completed solely for the benefit and individual use of the client. No part thereof, nor any copy of the same, shall be used for any purpose by anyone other than the client. No disclosure or reliance of this report may be made without the prior written consent of BL Companies.

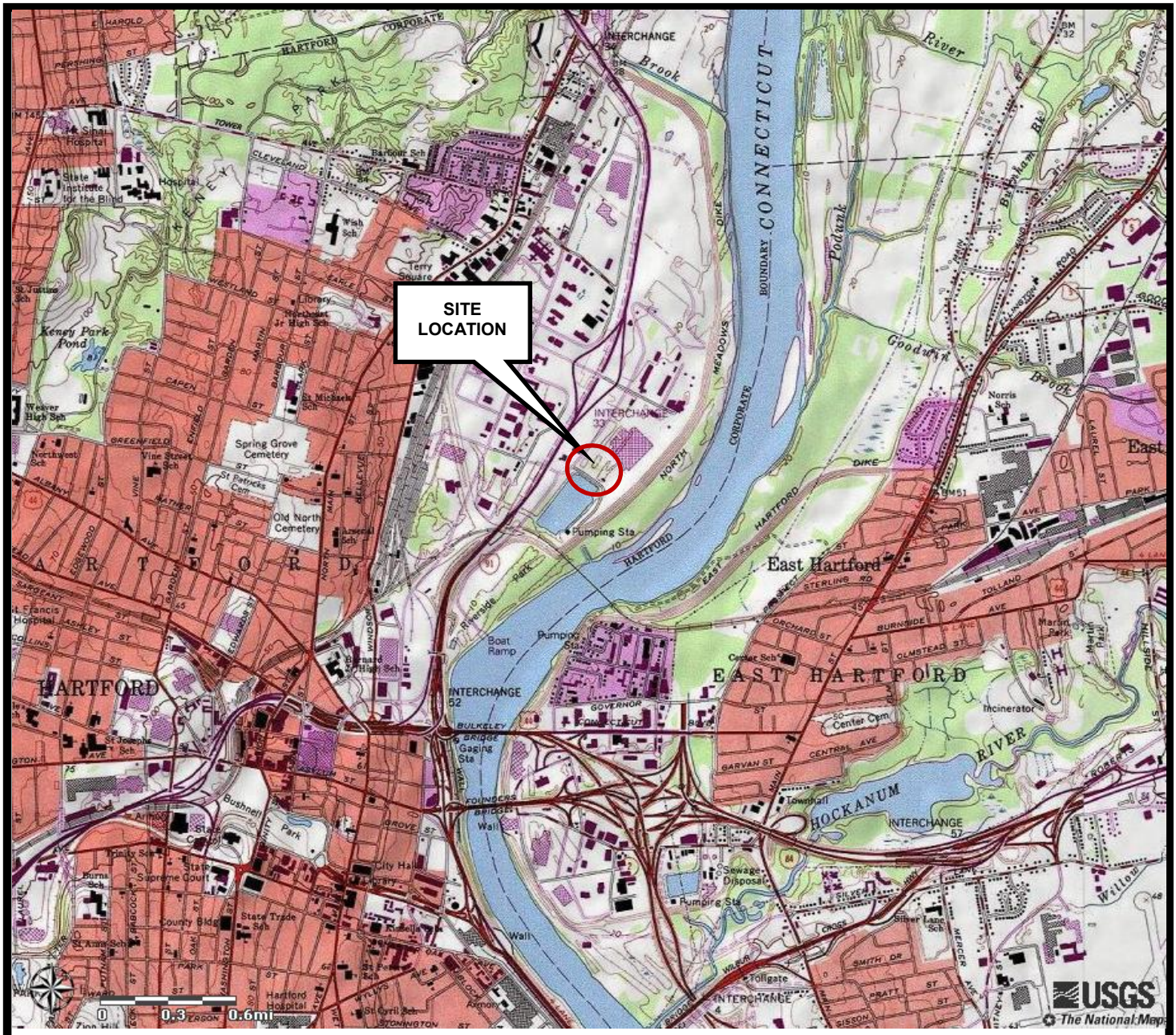
9.0 REFERENCES

1. State of Connecticut Department of Energy and Environmental Protection (CTDEEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, June 2013.
2. CTDEEP, "Water Quality Classifications Map of Hartford", November 2016.
3. CTDEEP, "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria", December 10, 2015.
4. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2010.
5. Rogers, John, USGS, "Bedrock Geological Map of Connecticut", dated 1985.
6. Stone, J., USGS, "Surficial Materials Map of Connecticut", dated 1992.

APPENDIX A

FIGURES

Figure 1 – Site Location Map
ENV-01 – Site Investigation Plan



Base map is a reproduction of the U.S.G.S. 7.5 Minute
Hartford North Quadrangle – Map 37

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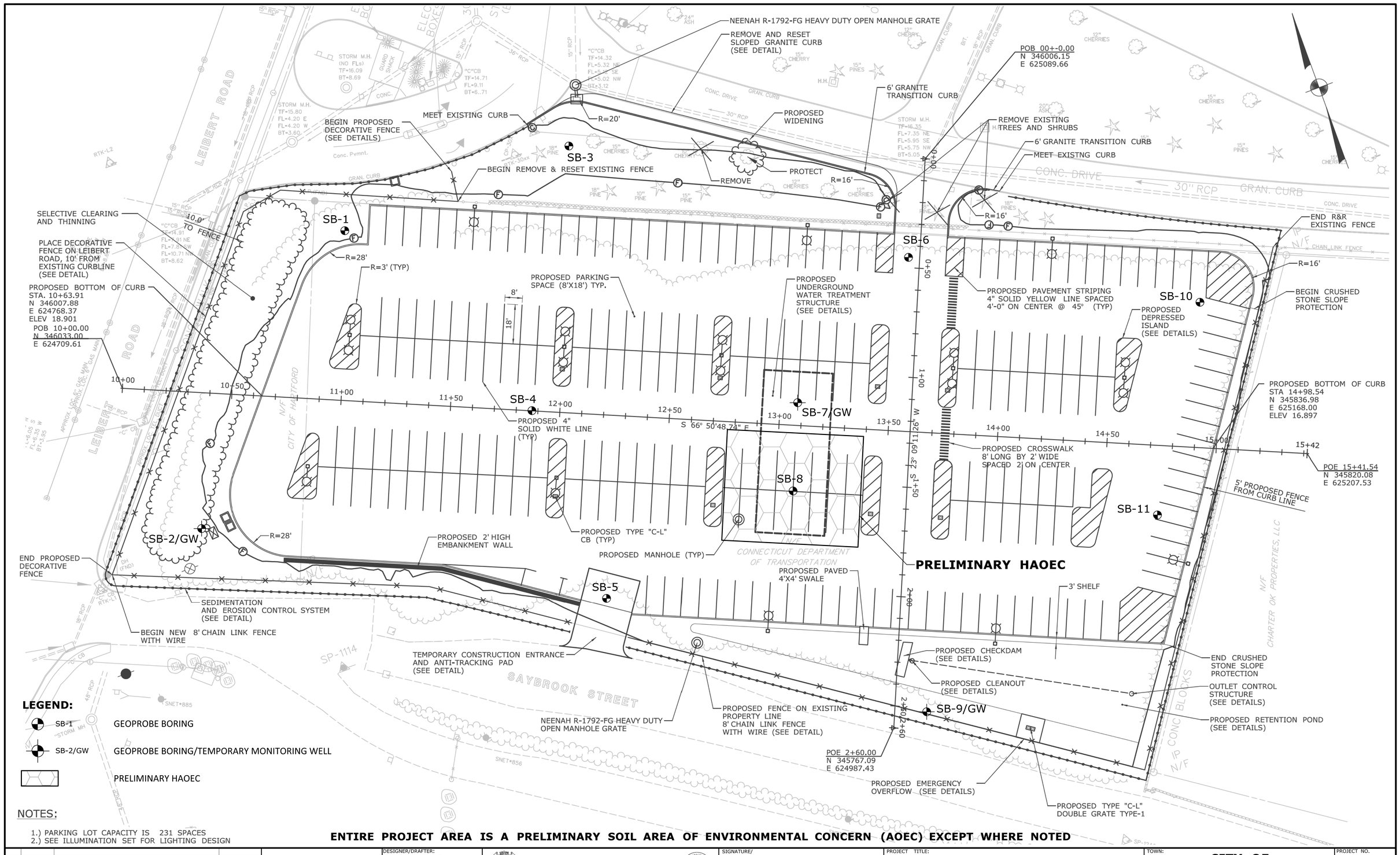
FIGURE 1
SITE LOCATION MAP

Parking Lot Expansion
CT Transit Facility
Leibert Road
Hartford, CT

Project No.
14EC0056



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/22/2017

DESIGNER/DRAFTER: JK/JO

CHECKED BY: MF

SCALE IN FEET
0 30 60
SCALE 1"=30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\EC..MSH..401-011..ENV-01.dgn

SIGNATURE/ BLOCK:

BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

PROJECT TITLE:
PARKING LOT EXPANSION
CT TRANSIT FACILITY
LEIBERT ROAD

TOWN: **CITY OF HARTFORD**

DRAWING TITLE: **SITE INVESTIGATION PLAN**

PROJECT NO. **401-011**

DRAWING NO. **ENV-01**

SHEET NO.

APPENDIX B

TABLES

Table 1
Sample Location Rationale and Selected Analyses
CT Transit Facility - Parking Lot Expansion
Hartford, Connecticut
ConnDOT Project No. 401-0011

Sample Identification	Matrix	Sample Interval	Location Rationale	VOCs (8260)	SVOCs (8270)	ETPH	PCBs (8082)	Pesticides (8081)	Total RCRA 8 Metals	TCLP RCRA 8 Metals	Ignitability, Reactivity, pH
SB-1	Soil	2-4'	Northwest corner of proposed parking lot.	X	X	X	X	X	X	X	X
		7-9'		X	X	X	X	X	X	X	
SB-2	Soil	1-3'	Southwestern corner of proposed parking lot.	X	X	X	X	X	X	X	X
		13-15'		X	X	X	X	X	X	X	
SB-3	Soil	1-3'	North of proposed parking lot within cut area	X	X	X	X	X	X	X	X
		6-8'		X	X	X	X	X	X	X	
SB-4	Soil	0-5'	Western portion of proposed parking lot	X	X	X	X	X	X	X	X
SB-5	Soil	3-5'	Temporary construction entrance and anti-tracking pad.	X	X	X	X	X	X	X	X
		6-8'		X	X	X	X	X	X	X	
SB-6	Soil	0-2'	Footprint of proposed parking lot.	X	X	X	X	X	X	X	X
		5-7'		X	X	X	X	X	X	X	
SB-7	Soil	0-2'	Footprint of proposed underground water treatment structure.	X	X	X	X	X	X	X	X
		5-7'		X	X	X	X	X	X	X	
		10-12'		X	X	X	X	X	X	X	
SB-8	Soil	0-2'	Footprint of proposed underground water treatment structure.	X	X	X	X	X	X	X	X
		5-7'		X	X	X	X	X	X	X	
		10-12'		X	X	X	X	X	X	X	
SB-9	Soil	2-4'	South of proposed parking lot in the vicinity of drainage improvements.	X	X	X	X	X	X	X	X
		10-12'		X	X	X	X	X	X	X	
SB-10	Soil	0-2'	Northeast corner of proposed parking lot.	X	X	X	X	X	X	X	X
		3-5'		X	X	X	X	X	X	X	
SB-11	Soil	0-2'	Eastern portion of proposed parking lot.	X	X	X	X	X	X	X	X
		3-5'		X	X	X	X	X	X	X	

Sample Identification	Matrix	Sample Collection Method	Location Rationale	VOCs (8260)	SVOCs (8270)	ETPH	PCBs (8082)	Pesticides (8081)	Total Lead, Copper, and Zinc	Dissolved Lead, Copper, and Zinc
SB-7/GW	Groundwater	Grab	Footprint of proposed underground water treatment structure.	X	X	X	X	X	X	X
SB-9/GW	Groundwater	Grab	Footprint of proposed underground water treatment structure.	X	X	X	X	X	X	X

Table 2
Soil Analytical Results
CT Transit Facility - Parking Lot Expansion
Hartford, Connecticut
ConnDOT Project No. 401-0011

Parameters	CTDEEP RSR Numeric Criteria			Concentration of Compound in Sample														
				SB-1 (2-4')	SB-1 (7-9')	SB-2 (1-3')	SB-2 (13-15')	SB-2 (13-15') DUP	SB-3 (1-3')	SB-3 (6-8')	SB-4 (0-5')	SB-5 (3-5')	SB-5 (6-8')	SB-6 (0-2')	SB-6 (5-7')	SB-7 (0-2')	SB-7/GW (5-7')	SB-7/GW (10-12')
	RES DEC	I/C DEC	GB PMC	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	3/2/2017	2/21/2017	3/2/2017	3/2/2017
ETPH (mg/kg)	500	2,500	2,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**620**	140
VOCs (mg/kg)																		
1,2,4-Trimethylbenzene	500*	1,000*	28*	ND	ND	ND	ND	ND	ND	ND	ND	0.0085	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500*	1,000*	28*	ND	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	ND	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	500	1,000	20	ND	ND	ND	ND	ND	ND	ND	ND	0.068	0.21	ND	ND	ND	ND	ND
Total Xylenes	500	1,000	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)																		
Anthracene	1,000	2,500	400	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	7.8	1	ND	ND	ND	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	**1.4**	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	7.8	1	ND	ND	ND	ND	ND	ND	ND	ND	**1.2**	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	8.4*	78*	1*	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	8.4	78	1	ND	ND	ND	ND	ND	ND	ND	ND	**1.2**	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	1,000	2,500	200	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	84*	780*	1*	ND	ND	ND	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	1*	1*	1*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000	2,500	56	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1*	7.8*	1*	ND	ND	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000	2,500	40	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND
Pyrene	1,000	2,500	40	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND
Total RCRA 8 Metals (mg/kg)																		
Arsenic	10	10	--	5.32	4.1	3.92	3.33	3.04	3.49	4.56	2.96	3.77	5.84	7.5	3.92	3.44	7.77	2.63
Barium	4,700	140,000	--	72.7	71.7	47	29.9	31	60.9	73.4	30.6	99.9	101	88.6	53.8	96.3	109	60.4
Cadmium	34	1,000	--	0.67	ND	0.49	ND	ND	0.49	0.5	0.83	0.54	1.28	0.61	0.49	0.67	31.6	ND
Chromium, Total	100**	100**	--	29.4	30.7	16.3	15.3	15.1	20.7	27.1	8.37	22.8	36.3	34.7	23.3	25.4	41.2	21.4
Lead	400	1,000	--	50.3	ND	24.2	2	3.63	29.6	14.7	48.3	62.9	24.1	46	2.27	96.5	48.8	1.95
Mercury	20	610	--	0.03	8.95	0.04	ND	ND	0.05	ND	0.07	0.1	0.18	0.13	ND	ND	0.32	ND
Silver	340	10,000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP RCRA 8 Metals (mg/L)																		
Arsenic	--	--	0.5	ND	ND	ND	ND/ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Barium	--	--	10	0.43	0.36	0.36	0.34	0.33	0.63	0.51	0.39	1.03	0.69	0.28	0.47	0.76	0.61	0.44
Cadmium	--	--	0.05	ND	ND	ND	ND	ND	ND	ND	0.006	ND	0.028	ND	0.001	0.009	**0.275**	ND
Chromium	--	--	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND
Lead	--	--	0.15	**0.215**	0.012	0.015	ND	ND	0.014	0.019	**0.371**	**0.355**	0.061	0.01	0.004	0.028	ND	ND
PCBs (mg/kg)	1	10	--															
Aroclor 1268	1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (mg/kg)																		
4,4' - DDD	1.8*	17*	0.02*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4' - DDE	1.8*	17*	0.02*	ND	ND	ND	ND	ND	0.0075	ND	ND	ND	ND	0.014	ND	ND	ND	ND
4,4' - DDT	1.8*	17*	0.02*	ND	ND	ND	ND	ND	0.011	ND	0.015	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.038	0.36	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ignitability (degrees F)	--	--	--	Passed	NA	Passed	NA	NA	Passed	NA	Passed	Passed	NA	Passed	NA	Passed	NA	NA
pH	--	--	--	6.12	NA	6.61	NA	NA	7.68	NA	11.1	8.15	NA	6.65	NA	8.41	NA	NA
Reactivity Cyanide (mg/kg)	--	--	--	<6.5	NA	<5.3	NA	NA	<5.5	NA	<5	<5.6	NA	<7.4	NA	<5.7	NA	NA
Reactivity Sulfide (mg/kg)	--	--	--	<20	NA	<20	NA	NA	<20	NA	<20	<20	NA	<20	NA	<20	NA	NA

CTDEEP = Connecticut Department of Energy and Environmental Protection
RSR = Remediation Standard Regulations
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial-Commercial Direct Exposure Criteria
GB PMC = GB Pollutant Mobility Criteria
mg/kg = milligrams per kilogram
mg/L = milligrams per liters
ND = Not detected above laboratory reporting limits
ND < = Not detected (noted when Detection Limit > Criteria)

NA = Not Analyzed
NE = Not Established
* = published 2015 numeric criteria for additional polluting substances not established in 2013 RSRs
** = hexavalent chromium criteria
*** = Exceeds the EPA Hazardous Regulatory Limit of 5 mg/L.
-- = criteria does not apply
Only detected compounds are listed on table
Shade/Bold = Exceeds Numeric Criteria

Table 2
Soil Analytical Results
CT Transit Facility - Parking Lot Expansion
Hartford, Connecticut
ConnDOT Project No. 401-0011

Parameters	CTDEEP RSR Numeric Criteria			Concentration of Compound in Sample											
				SB-8 (0-2')	SB-8 (5-7')	SB-8 (10-12')	SB-9 (2-4')	SB-9 (10-12')	SB-10 (0-2')	SB-10 (3-5')	SB-11 (0-2')	SB-11 (3-5')	Trip Blank	Trip Blank
	RES DEC	I/C DEC	GB PMC	2/21/2017	3/2/2017	3/2/2017	2/21/2017	2/21/2017	2/21/2017	3/2/2017	2/21/2017	2/21/2017	2/21/2017	3/2/2017
ETPH (mg/kg)	500	2,500	2,500	ND	**41,000**	**1,500**	ND	ND	ND	ND	ND	77	NA	NA
VOCs (mg/kg)														
1,2,4-Trimethylbenzene	500*	1,000*	28*	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500*	1,000*	28*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	500	1,000	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	500	1,000	19.5	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)														
Anthracene	1,000	2,500	400	ND	ND	ND	ND	ND	ND	ND	0.49	ND	NA	NA
Benzo(a)anthracene	1	7.8	1	0.28	**ND<3.5**	ND	**2.3**	ND	ND	ND	**1.5**	0.8	NA	NA
Benzo(a)pyrene	1	1	1	ND	**ND<3.5**	ND	**3.4**	ND	ND	ND	**1.4**	0.77	NA	NA
Benzo(b)fluoranthene	1	7.8	1	ND	**ND<3.4**	ND	**4.5**	ND	ND	ND	**1.5**	0.73	NA	NA
Benzo(g,h,i)perylene	8.4*	78*	1*	ND	**ND<7.3**	ND	**3.8**	ND	ND	ND	1	0.47	NA	NA
Benzo(k)fluoranthene	8.4	78	1	ND	**ND<3.4**	ND	**2.9**	ND	ND	ND	**1.4**	0.71	NA	NA
Benzyl butyl phthalate	1,000	2,500	200	ND	ND	ND	0.29	ND	ND	ND	ND	ND	NA	NA
Chrysene	84*	780*	1*	0.31	**ND<7.3**	ND	**3.3**	ND	ND	0.28	**1.9**	0.85	NA	NA
Dibenz(a,h)anthracene	1*	1*	1*	ND	**ND<7.3**	ND	1	ND	ND	ND	ND	ND	NA	NA
Fluoranthene	1,000	2,500	56	0.57	ND	ND	2.4	ND	ND	0.45	3.1	1.4	NA	NA
Indeno(1,2,3-cd)pyrene	1*	7.8*	1*	ND	**ND<7.3**	ND	**3.8**	ND	ND	ND	**1.1**	0.49	NA	NA
Phenanthrene	1,000	2,500	40	0.48	ND	2.7	0.95	ND	ND	0.32	2.7	0.96	NA	NA
Pyrene	1,000	2,500	40	0.54	ND	ND	2.2	ND	ND	0.4	2.6	1.2	NA	NA
Total RCRA 8 Metals (mg/kg)														
Arsenic	10	10	--	3.48	8.9	3.39	4.45	2.05	6.05	5.49	8.69	8.21	NA	NA
Barium	4,700	140,000	--	80.4	110	66.7	65.7	21.6	201	139	315	222	NA	NA
Cadmium	34	1,000	--	0.72	7.56	0.46	0.65	ND	0.76	0.76	2.53	2.82	NA	NA
Chromium, Total	100**	100**	--	17.6	**201**	26.4	19.2	11.1	24.3	26.4	30.5	26.4	NA	NA
Lead	400	1,000	--	60.1	**1,240**	2.66	50.4	1.87	141	101	**677**	**582**	NA	NA
Mercury	20	610	--	0.11	0.42	0.03	0.07	ND	0.39	0.24	3.68	1.37	NA	NA
Silver	340	10,000	--	ND	ND	ND	ND	ND	ND	ND	2.2	1.35	NA	NA
TCLP RCRA 8 Metals (mg/L)														
Arsenic	--	--	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Barium	--	--	10	0.72	1.15	0.48	0.5	0.32	1.51	1.19	0.96	0.11	NA	NA
Cadmium	--	--	0.05	0.006	**0.084**	ND	ND	ND	ND	0.006	0.018	ND	NA	NA
Chromium	--	--	0.5	ND	0.049	ND	ND	ND	ND	ND	ND	ND	NA	NA
Lead	--	--	0.15	0.038	**7.35*** **	0.036	0.046	0.015	0.082	0.138	**0.729**	**0.223**	NA	NA
PCBs (mg/kg)	1	10	--											
Aroclor 1268	1	10	--	ND	ND	ND	ND	ND	**1.3**	ND	ND	ND	NA	NA
Pesticides (mg/kg)														
4,4' - DDD	1.8*	17*	0.02*	ND	ND	ND	ND	ND	ND	ND	ND	0.0099	NA	NA
4,4' - DDE	1.8*	17*	0.02*	ND	ND	ND	**0.021**	ND	ND	ND	**0.024**	**0.024**	NA	NA
4,4' - DDT	1.8*	17*	0.02*	ND	ND	ND	0.016	ND	ND	ND	**0.081**	**0.03**	NA	NA
Dieldrin	0.038	0.36	0.007	ND	ND	ND	0.0042	ND	ND	ND	ND	ND	NA	NA
Ignitability (degrees F)	--	--	--	Passed	NA	NA	Passed	NA	Passed	NA	Passed	NA	NA	NA
pH	--	--	--	8.42	NA	NA	8.02	NA	7.43	NA	7.92	NA	NA	NA
Reactivity Cyanide (mg/kg)	--	--	--	<5.7	NA	NA	<5.7	NA	<6.3	NA	<6.5	NA	NA	NA
Reactivity Sulfide (mg/kg)	--	--	--	<20	NA	NA	<20	NA	<20	NA	<20	NA	NA	NA

CTDEEP = Connecticut Department of Energy and Environmental Protection
RSR = Remediation Standard Regulations
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial-Commercial Direct Exposure Criteria
GB PMC = GB Pollutant Mobility Criteria
mg/kg = milligrams per kilogram
mg/L = milligrams per liters
ND = Not detected above laboratory reporting limits
ND < = Not detected (noted when Detection Limit > Criteria)

NA = Not Analyzed
NE = Not Established
* = published 2015 numeric criteria for additional polluting substances not established in 2013 RSRs
** = hexavalent chromium criteria
*** = Exceeds the EPA Hazardous Regulatory Limit of 5 mg/L.
-- = criteria does not apply
Only detected compounds are listed on table
Shade/Bold = Exceeds Numeric Criteria

Table 3
Groundwater Analytical Results
CT Transit Facility - Parking Lot Expansion
Hartford, Connecticut
ConnDOT Project No. 401-0011

Parameters	General Permit MCLs		Concentration of Compound in Sample					
	Surface Water	Sanitary Sewer	SB-7/GW	SB-9/GW	SB-9/GW DUP	Field Blank	Trip Blank	Trip Blank
			3/2/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	3/2/2017
ETPH (mg/L)	5	100	ND	ND	ND	ND	NA	NA
Total VOCs (µg/L)	50	5,000	ND	ND	ND	ND	ND	ND
SVOCs (µg/L)	*	*	ND	ND	ND	ND	NA	NA
Pesticides (µg/L)	*	*	ND	ND	ND	ND	NA	NA
PCBs (µg/L)	*	*	ND	ND	ND	ND	NA	NA
Total Metals (µg/L)								
Copper	48	1,000	0.000015	ND	ND	ND	NA	NA
Lead	9.8	100	0.000006	ND	ND	ND	NA	NA
Zinc	322	1,000	0.000045	0.005	0.004	ND	NA	NA
Dissolved Metals (µg/L)								
Zinc	322	1,000	0.000005	0.004	0.005	ND	NA	NA

MCL = maximum concentration limits listed in the DEEP General Permit for Discharge of Groundwater
mg/L = milligrams per liter
µg/L = micrograms per liter
ND = Not Detected above the Laboratory Reporting Detection Limit
NE = None Established
* = Limits Established for Individual Compounds
** = Detected in the field blank indicating potential cross-contamination
Only detected compounds are listed on table
Shade/Bold = Exceeds Numeric Criteria

APPENDIX C

BORING LOGS

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BORING LOG

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	2/21/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 45°F	Borehole Dia:	3.25 Inches

Boring No.: SB-1

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			Brown SILT and fine SAND, with organics (5").				
	22		Brown SILT and fine SAND (17").		0.0		Sample collected 2-4'
5			Brown SILT, some clay, trace fine sand, with brick fragments, damp (48").				
	48				0.0		Sample collected 7-9'
10			End of exploration at 10'.				
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Boring No.: SB-2/GW

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	2/21/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 45°F	Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			Brown fine to medium SAND and SILT (15").				
	46		Brown SILT, trace fine sand (31").		0.0		Sample collected 1-3'
5			Brown SILT, trace fine sand (56").				
	56				0.0		
10			Brown SILT, little fine sand, trace clay, damp at 14' (48").				
	48				0.0		Sample collected 13-15'
15			End of exploration at 15'.				
20							Groundwater was not encountered, therefore, no temporary well was installed.

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	2/21/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 45°F	Borehole Dia:	3.25 Inches

Boring No.: SB-3

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	47		Brown/red SILT, little clay, little fine to coarse sand (47").		0.0		Sample collected 1-3'
5	53		Brown/grey SILT, some clay, little fine sand (32").		0.0		Sample collected 6-8'
			Grey CLAY, wet at 8' (21").				
10			End of exploration at 10'.				
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Boring No.: SB-4

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	2/21/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 45°F	Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	12		Black/brown fine to coarse SAND, some fine to coarse gravel, trace silt, with asphalt and brick fragments (12").		0.0		Sample collected 0-5'
5			End of exploration at 5'.				
10							
15							
20							First attempt had poor recovery. Second attempt had refusal at 3' bgs and poor recovery. Third attempt had refusal at 4' bgs and poor recovery. Sample collected from first attempt.

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	2/21/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 45°F	Borehole Dia:	3.25 Inches

Boring No.: SB-5

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	38		ASPHALT (3"). Grey/brown/orange fine to coarse SAND, little fine to coarse gravel, little silt, trace clay, with brick fragments (35").		0.2		Sample collected 3-5'
5			Brown SILT, little clay, trace fine sand, tracefine gravel, with brick fragments (15").				
	46		Brown SILT, little clay, trace fine sand, with brick fragments (14").		0.0		Sample collected 6-8'
			Brown CLAY, wet at 8' (17").				
10			End of exploration at 10'.				
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	3/2/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 40°F	Borehole Dia:	3.25 Inches

Boring No.: SB-6

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	39		MULCH (2"). Brown SILT and fine SAND (37").		0.0		Sample collected 0-2' using a hand-auger on 2/21/17.
5	37		Brown SILT and fine SAND, saturated at 8' (37").		0.0		Sample collected 5-7'
10			End of exploration at 10'.				
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Boring No.: SB-7/GW

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	3/2/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 40°F	Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			Red/brown fine to coarse SAND, little silt (13").				Sample collected 0-2' using a hand auger on 2/21/17.
	29		Brown SILT, trace clay (16").		0.0		
5			Brown SILT, little clay, trace fine to coarse sand, wet at 8.5' (45").				Sample collected 5-7'
	45				0.0		
10			Brown SILT, little clay, trace fine to coarse sand, saturated (21").				Sample collected 10-12'
	40		Grey fine to coarse SAND, saturated (19").		0.0		
15			End of exploration at 15'.				Temporary well set at 15' bgs with 10' of screen. #1 Morrie sand to top.
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Boring No.: SB-8

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	3/2/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 40°F	Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	26		Red/brown SILT, little clay, trace fine to coarse sand, with bricks (22").		0.0		Sample collected 0-2' using a hand auger on 2/21/17.
			Red/brown fine to coarse SAND, trace silt, trace fine to coarse gravel (4").				
5			Red/brown fine to coarse SAND, trace silt, trace fine to coarse gravel, dry (13").		0.0		Sample collected 5-7'
			Black SILT, with organics. Note: petroleum odor (4").		1.6		
	43		Grey SILT and CLAY, wet at 7' (26").		0.0		
10			Grey SILT and CLAY, wet (24").		0.2		Sample collected 10-12'
	43		Grey fine to coarse SAND, saturated (19").		0.0		
15			End of exploration at 15'.				
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Project No.:	14EC0056
Site Name:	CT Transit Facility
Date:	2/21/2017
Logged by:	Wesley Johnson
Weather:	Sunny, 45°F

Boring No.: SB-9/GW

Boring Co.:	CEI
Drill Rig:	6620DT
Drill Method:	Direct Push
Driller:	Jay Rajewski
Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	30		Dark brown SILT, little fine sand, with organics (15").				
			Brown SILT, little fine to coarse sand, little fine to coarse gravel, little clay (15").		0.0		Sample collected 2-4'
5	45		Light brown fine SAND, dry (45").		0.0		
10	45		Brown/light brown fine SAND, wet at 12' (22").				Sample collected 10-12'
			Grey fine SAND, saturated (23").		0.0		
15			End of exploration at 15'.				Temporary well set at 15' bgs with 10' of screen. #1 Morrie sand to top. Depth to water measured 12.11' bgs.
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BORING LOG

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	3/2/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 40°F	Borehole Dia:	3.25 Inches

Boring No.: SB-10

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	28		Mulch/top soil (2"). Red/brown SILT, trace fine to coarse sand, with brick fragments (26").		0.0		Sample collected 0-2' using a hand auger on 2/21/17. Sample collected 3-5'
5			End of exploration at 5'.				
10							
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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BL Companies

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Engineering
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BORING LOG

Boring No.: SB-11

Project No.:	14EC0056	Boring Co.:	CEI
Site Name:	CT Transit Facility	Drill Rig:	6620DT
Date:	3/2/2017	Drill Method:	Direct Push
Logged by:	Wesley Johnson	Driller:	Jay Rajewski
Weather:	Sunny, 40°F	Borehole Dia:	3.25 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	22		Mulch/top soil (6"). Brown fine to coarse sand, little silt, with brick fragments, dry (15").		0.0		Sample collected 0-2' using a hand auger on 2/21/17. Sample collected 3-5'
5			End of exploration at 5'.				
10							
15							
20							

Proportions Used: Trace = 1 to 10%, Little = 10 to 20%, Some = 20 to 30%, And = 30 to 50%

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APPENDIX D

LABORATORY ANALYTICAL REPORTS

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 09, 2017

Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Project ID: 14EC0056
Sample ID#s: BX72161 - BX72182, BX72301

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids 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,

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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	9:30
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72161

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	02/24/17	TH	SW6010C
Arsenic	5.34	0.83	mg/Kg	1	02/24/17	TH	SW6010C
Barium	72.7	0.42	mg/Kg	1	02/24/17	LK	SW6010C
Cadmium	0.67	0.42	mg/Kg	1	02/24/17	TH	SW6010C
Chromium	29.4	0.42	mg/Kg	1	02/24/17	TH	SW6010C
Mercury	0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	50.3	0.42	mg/Kg	1	02/24/17	LK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	02/24/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.43	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.215	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	77		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	6.12	1.00	pH Units	1	02/22/17 19:09	O	SW9045
Reactivity Cyanide	< 6.5	6.5	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Phoenix I.D.: BX72161

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/23/17	Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	64	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	71		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	79		%	10	02/23/17	AW	30 - 150 %
% TCMX	85		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
4,4' -DDE	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
4,4' -DDT	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
a-BHC	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Alachlor	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Aldrin	ND	4.3	ug/Kg	2	02/23/17	CE	SW8081B
b-BHC	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Chlordane	ND	43	ug/Kg	2	02/23/17	CE	SW8081B
d-BHC	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Dieldrin	ND	4.3	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan I	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan II	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan sulfate	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Endrin	ND	20	ug/Kg	2	02/23/17	CE	SW8081B
Endrin aldehyde	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Endrin ketone	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
g-BHC	ND	1.7	ug/Kg	2	02/23/17	CE	SW8081B
Heptachlor	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Heptachlor epoxide	ND	8.6	ug/Kg	2	02/23/17	CE	SW8081B
Methoxychlor	ND	43	ug/Kg	2	02/23/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	02/23/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	68		%	2	02/23/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Phoenix I.D.: BX72161

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	66		%	2	02/23/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	310	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.7	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Phoenix I.D.: BX72161

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	37	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.2	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	90		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Dichlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
1,3-Dichlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
1,4-Dichlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dichlorophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dimethylphenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrophenol	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrotoluene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2,6-Dinitrotoluene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2-Chloronaphthalene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2-Chlorophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylnaphthalene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitroaniline	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitrophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Phoenix I.D.: BX72161

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
3-Nitroaniline	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloroaniline	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitroaniline	ND	680	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitrophenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Acetophenone	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Aniline	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
Anthracene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzidine	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Benzoic acid	ND	850	ug/Kg	1	02/22/17	DD	SW8270D
Benzyl butyl phthalate	1100	300	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Carbazole	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
Chrysene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Dibenzofuran	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Diethyl phthalate	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Dimethylphthalate	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-butylphthalate	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-octylphthalate	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Fluoranthene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Fluorene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobutadiene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Hexachloroethane	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Isophorone	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Naphthalene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Nitrobenzene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodimethylamine	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
Pentachloronitrobenzene	ND	420	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-1 2-4 FT

Phoenix I.D.: BX72161

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
Phenanthrene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Phenol	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Pyrene	ND	300	ug/Kg	1	02/22/17	DD	SW8270D
Pyridine	ND	420	ug/Kg	1	02/22/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	67		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorophenol	58		%	1	02/22/17	DD	30 - 130 %
% Nitrobenzene-d5	60		%	1	02/22/17	DD	30 - 130 %
% Phenol-d5	66		%	1	02/22/17	DD	30 - 130 %
% Terphenyl-d14	73		%	1	02/22/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

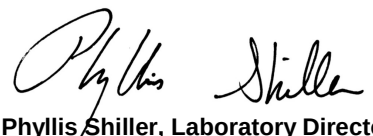
The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
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 affected compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	9:30
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72162

Project ID: 14EC0056
Client ID: SB-1 7-9 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.48	0.48	mg/Kg	1	02/24/17	TH	SW6010C
Arsenic	4.91	0.95	mg/Kg	1	02/24/17	TH	SW6010C
Barium	71.7	0.48	mg/Kg	1	02/24/17	LK	SW6010C
Cadmium	< 0.48	0.48	mg/Kg	1	02/24/17	TH	SW6010C
Chromium	30.7	0.48	mg/Kg	1	02/24/17	TH	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	8.95	0.48	mg/Kg	1	02/24/17	LK	SW6010C
Selenium	< 1.9	1.9	mg/Kg	1	02/24/17	TH	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.36	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.012	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	74		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/23/17	Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Project ID: 14EC0056
Client ID: SB-1 7-9 FT

Phoenix I.D.: BX72162

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	66	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	80		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	450	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	72		%	10	02/23/17	AW	30 - 150 %
% TCMX	73		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
4,4' -DDE	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
4,4' -DDT	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
a-BHC	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Alachlor	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Aldrin	ND	4.5	ug/Kg	2	02/23/17	CE	SW8081B
b-BHC	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Chlordane	ND	45	ug/Kg	2	02/23/17	CE	SW8081B
d-BHC	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Dieldrin	ND	4.5	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan I	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan II	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Endosulfan sulfate	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Endrin	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Endrin aldehyde	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Endrin ketone	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
g-BHC	ND	1.8	ug/Kg	2	02/23/17	CE	SW8081B
Heptachlor	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Heptachlor epoxide	ND	8.9	ug/Kg	2	02/23/17	CE	SW8081B
Methoxychlor	ND	45	ug/Kg	2	02/23/17	CE	SW8081B
Toxaphene	ND	180	ug/Kg	2	02/23/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	83		%	2	02/23/17	CE	30 - 150 %
% TCMX	74		%	2	02/23/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-1 7-9 FT

Phoenix I.D.: BX72162

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Dichlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
1,3-Dichlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
1,4-Dichlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dichlorophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dimethylphenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrophenol	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrotoluene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2,6-Dinitrotoluene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2-Chloronaphthalene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2-Chlorophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylnaphthalene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitroaniline	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitrophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
3-Nitroaniline	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	440	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-1 7-9 FT

Phoenix I.D.: BX72162

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloroaniline	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitroaniline	ND	710	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitrophenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthylene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Acetophenone	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Aniline	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Anthracene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benz(a)anthracene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzidine	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(a)pyrene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(b)fluoranthene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(ghi)perylene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(k)fluoranthene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Benzoic acid	ND	890	ug/Kg	1	02/22/17	DD	SW8270D
Benzyl butyl phthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Carbazole	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Chrysene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Dibenzofuran	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Diethyl phthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Dimethylphthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-butylphthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-octylphthalate	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Fluoranthene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Fluorene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobutadiene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Hexachloroethane	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Isophorone	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Naphthalene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Nitrobenzene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodimethylamine	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Pentachloronitrobenzene	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Pentachlorophenol	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
Phenanthrene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Phenol	ND	310	ug/Kg	1	02/22/17	DD	SW8270D
Pyrene	ND	310	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-1 7-9 FT

Phoenix I.D.: BX72162

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	440	ug/Kg	1	02/22/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorophenol	55		%	1	02/22/17	DD	30 - 130 %
% Nitrobenzene-d5	58		%	1	02/22/17	DD	30 - 130 %
% Phenol-d5	65		%	1	02/22/17	DD	30 - 130 %
% Terphenyl-d14	75		%	1	02/22/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	8:50
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72163

Project ID: 14EC0056
Client ID: SB-2 1-3 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	02/24/17	TH	SW6010C
Arsenic	3.92	0.63	mg/Kg	1	02/24/17	TH	SW6010C
Barium	47.0	0.32	mg/Kg	1	02/24/17	LK	SW6010C
Cadmium	0.49	0.32	mg/Kg	1	02/24/17	TH	SW6010C
Chromium	16.3	0.32	mg/Kg	1	02/24/17	TH	SW6010C
Mercury	0.04	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	24.2	0.32	mg/Kg	1	02/24/17	LK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	02/24/17	TH	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.36	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.015	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	94		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	6.61	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.3	5.3	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-2 1-3 FT

Phoenix I.D.: BX72163

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/23/17	Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	53	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	61		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	340	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	68		%	10	02/23/17	AW	30 - 150 %
% TCMX	68		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.4	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	34	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	34	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	55		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-2 1-3 FT

Phoenix I.D.: BX72163

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	63		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	290	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	88		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-2 1-3 FT

Phoenix I.D.: BX72163

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	550	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	690	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-2 1-3 FT

Phoenix I.D.: BX72163

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	240	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	350	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	51		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	54		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	59		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	63		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

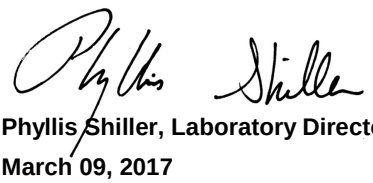
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	9:10
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72164

Project ID: 14EC0056
Client ID: SB-2 13-15 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	02/24/17	TH	SW6010C
Arsenic	3.33	0.80	mg/Kg	1	02/24/17	TH	SW6010C
Barium	29.9	0.40	mg/Kg	1	02/24/17	LK	SW6010C
Cadmium	< 0.40	0.40	mg/Kg	1	02/24/17	TH	SW6010C
Chromium	15.3	0.40	mg/Kg	1	02/24/17	TH	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	2.00	0.40	mg/Kg	1	02/27/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/24/17	TH	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.34	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	86		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/23/17	Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Ver 1

Project ID: 14EC0056
Client ID: SB-2 13-15 FT

Phoenix I.D.: BX72164

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	78		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	10	02/23/17	AW	30 - 150 %
% TCMX	83		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	71		%	2	02/25/17	CE	30 - 150 %
% TCMX	79		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-2 13-15 FT

Phoenix I.D.: BX72164

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-2 13-15 FT

Phoenix I.D.: BX72164

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	770	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-2 13-15 FT

Phoenix I.D.: BX72164

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	37		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	40		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	37		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	38		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	41		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	46		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	12:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72165

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	3.49	0.79	mg/Kg	1	02/23/17	LK	SW6010C
Barium	60.9	0.39	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.49	0.39	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	20.7	0.39	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.05	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	29.6	0.39	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.63	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.014	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	86		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	7.68	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.5	5.5	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Phoenix I.D.: BX72165

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	92		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	89		%	10	02/23/17	AW	30 - 150 %
% TCMX	78		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	7.5	3.8	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	11	7.6	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	68		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Phoenix I.D.: BX72165

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	74		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	260	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Phoenix I.D.: BX72165

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	100		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Phoenix I.D.: BX72165

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	770	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-3 1-3 FT

Phoenix I.D.: BX72165

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	50		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	53		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	61		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	70		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

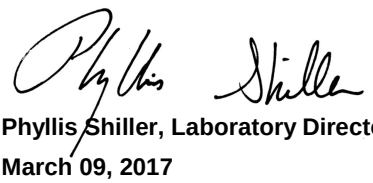
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	12:15
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72166

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	4.56	0.84	mg/Kg	1	02/23/17	LK	SW6010C
Barium	73.4	0.42	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.50	0.42	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	27.1	0.42	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	14.7	0.42	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.51	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.019	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	80		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Phoenix I.D.: BX72166

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	62	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	80		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	420	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	83		%	10	02/23/17	AW	30 - 150 %
% TCMX	84		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	4.2	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	42	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	4.2	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.7	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	8.3	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	42	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	40		%	2	02/25/17	CE	30 - 150 %
% TCMX	47		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Phoenix I.D.: BX72166

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	27	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	270	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.3	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Phoenix I.D.: BX72166

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.4	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	93		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	90		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	410	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Phoenix I.D.: BX72166

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	660	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	820	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Pentachlorophenol	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-3 6-8 FT

Phoenix I.D.: BX72166

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	410	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	55		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	44		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	43		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	54		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	72		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	10:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72167

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	2.96	0.65	mg/Kg	1	02/23/17	LK	SW6010C
Barium	30.6	0.32	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.83	0.32	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	8.37	0.32	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.07	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	48.3	0.32	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	0.39	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	0.006	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.371	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	94		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	11.1	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.0	5.0	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Phoenix I.D.: BX72167

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	270	mg/Kg	5	02/24/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	02/24/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	72		%	5	02/24/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	95		%	10	02/23/17	AW	30 - 150 %
% TCMX	86		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	15	6.9	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.5	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	35	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	6.9	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	35	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	48		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Phoenix I.D.: BX72167

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	78		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	100	ug/Kg	50	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
2-Chlorotoluene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
2-Hexanone	ND	28	ug/Kg	1	02/24/17	JLI	SW8260C
2-Isopropyltoluene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	02/24/17	JLI	SW8260C
Acetone	ND	280	ug/Kg	1	02/24/17	JLI	SW8260C
Acrylonitrile	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Benzene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Bromobenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Bromoform	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Bromomethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Chloroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Chloroform	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Chloromethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Dibromochloromethane	ND	3.4	ug/Kg	1	02/24/17	JLI	SW8260C
Dibromomethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Hexachlorobutadiene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Phoenix I.D.: BX72167

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	ug/Kg	1	02/24/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	02/24/17	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	02/24/17	JLI	SW8260C
Naphthalene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
o-Xylene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
p-Isopropyltoluene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
Styrene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
tert-Butylbenzene	ND	310	ug/Kg	50	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	02/24/17	JLI	SW8260C
Toluene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Total Xylenes	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	620	ug/Kg	50	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/Kg	1	02/24/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	50	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	101		%	50	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	107		%	1	02/24/17	JLI	70 - 130 %
% Toluene-d8	97		%	1	02/24/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2-Chlorophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
2-Nitroaniline	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
2-Nitrophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Phoenix I.D.: BX72167

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
3-Nitroaniline	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
4-Chloroaniline	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
4-Nitroaniline	ND	2800	ug/Kg	5	02/23/17	DD	SW8270D
4-Nitrophenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Acenaphthene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Acenaphthylene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Acetophenone	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Aniline	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
Anthracene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Benzidine	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Benzoic acid	ND	3500	ug/Kg	5	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Carbazole	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
Chrysene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Dibenzofuran	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Diethyl phthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Dimethylphthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Fluoranthene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Fluorene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Hexachloroethane	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Isophorone	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Naphthalene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Nitrobenzene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-4 0-5 FT

Phoenix I.D.: BX72167

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	1000	ug/Kg	5	02/23/17	DD	SW8270D
Phenanthrene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Phenol	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Pyrene	ND	1200	ug/Kg	5	02/23/17	DD	SW8270D
Pyridine	ND	1800	ug/Kg	5	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	42		%	5	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	53		%	5	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	38		%	5	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	53		%	5	02/23/17	DD	30 - 130 %
% Phenol-d5	51		%	5	02/23/17	DD	30 - 130 %
% Terphenyl-d14	51		%	5	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Semi-Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	10:45
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72168

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	3.77	0.70	mg/Kg	1	02/23/17	LK	SW6010C
Barium	99.9	0.35	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.54	0.35	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	22.8	0.35	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.10	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	62.9	0.35	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Barium	1.03	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.355	0.010	mg/L	1	02/23/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/23/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	90		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	8.15	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.6	5.6	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Phoenix I.D.: BX72168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	02/22/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/22/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	58		%	1	02/22/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	360	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	02/23/17	AW	30 - 150 %
% TCMX	86		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.6	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	36	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	36	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	37		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Phoenix I.D.: BX72168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	46		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	8.5	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	6.9	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	240	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	2.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Phoenix I.D.: BX72168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	68	9.6	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	9.6	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.6	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.6	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Phoenix I.D.: BX72168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	580	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	540	250	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	1500	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	1400	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	1200	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	880	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	1200	250	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	730	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	1500	250	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	3600	250	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	940	250	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-5 3-5 FT

Phoenix I.D.: BX72168

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	1900	250	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	250	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	3000	250	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	360	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	40		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	36		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	33		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	36		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	37		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	37		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	11:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72169

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.44	0.44	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	5.84	0.88	mg/Kg	1	02/23/17	LK	SW6010C
Barium	101	0.44	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	1.28	0.44	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	36.3	0.44	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.18	0.04	mg/Kg	1	02/23/17	RS	SW7471B
Lead	24.1	0.44	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.8	1.8	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.69	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	0.028	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.061	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	75		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Ver 1

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Phoenix I.D.: BX72169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	65	mg/Kg	1	02/22/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/22/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	80		%	1	02/22/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	430	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	118		%	10	02/23/17	AW	30 - 150 %
% TCMX	84		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	4.3	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	43	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	4.3	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.7	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	8.7	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	43	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	51		%	2	02/25/17	CE	30 - 150 %
% TCMX	62		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Phoenix I.D.: BX72169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	210	160	ug/Kg	50	02/24/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Phoenix I.D.: BX72169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	104		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	90		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	440	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Phoenix I.D.: BX72169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	700	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	870	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Pentachlorophenol	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	310	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	310	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-5 6-8 FT

Phoenix I.D.: BX72169

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	440	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	57		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	56		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	63		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	75		%	1	02/23/17	DD	30 - 130 %

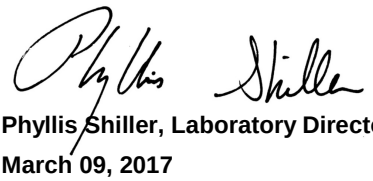
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	13:40
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72170

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.48	0.48	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	7.50	0.97	mg/Kg	1	02/23/17	LK	SW6010C
Barium	88.6	0.48	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.61	0.48	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	34.7	0.48	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.13	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	46.0	0.48	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.9	1.9	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.28	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	68		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	6.65	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 7.4	7.4	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Phoenix I.D.: BX72170

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	73	mg/Kg	1	02/22/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/22/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	1	02/22/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	490	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	79		%	10	02/23/17	AW	30 - 150 %
% TCMX	77		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	14	9.8	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	4.9	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	49	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	4.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	2.0	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	9.8	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	49	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	200	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	60		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Phoenix I.D.: BX72170

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	71		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	33	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	330	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	4.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Phoenix I.D.: BX72170

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	40	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	13	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.6	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	89		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Phoenix I.D.: BX72170

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	760	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	950	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	470	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-6 0-2 FT

Phoenix I.D.: BX72170

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	330	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	470	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	50		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	52		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	62		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	69		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

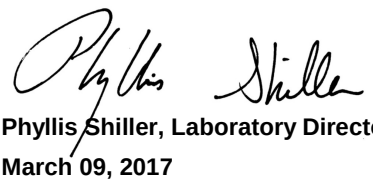
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	13:15
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72171

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	3.44	0.75	mg/Kg	1	02/23/17	LK	SW6010C
Barium	96.3	0.37	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.67	0.37	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	25.4	0.37	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	96.5	0.37	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.76	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	0.009	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.028	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	87		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	8.41	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.7	5.7	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Phoenix I.D.: BX72171

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	N/Z/Q	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	02/22/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/22/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	88		%	1	02/22/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	89		%	10	02/23/17	AW	30 - 150 %
% TCMX	78		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	63		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Phoenix I.D.: BX72171

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	70		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.5	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	21	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	21	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	210	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	2.5	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Phoenix I.D.: BX72171

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.4	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	8.4	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.4	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.4	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	4.2	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Phoenix I.D.: BX72171

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-7 0-2 FT

Phoenix I.D.: BX72171

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	52		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	46		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	45		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	54		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	65		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

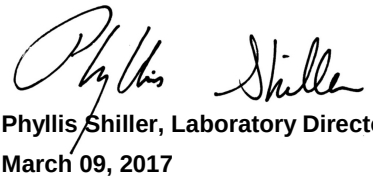
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	13:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72172

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	3.48	0.73	mg/Kg	1	02/23/17	LK	SW6010C
Barium	80.4	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.72	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	17.6	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.11	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	60.1	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.72	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	0.006	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.038	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	87		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	8.42	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.7	5.7	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Phoenix I.D.: BX72172

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\I/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	72		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	85		%	10	02/23/17	AW	30 - 150 %
% TCMX	86		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	65		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Phoenix I.D.: BX72172

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	73		%	2	02/25/17	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	240	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	2.9	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Phoenix I.D.: BX72172

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	9.7	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	89		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	88		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Phoenix I.D.: BX72172

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	280	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	740	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	310	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	570	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 0-2 FT

Phoenix I.D.: BX72172

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	480	260	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	540	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	46		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	47		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	58		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	70		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	11:15
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72173

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	4.45	0.77	mg/Kg	1	02/23/17	LK	SW6010C
Barium	65.7	0.38	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.65	0.38	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	19.2	0.38	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.07	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	50.4	0.38	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.50	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.046	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	88		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	8.02	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 5.7	5.7	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Phoenix I.D.: BX72173

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\I/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	84		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	77		%	10	02/23/17	AW	30 - 150 %
% TCMX	82		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	21	7.5	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	16	7.5	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	37	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	4.2	1.9	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	57		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Phoenix I.D.: BX72173

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	58		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	260	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Phoenix I.D.: BX72173

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.1	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	87		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Phoenix I.D.: BX72173

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	2300	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	3400	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	4500	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	3800	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	2900	260	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	750	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	290	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	3300	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	1000	260	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	2400	260	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	3800	260	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-9 2-4 FT

Phoenix I.D.: BX72173

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	950	260	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	2200	260	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	380	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	56		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	62		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	67		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	70		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	11:30
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72174

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	2.05	0.72	mg/Kg	1	02/23/17	LK	SW6010C
Barium	21.6	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	11.1	0.36	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	1.87	0.36	mg/Kg	1	02/25/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.32	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.015	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	86		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Ver 1

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Phoenix I.D.: BX72174

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	74		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	73		%	10	02/23/17	AW	30 - 150 %
% TCMX	77		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	68		%	2	02/25/17	CE	30 - 150 %
% TCMX	76		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Phoenix I.D.: BX72174

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	28	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	280	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.3	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Phoenix I.D.: BX72174

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Phoenix I.D.: BX72174

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	770	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	270	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-9 10-12 FT

Phoenix I.D.: BX72174

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	390	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	61		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	57		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	58		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	61		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	67		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	14:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72175

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	6.05	0.79	mg/Kg	1	02/23/17	LK	SW6010C
Barium	201	0.40	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	0.76	0.40	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	24.3	0.40	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	0.39	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	141	0.40	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.6	1.6	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	1.51	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.082	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	79		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	7.43	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 6.3	6.3	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Phoenix I.D.: BX72175

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\I/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	63	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	73		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1221	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1232	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1242	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1248	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1254	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1260	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1262	ND	410	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1268	1300	410	ug/Kg	10	02/24/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	114		%	10	02/24/17	AW	30 - 150 %
% TCMX	80		%	10	02/24/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
4,4' -DDE	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
4,4' -DDT	ND	20	ug/Kg	2	02/24/17	CE	SW8081B
a-BHC	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Alachlor	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Aldrin	ND	4.1	ug/Kg	2	02/24/17	CE	SW8081B
b-BHC	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Chlordane	ND	41	ug/Kg	2	02/24/17	CE	SW8081B
d-BHC	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	02/24/17	CE	SW8081B
Endosulfan I	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Endosulfan II	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Endosulfan sulfate	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Endrin	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Endrin aldehyde	ND	50	ug/Kg	2	02/24/17	CE	SW8081B
Endrin ketone	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
g-BHC	ND	1.7	ug/Kg	2	02/24/17	CE	SW8081B
Heptachlor	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Heptachlor epoxide	ND	8.3	ug/Kg	2	02/24/17	CE	SW8081B
Methoxychlor	ND	41	ug/Kg	2	02/24/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	02/24/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	63		%	2	02/24/17	CE	30 - 150 %

Ver 1

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Phoenix I.D.: BX72175

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	61		%	2	02/24/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	260	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Phoenix I.D.: BX72175

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.2	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	89		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Phoenix I.D.: BX72175

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	660	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	830	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	420	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-10 0-2 FT

Phoenix I.D.: BX72175

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	ND	290	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	420	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	56		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	58		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	65		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	77		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	14:30
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72176

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	2.20	0.46	mg/Kg	1	02/23/17	MA	SW6010C
Arsenic	8.69	0.91	mg/Kg	1	02/23/17	LK	SW6010C
Barium	315	0.46	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	2.53	0.46	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	30.5	0.46	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	3.68	0.17	mg/Kg	1	02/23/17	RS	SW7471B
Lead	677	4.6	mg/Kg	10	02/23/17	LK	SW6010C
Selenium	< 1.8	1.8	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.96	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	0.018	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	0.729	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	77		%		02/22/17	Q	SW846-%Solid
Flash Point	>200	200	Degree F	1	02/23/17	Y	SW1010A
Ignitability	Passed	140	degree F	1	02/23/17	Y	SW846-Ignit
pH - Soil	7.92	1.00	pH Units	1	02/22/17 19:10	O	SW9045
Reactivity Cyanide	< 6.5	6.5	mg/Kg	1	02/23/17	BS/GD	SW846-ReactCyn
Reactivity Sulfide	< 20	20	mg/Kg	1	02/23/17	BS/GD	SW-7.3
Reactivity	Negative		Pos/Neg	1	02/23/17	BS/GD	SW846-React
Soil Extraction for PCB	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	GC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A

Ver 1

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Phoenix I.D.: BX72176

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\I/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	64	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	62		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1221	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1232	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1242	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1248	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1254	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1260	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1262	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
PCB-1268	ND	420	ug/Kg	10	02/24/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	87		%	10	02/24/17	AW	30 - 150 %
% TCMX	91		%	10	02/24/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	24	8.5	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	81	8.5	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	4.2	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	42	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	4.2	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	2.0	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	8.5	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	42	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	52		%	2	02/25/17	CE	30 - 150 %

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Phoenix I.D.: BX72176

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	64		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Phoenix I.D.: BX72176

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Isopropylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.0	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	86		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	86		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Dichlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
1,3-Dichlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
1,4-Dichlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dichlorophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dimethylphenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrophenol	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
2,4-Dinitrotoluene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2,6-Dinitrotoluene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2-Chloronaphthalene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2-Chlorophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylnaphthalene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitroaniline	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
2-Nitrophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Phoenix I.D.: BX72176

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3&4-Methylphenol (m&p-cresol)	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
3-Nitroaniline	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
4-Chloroaniline	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitroaniline	ND	690	ug/Kg	1	02/23/17	DD	SW8270D
4-Nitrophenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Acetophenone	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Aniline	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
Anthracene	490	300	ug/Kg	1	02/23/17	DD	SW8270D
Benz(a)anthracene	1500	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzidine	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(a)pyrene	1400	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(b)fluoranthene	1500	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(ghi)perylene	1000	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzo(k)fluoranthene	1400	300	ug/Kg	1	02/23/17	DD	SW8270D
Benzoic acid	ND	860	ug/Kg	1	02/23/17	DD	SW8270D
Benzyl butyl phthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Carbazole	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
Chrysene	1900	300	ug/Kg	1	02/23/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Dibenzofuran	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Diethyl phthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Dimethylphthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-butylphthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Di-n-octylphthalate	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Fluoranthene	3100	300	ug/Kg	1	02/23/17	DD	SW8270D
Fluorene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorobutadiene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Hexachloroethane	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	1100	300	ug/Kg	1	02/23/17	DD	SW8270D
Isophorone	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Naphthalene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Nitrobenzene	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodimethylamine	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
Pentachloronitrobenzene	ND	430	ug/Kg	1	02/23/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-11 0-2 FT

Phoenix I.D.: BX72176

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pentachlorophenol	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
Phenanthrene	2700	300	ug/Kg	1	02/23/17	DD	SW8270D
Phenol	ND	300	ug/Kg	1	02/23/17	DD	SW8270D
Pyrene	2600	300	ug/Kg	1	02/23/17	DD	SW8270D
Pyridine	ND	430	ug/Kg	1	02/23/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorobiphenyl	57		%	1	02/23/17	DD	30 - 130 %
% 2-Fluorophenol	46		%	1	02/23/17	DD	30 - 130 %
% Nitrobenzene-d5	50		%	1	02/23/17	DD	30 - 130 %
% Phenol-d5	55		%	1	02/23/17	DD	30 - 130 %
% Terphenyl-d14	66		%	1	02/23/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

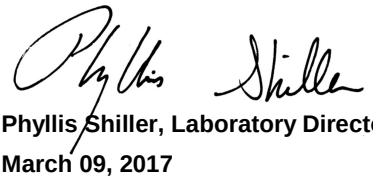
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide.This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72177

Project ID: 14EC0056
Client ID: DUP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	02/23/17	LK	SW6010C
Arsenic	3.04	0.68	mg/Kg	1	02/23/17	LK	SW6010C
Barium	31.0	0.34	mg/Kg	1	02/23/17	LK	SW6010C
Cadmium	< 0.34	0.34	mg/Kg	1	02/23/17	LK	SW6010C
Chromium	15.1	0.34	mg/Kg	1	02/23/17	LK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	02/23/17	RS	SW7471B
Lead	3.63	0.34	mg/Kg	1	02/23/17	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	02/23/17	LK	SW6010C
TCLP Silver	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Arsenic	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Barium	0.33	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Cadmium	< 0.005	0.005	mg/L	1	02/24/17	LK	SW6010C
TCLP Chromium	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	02/23/17	RS	SW7470A
TCLP Lead	< 0.010	0.010	mg/L	1	02/24/17	LK	SW6010C
TCLP Selenium	< 0.01	0.01	mg/L	1	02/24/17	LK	SW6010C
TCLP Metals Digestion	Completed				02/23/17	Q/Q	SW3005A
Percent Solid	88		%		02/22/17	Q	SW846-%Solid
Soil Extraction for PCB	Completed				02/22/17	CC/V	SW3545A
Soil Extraction for Pesticide	Completed				02/22/17	CC/V	SW3545A
Soil Extraction for SVOA	Completed				02/22/17	G/J/CKV	SW3545A
Extraction of CT ETPH	Completed				02/22/17	G/J/CKV	SW3545A
Mercury Digestion	Completed				02/23/17	Q/Q	SW7471B
TCLP Digestion Mercury	Completed				02/23/17	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				02/22/17	Q	SW1311
Total Metals Digest	Completed				02/22/17	\/Z/AG/BF	SW3050B
Field Extraction	Completed				02/21/17		SW5035A

Ver 1

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72177

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	55	mg/Kg	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	76		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	02/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	117		%	10	02/23/17	AW	30 - 150 %
% TCMX	89		%	10	02/23/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDE	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
4,4' -DDT	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
a-BHC	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Alachlor	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	02/25/17	CE	SW8081B
b-BHC	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Chlordane	ND	37	ug/Kg	2	02/25/17	CE	SW8081B
d-BHC	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Endrin	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	02/25/17	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	02/25/17	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	02/25/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	71		%	2	02/25/17	CE	30 - 150 %
% TCMX	81		%	2	02/25/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72177

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	310	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.7	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	37	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72177

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	6.1	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	104		%	1	02/23/17	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	90		%	1	02/23/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72177

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	02/22/17	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Aniline	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Benzoic acid	ND	730	ug/Kg	1	02/22/17	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Phenol	ND	260	ug/Kg	1	02/22/17	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	02/22/17	DD	SW8270D

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72177

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	02/22/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	02/22/17	DD	30 - 130 %
% 2-Fluorophenol	63		%	1	02/22/17	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	02/22/17	DD	30 - 130 %
% Phenol-d5	69		%	1	02/22/17	DD	30 - 130 %
% Terphenyl-d14	73		%	1	02/22/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72178

Project ID: 14EC0056
Client ID: TRIP BLANK LOW LEVEL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				02/21/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
2-Hexanone	ND	25	ug/Kg	1	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C

Project ID: 14EC0056 Phoenix I.D.: BX72178

Client ID: TRIP BLANK LOW LEVEL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	1	02/23/17	JLI	SW8260C
Acetone	ND	250	ug/Kg	1	02/23/17	JLI	SW8260C
Acrylonitrile	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Benzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromochloromethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromoform	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Bromomethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chlorobenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloroform	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Chloromethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	3.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dibromomethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Ethylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
m&p-Xylene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Naphthalene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
o-Xylene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Styrene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Toluene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Total Xylenes	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	02/23/17	JLI	SW8260C
Trichloroethene	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
Vinyl chloride	ND	5.0	ug/Kg	1	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	02/23/17	JLI	70 - 130 %

Ver 1

Project ID: 14EC0056 Phoenix I.D.: BX72178

Client ID: TRIP BLANK LOW LEVEL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	101		%	1	02/23/17	JLI	70 - 130 %
% Toluene-d8	103		%	1	02/23/17	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

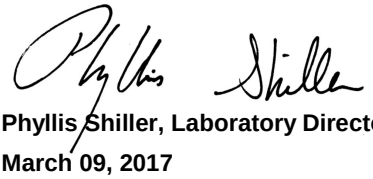
Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

March 09, 2017

Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	WJ	02/21/17	15:45
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72179

Project ID: 14EC0056
Client ID: SB-9 GW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Copper	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	02/23/17	MA	SW6010C
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/23/17	MA	SW6010C
Zinc (Dissolved)	0.004	0.002	mg/L	1	02/23/17	MA	SW6010C
Lead	< 0.002	0.002	mg/L	1	02/23/17	LK	SW6010C
Zinc	0.005	0.002	mg/L	1	02/23/17	LK	SW6010C
Extraction of CT ETPH	Completed				02/22/17	P/D	SW3510C/SW3520C
Filtration	Completed				02/22/17	AG	0.45um Filter
PCB Extraction	Completed				02/22/17	T	SW3510C
Extraction for Pest (2 Liter)	Completed				02/22/17	T	SW3510C
Semi-Volatile Extraction	Completed				02/22/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed				02/22/17	AG	SW3005A
Total Metals Digestion	Completed				02/22/17	AG	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/L	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	67		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1221	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1232	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1242	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1248	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1254	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1260	ND	0.10	ug/L	1	02/24/17	AW	SW8082A

Project ID: 14EC0056
Client ID: SB-9 GW

Phoenix I.D.: BX72179

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1268	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	57		%	1	02/24/17	AW	30 - 150 %
% TCMX	80		%	1	02/24/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDE	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDT	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
a-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Alachlor	ND	0.075	ug/L	1	02/24/17	CE	SW8081B
Aldrin	ND	0.002	ug/L	1	02/24/17	CE	SW8081B
b-BHC	ND	0.005	ug/L	1	02/24/17	CE	SW8081B
Chlordane	ND	0.30	ug/L	1	02/24/17	CE	SW8081B
d-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Dieldrin	ND	0.002	ug/L	1	02/24/17	CE	SW8081B
Endosulfan I	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan II	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan Sulfate	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin Aldehyde	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin ketone	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
g-BHC (Lindane)	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor epoxide	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Methoxychlor	ND	0.10	ug/L	1	02/24/17	CE	SW8081B
Toxaphene	ND	1.0	ug/L	1	02/24/17	CE	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	56		%	1	02/24/17	CE	30 - 150 %
%TCMX (Surrogate Rec)	140		%	1	02/24/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: SB-9 GW

Phoenix I.D.: BX72179

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Acetone	ND	25	ug/L	1	02/22/17	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/22/17	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Styrene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/22/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: SB-9 GW

Phoenix I.D.: BX72179

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	02/22/17	MH	70 - 130 %
% Bromofluorobenzene	98		%	1	02/22/17	MH	70 - 130 %
% Dibromofluoromethane	98		%	1	02/22/17	MH	70 - 130 %
% Toluene-d8	100		%	1	02/22/17	MH	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	02/24/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Aniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	02/24/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-9 GW

Phoenix I.D.: BX72179

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dimethylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Phenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	60		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	38		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	50		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	50		%	1	02/24/17	DD	15 - 110 %
% Terphenyl-d14	82		%	1	02/24/17	DD	30 - 130 %
Semivolatiles (SIM)							
1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Chrysene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	ug/L	1	02/24/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyridine	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	67		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	64		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	66		%	1	02/24/17	DD	15 - 110 %

Project ID: 14EC0056
Client ID: SB-9 GW

Phoenix I.D.: BX72179

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	114		%	1	02/24/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	WJ	02/21/17	
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72180

Project ID: 14EC0056
Client ID: DUP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Copper	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	02/23/17	MA	SW6010C
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/23/17	MA	SW6010C
Zinc (Dissolved)	0.005	0.002	mg/L	1	02/23/17	MA	SW6010C
Lead	< 0.002	0.002	mg/L	1	02/23/17	LK	SW6010C
Zinc	0.004	0.002	mg/L	1	02/23/17	LK	SW6010C
Extraction of CT ETPH	Completed				02/22/17	P/D	SW3510C/SW3520C
Filtration	Completed				02/22/17	AG	0.45um Filter
PCB Extraction	Completed				02/22/17	T	SW3510C
Extraction for Pest (2 Liter)	Completed				02/22/17	T	SW3510C
Semi-Volatile Extraction	Completed				02/22/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed				02/22/17	AG	SW3005A
Total Metals Digestion	Completed				02/22/17	AG	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/L	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	71		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1221	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1232	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1242	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1248	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1254	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1260	ND	0.10	ug/L	1	02/24/17	AW	SW8082A

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72180

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1268	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	66		%	1	02/24/17	AW	30 - 150 %
% TCMX	89		%	1	02/24/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDE	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDT	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
a-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Alachlor	ND	0.075	ug/L	1	02/24/17	CE	SW8081B
Aldrin	ND	0.002	ug/L	1	02/24/17	CE	SW8081B
b-BHC	ND	0.005	ug/L	1	02/24/17	CE	SW8081B
Chlordane	ND	0.30	ug/L	1	02/24/17	CE	SW8081B
d-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Dieldrin	ND	0.002	ug/L	1	02/24/17	CE	SW8081B
Endosulfan I	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan II	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan Sulfate	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin Aldehyde	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin ketone	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
g-BHC (Lindane)	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor epoxide	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Methoxychlor	ND	0.10	ug/L	1	02/24/17	CE	SW8081B
Toxaphene	ND	1.0	ug/L	1	02/24/17	CE	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	54		%	1	02/24/17	CE	30 - 150 %
%TCMX (Surrogate Rec)	112		%	1	02/24/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72180

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Acetone	ND	25	ug/L	1	02/22/17	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/22/17	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Styrene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/22/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72180

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	02/22/17	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	02/22/17	MH	70 - 130 %
% Dibromofluoromethane	97		%	1	02/22/17	MH	70 - 130 %
% Toluene-d8	100		%	1	02/22/17	MH	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	02/24/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Aniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	02/24/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72180

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dimethylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Phenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	64		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	36		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	48		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	49		%	1	02/24/17	DD	15 - 110 %
% Terphenyl-d14	82		%	1	02/24/17	DD	30 - 130 %
Semivolatiles (SIM)							
1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Chrysene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	ug/L	1	02/24/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyridine	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	70		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	52		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	63		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	67		%	1	02/24/17	DD	15 - 110 %

Project ID: 14EC0056
Client ID: DUP

Phoenix I.D.: BX72180

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	106		%	1	02/24/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	WJ	02/21/17	16:00
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72181

Project ID: 14EC0056
Client ID: FIELD BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Copper	< 0.005	0.005	mg/L	1	02/23/17	LK	SW6010C/E200.7
Copper (Dissolved)	< 0.005	0.005	mg/L	1	02/23/17	MA	SW6010C/E200.7
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/23/17	MA	SW6010C/E200.7
Zinc (Dissolved)	< 0.002	0.002	mg/L	1	02/23/17	MA	SW6010C/E200.7
Lead	< 0.002	0.002	mg/L	1	02/23/17	LK	SW6010C/E200.7
Zinc	< 0.002	0.002	mg/L	1	02/23/17	LK	SW6010C/E200.7
Extraction of CT ETPH	Completed				02/22/17	P/D	SW3510C/SW3520C
Filtration	Completed				02/22/17	AG	0.45um Filter
PCB Extraction	Completed				02/22/17	T	SW3510C
Extraction for Pest (2 Liter)	Completed				02/22/17	T	SW3510C
Semi-Volatile Extraction	Completed				02/22/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed				02/22/17	AG	SW3005A
Total Metals Digestion	Completed				02/22/17	AG	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	02/23/17	JRB	CTETPH 8015D
Identification	ND		mg/L	1	02/23/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	70		%	1	02/23/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1221	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1232	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1242	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1248	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1254	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1260	ND	0.10	ug/L	1	02/24/17	AW	SW8082A

Ver 1

Project ID: 14EC0056
Client ID: FIELD BLANK

Phoenix I.D.: BX72181

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
PCB-1268	ND	0.10	ug/L	1	02/24/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	74		%	1	02/24/17	AW	30 - 150 %
% TCMX	37		%	1	02/24/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDE	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
4,4' -DDT	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
a-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Alachlor	ND	0.075	ug/L	1	02/24/17	CE	SW8081B
Aldrin	ND	0.002	ug/L	1	02/24/17	CE	SW8081B
b-BHC	ND	0.005	ug/L	1	02/24/17	CE	SW8081B
Chlordane	ND	0.30	ug/L	1	02/24/17	CE	SW8081B
d-BHC	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Dieldrin	ND	0.003	ug/L	1	02/24/17	CE	SW8081B
Endosulfan I	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan II	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endosulfan Sulfate	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin Aldehyde	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
Endrin ketone	ND	0.050	ug/L	1	02/24/17	CE	SW8081B
g-BHC (Lindane)	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Heptachlor epoxide	ND	0.025	ug/L	1	02/24/17	CE	SW8081B
Methoxychlor	ND	0.10	ug/L	1	02/24/17	CE	SW8081B
Toxaphene	ND	1.0	ug/L	1	02/24/17	CE	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	65		%	1	02/24/17	CE	30 - 150 %
%TCMX (Surrogate Rec)	51		%	1	02/24/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	02/22/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: FIELD BLANK

Phoenix I.D.: BX72181

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Acetone	ND	25	ug/L	1	02/22/17	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	02/22/17	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	02/22/17	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Styrene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/22/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	SW8260C

Project ID: 14EC0056
Client ID: FIELD BLANK

Phoenix I.D.: BX72181

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/22/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	02/22/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	02/22/17	MH	70 - 130 %
% Bromofluorobenzene	96		%	1	02/22/17	MH	70 - 130 %
% Dibromofluoromethane	95		%	1	02/22/17	MH	70 - 130 %
% Toluene-d8	100		%	1	02/22/17	MH	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	02/24/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	02/24/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Aniline	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	02/24/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D

Project ID: 14EC0056
Client ID: FIELD BLANK

Phoenix I.D.: BX72181

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Dimethylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-butylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Di-n-octylphthalate	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Isophorone	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	02/24/17	DD	SW8270D
Phenol	ND	1.0	ug/L	1	02/24/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	47		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	20		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	33		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	28		%	1	02/24/17	DD	15 - 110 %
% Terphenyl-d14	83		%	1	02/24/17	DD	30 - 130 %
Semivolatiles (SIM)							
1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Chrysene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluoranthene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Fluorene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Naphthalene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80	ug/L	1	02/24/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyrene	ND	0.05	ug/L	1	02/24/17	DD	SW8270D (SIM)
Pyridine	ND	0.50	ug/L	1	02/24/17	DD	SW8270D (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	66		%	1	02/24/17	DD	15 - 110 %
% 2-Fluorobiphenyl	52		%	1	02/24/17	DD	30 - 130 %
% 2-Fluorophenol	29		%	1	02/24/17	DD	15 - 110 %
% Nitrobenzene-d5	41		%	1	02/24/17	DD	30 - 130 %
% Phenol-d5	37		%	1	02/24/17	DD	15 - 110 %

Project ID: 14EC0056
Client ID: FIELD BLANK

Phoenix I.D.: BX72181

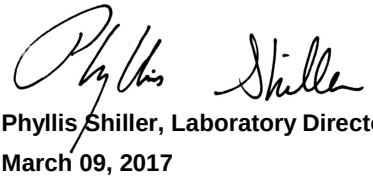
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	99		%	1	02/24/17	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	02/21/17	
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72182

Project ID: 14EC0056
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				02/21/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	200	ug/Kg	50	02/23/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	100	ug/Kg	50	02/23/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,1-Dichloroethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,1-Dichloroethene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,1-Dichloropropene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dibromoethane	ND	25	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dichloroethane	ND	200	ug/Kg	50	02/23/17	JLI	SW8260C
1,2-Dichloropropane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,3-Dichloropropane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
2,2-Dichloropropane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
2-Chlorotoluene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
2-Hexanone	ND	1300	ug/Kg	50	02/23/17	JLI	SW8260C
2-Isopropyltoluene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
4-Chlorotoluene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: TRIP BLANK HL

Phoenix I.D.: BX72182

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1300	ug/Kg	50	02/23/17	JLI	SW8260C
Acetone	ND	5000	ug/Kg	50	02/23/17	JLI	SW8260C
Acrylonitrile	ND	100	ug/Kg	50	02/23/17	JLI	SW8260C
Benzene	ND	200	ug/Kg	50	02/23/17	JLI	SW8260C
Bromobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Bromochloromethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Bromodichloromethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Bromoform	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Bromomethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Carbon Disulfide	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Carbon tetrachloride	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Chlorobenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Chloroethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Chloroform	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Chloromethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Dibromochloromethane	ND	100	ug/Kg	50	02/23/17	JLI	SW8260C
Dibromomethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Dichlorodifluoromethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Ethylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Hexachlorobutadiene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Isopropylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
m&p-Xylene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	3000	ug/Kg	50	02/23/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Methylene chloride	ND	500	ug/Kg	50	02/23/17	JLI	SW8260C
Naphthalene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
n-Butylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
n-Propylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
o-Xylene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
p-Isopropyltoluene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
sec-Butylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Styrene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
tert-Butylbenzene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Tetrachloroethene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	ug/Kg	50	02/23/17	JLI	SW8260C
Toluene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Total Xylenes	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	50	02/23/17	JLI	SW8260C
Trichloroethene	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Trichlorofluoromethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
Vinyl chloride	ND	250	ug/Kg	50	02/23/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	50	02/23/17	JLI	70 - 130 %
% Bromofluorobenzene	101		%	50	02/23/17	JLI	70 - 130 %

Ver 1

Project ID: 14EC0056
Client ID: TRIP BLANK HL

Phoenix I.D.: BX72182

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	94		%	50	02/23/17	JLI	70 - 130 %
% Toluene-d8	101		%	50	02/23/17	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

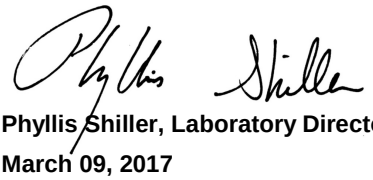
TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, 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

March 09, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		02/21/17	
Location Code:	BLCOMP-DAS	Received by:	LB	02/22/17	9:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX72161
Phoenix ID: BX72301

Project ID: 14EC0056
Client ID: TB-GW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/22/17	MH	E624
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,1-Dichloroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,1-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,1-Dichloropropene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2,3-Trichloropropane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2-Dibromoethane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,2-Dichloroethane	ND	0.60	ug/L	1	02/22/17	MH	E624
1,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
1,3-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	E624
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
2,2-Dichloropropane	ND	1.0	ug/L	1	02/22/17	MH	E624
2-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	E624
2-Hexanone	ND	5.0	ug/L	1	02/22/17	MH	E624
2-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	E624
4-Chlorotoluene	ND	1.0	ug/L	1	02/22/17	MH	E624
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/22/17	MH	E624

Project ID: 14EC0056
Client ID: TB-GW

Phoenix I.D.: BX72301

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	02/22/17	MH	E624
Acrylonitrile	ND	5.0	ug/L	1	02/22/17	MH	E624
Benzene	ND	0.70	ug/L	1	02/22/17	MH	E624
Bromobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
Bromochloromethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Bromodichloromethane	ND	0.50	ug/L	1	02/22/17	MH	E624
Bromoform	ND	1.0	ug/L	1	02/22/17	MH	E624
Bromomethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Carbon Disulfide	ND	5.0	ug/L	1	02/22/17	MH	E624
Carbon tetrachloride	ND	1.0	ug/L	1	02/22/17	MH	E624
Chlorobenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
Chloroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Chloroform	ND	1.0	ug/L	1	02/22/17	MH	E624
Chloromethane	ND	1.0	ug/L	1	02/22/17	MH	E624
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	E624
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	E624
Dibromochloromethane	ND	0.50	ug/L	1	02/22/17	MH	E624
Dibromomethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Ethylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
Hexachlorobutadiene	ND	0.40	ug/L	1	02/22/17	MH	E624
Isopropylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
m&p-Xylene	ND	1.0	ug/L	1	02/22/17	MH	E624
Methyl ethyl ketone	ND	5.0	ug/L	1	02/22/17	MH	E624
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/22/17	MH	E624
Methylene chloride	ND	1.0	ug/L	1	02/22/17	MH	E624
Naphthalene	ND	1.0	ug/L	1	02/22/17	MH	E624
n-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
n-Propylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
o-Xylene	ND	1.0	ug/L	1	02/22/17	MH	E624
p-Isopropyltoluene	ND	1.0	ug/L	1	02/22/17	MH	E624
sec-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
Styrene	ND	1.0	ug/L	1	02/22/17	MH	E624
tert-Butylbenzene	ND	1.0	ug/L	1	02/22/17	MH	E624
Tetrachloroethene	ND	1.0	ug/L	1	02/22/17	MH	E624
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/22/17	MH	E624
Toluene	ND	1.0	ug/L	1	02/22/17	MH	E624
Total Xylenes	ND	1.0	ug/L	1	02/22/17	MH	E624
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/22/17	MH	E624
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/22/17	MH	E624
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/22/17	MH	E624
Trichloroethene	ND	1.0	ug/L	1	02/22/17	MH	E624
Trichlorofluoromethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/22/17	MH	E624
Vinyl chloride	ND	1.0	ug/L	1	02/22/17	MH	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	02/22/17	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	02/22/17	MH	70 - 130 %
% Dibromofluoromethane	97		%	1	02/22/17	MH	70 - 130 %

Project ID: 14EC0056
Client ID: TB-GW

Phoenix I.D.: BX72301

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	02/22/17	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 09, 2017
Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
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QA/QC Report

March 09, 2017

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 377101 (mg/kg), QC Sample No: BX70999 (BX72175, BX72176, BX72177)														
ICP Metals - Soil														
Arsenic	BRL	0.67	2.41	2.78	NC	81.9			88.2			75 - 125	30	
Barium	BRL	0.33	32.3	29.2	10.1	82.6			99.7			75 - 125	30	
Cadmium	BRL	0.33	<0.35	<0.36	NC	83.0			90.7			75 - 125	30	
Chromium	BRL	0.33	19.5	19.5	0	85.4			95.3			75 - 125	30	
Lead	BRL	0.33	57.4	67.8	16.6	81.0			94.3			75 - 125	30	
Selenium	BRL	1.3	<1.4	<1.5	NC	93.3			76.1			75 - 125	30	
Silver	BRL	0.33	<0.35	<0.36	NC	80.6			93.7			75 - 125	30	
QA/QC Batch 377227 (mg/kg), QC Sample No: BX71967 (BX72161, BX72162, BX72163, BX72164)														
ICP Metals - Soil														
Arsenic	BRL	0.67	6.0	7.8	26.1	94.0			93.1			75 - 125	30	
Barium	BRL	0.33	258	333	25.4	101			>130			75 - 125	30	m
Cadmium	BRL	0.33	1.90	2.30	NC	93.3			95.7			75 - 125	30	
Chromium	BRL	0.33	22.0	38.0	53.3	102			102			75 - 125	30	r
Lead	BRL	0.33	52.7	70.9	29.4	102			102			75 - 125	30	
Selenium	BRL	1.3	<6.0	<2.3	NC	77.3			77.1			75 - 125	30	
Silver	BRL	0.33	5.04	6.74	28.9	98.9			107			75 - 125	30	
QA/QC Batch 377095 (mg/L), QC Sample No: BX72096 (BX72179, BX72180, BX72181)														
ICP Metals - Aqueous														
Copper	BRL	0.005	<0.005	<0.005	NC	98.3			109			75 - 125	20	
Lead	BRL	0.002	0.009	<0.002	NC	102			99.2			75 - 125	20	
Zinc	BRL	0.002	<0.002	<0.002	NC	103			109			75 - 125	20	
QA/QC Batch 377159 (mg/L), QC Sample No: BX72161 (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.01	<0.01	<0.01	NC	104			103			75 - 125	20	
Barium	BRL	0.01	0.43	0.43	0	95.3			96.3			75 - 125	20	
Cadmium	BRL	0.005	<0.005	<0.005	NC	97.6			98.1			75 - 125	20	
Chromium	BRL	0.010	<0.010	<0.010	NC	100			101			75 - 125	20	
Lead	BRL	0.010	0.215	0.211	1.90	104			104			75 - 125	20	
Selenium	BRL	0.01	<0.01	<0.01	NC	102			102			75 - 125	20	
Silver	BRL	0.010	<0.010	<0.010	NC	110			111			75 - 125	20	
QA/QC Batch 377152 (mg/L), QC Sample No: BX72161 (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	88.6			90.3			70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 377156 (mg/kg), QC Sample No: BX72164 (BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)														
Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	95.8	92.0	4.0	93.9			70 - 130	30	

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 377125 (mg/kg), QC Sample No: BX72167 (BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171)													
ICP Metals - Soil													
Arsenic	BRL	0.66	2.96	3.08	NC	91.9			88.8			75 - 125	30
Barium	BRL	0.33	30.6	33.8	9.90	96.2			99.3			75 - 125	30
Cadmium	BRL	0.33	0.83	0.94	NC	88.8			89.2			75 - 125	30
Chromium	BRL	0.33	8.37	9.83	16.0	100			96.9			75 - 125	30
Lead	BRL	0.33	48.3	51.7	6.80	95.1			96.1			75 - 125	30
Selenium	BRL	1.3	<1.3	<1.3	NC	76.5			75.8			75 - 125	30
Silver	BRL	0.33	<0.32	<0.33	NC	100			101			75 - 125	30
QA/QC Batch 377117 (mg/L), QC Sample No: BX72259 (BX72179, BX72180, BX72181)													
ICP Metals - Dissolved													
Copper	BRL	0.005	<0.005	<0.005	NC	92.1			89.5			75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	95.4			92.4			75 - 125	20
Zinc	BRL	0.002	0.013	0.013	0	95.3			92.6			75 - 125	20
QA/QC Batch 377102 (mg/kg), QC Sample No: BX72297 (BX72172, BX72173, BX72174)													
ICP Metals - Soil													
Arsenic	BRL	0.67	2.75	1.97	NC	101			90.4			75 - 125	30
Barium	BRL	0.33	46.8	41.8	11.3	108			99.2			75 - 125	30
Cadmium	BRL	0.33	<0.34	<0.34	NC	100			93.0			75 - 125	30
Chromium	BRL	0.33	10.1	8.12	21.7	113			99.2			75 - 125	30
Lead	BRL	0.33	16.1	15.0	7.10	111			96.6			75 - 125	30
Selenium	BRL	1.3	<1.4	<1.4	NC	85.7			75.0			75 - 125	30
Silver	BRL	0.33	<0.34	<0.34	NC	110			99.8			75 - 125	30
QA/QC Batch 377153 (mg/L), QC Sample No: BX72517 (BX72177)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	100			90.0			70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 377155 (mg/kg), QC Sample No: BX72854 (BX72161, BX72162)													
Mercury - Soil	BRL	0.02	<0.03	<0.03	NC	84.7	90.4	6.5	92.7			70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													

m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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QA/QC Report

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QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 377131 (PH), QC Sample No: BX72161 (BX72161, BX72163, BX72165, BX72167, BX72168, BX72170, BX72171, BX72172, BX72173, BX72175, BX72176)													
pH - Soil			6.12	6.12	0	98.8						85 - 115	20
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 377148 (mg/Kg), QC Sample No: BX72163 4.59X (BX72161, BX72163, BX72165, BX72167, BX72168, BX72170, BX72171, BX72172, BX72173, BX72175, BX72176)													
Reactivity Cyanide	BRL	0.05	<5.3	<5.3	NC	98.0						85 - 115	30
QA/QC Batch 377191 (Degree F), QC Sample No: BX72740 (BX72161, BX72163, BX72165, BX72167, BX72168, BX72170, BX72171, BX72172, BX72173, BX72175, BX72176)													
Flash Point			>200	>200	NC	101						85 - 115	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													

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SDG I.D.: GBX72161

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 376969 (ug/Kg), QC Sample No: BX71443 2X (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	60	73	19.5	77	68	12.4	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	68	82	18.7	80	76	5.1	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	84	%	72	96	28.6	85	78	8.6	30 - 150	30
% TCMX (Surrogate Rec)	65	%	65	76	15.6	79	71	10.7	30 - 150	30
QA/QC Batch 376967 (ug/Kg), QC Sample No: BX71669 2X (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	78	78	0.0	85	88	3.5	40 - 140	30
4,4' -DDE	ND	1.7	72	77	6.7	74	76	2.7	40 - 140	30
4,4' -DDT	ND	1.7	76	73	4.0	83	85	2.4	40 - 140	30
a-BHC	ND	1.0	85	89	4.6	81	71	13.2	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	78	79	1.3	63	62	1.6	40 - 140	30
b-BHC	ND	1.0	75	97	25.6	83	75	10.1	40 - 140	30
Chlordane	ND	33	71	74	4.1	52	54	3.8	40 - 140	30
d-BHC	ND	3.3	67	74	9.9	64	67	4.6	40 - 140	30
Dieldrin	ND	1.0	74	79	6.5	72	70	2.8	40 - 140	30
Endosulfan I	ND	3.3	77	85	9.9	74	75	1.3	40 - 140	30
Endosulfan II	ND	3.3	80	77	3.8	65	63	3.1	40 - 140	30
Endosulfan sulfate	ND	3.3	67	76	12.6	72	58	21.5	40 - 140	30
Endrin	ND	3.3	85	85	0.0	86	86	0.0	40 - 140	30
Endrin aldehyde	ND	3.3	68	72	5.7	46	48	4.3	40 - 140	30
Endrin ketone	ND	3.3	70	81	14.6	62	61	1.6	40 - 140	30
g-BHC	ND	1.0	77	82	6.3	72	66	8.7	40 - 140	30
Heptachlor	ND	3.3	80	83	3.7	71	73	2.8	40 - 140	30
Heptachlor epoxide	ND	3.3	81	82	1.2	69	72	4.3	40 - 140	30
Methoxychlor	ND	3.3	72	75	4.1	83	67	21.3	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	59	%	64	71	10.4	56	62	10.2	30 - 150	30
% TCMX	73	%	82	85	3.6	77	75	2.6	30 - 150	30

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 376991 (ug/L), QC Sample No: BX71853 (BX72179, BX72180, BX72181)											
Polychlorinated Biphenyls - Ground Water											
PCB-1016	ND	0.050	68	64	6.1				40 - 140	20	
PCB-1221	ND	0.050							40 - 140	20	
PCB-1232	ND	0.050							40 - 140	20	
PCB-1242	ND	0.050							40 - 140	20	
PCB-1248	ND	0.050							40 - 140	20	
PCB-1254	ND	0.050							40 - 140	20	
PCB-1260	ND	0.050	83	89	7.0				40 - 140	20	
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	90	%	99	105	5.9				30 - 150	20	
% TCMX (Surrogate Rec)	75	%	82	88	7.1				30 - 150	20	
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											
QA/QC Batch 377052 (ug/L), QC Sample No: BX71853 (BX72179, BX72180, BX72181)											
Semivolatiles (SIM) - Ground Water											
1,2,4,5-Tetrachlorobenzene	ND	0.50	68	76	11.1				30 - 130	20	
2-Methylnaphthalene	ND	0.02	69	78	12.2				30 - 130	20	
Acenaphthene	ND	0.02	87	93	6.7				30 - 130	20	
Acenaphthylene	ND	0.02	86	91	5.6				30 - 130	20	
Anthracene	ND	0.02	101	102	1.0				30 - 130	20	
Benz(a)anthracene	ND	0.02	88	91	3.4				30 - 130	20	
Benzo(a)pyrene	ND	0.02	84	83	1.2				30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	89	94	5.5				30 - 130	20	
Benzo(ghi)perylene	ND	0.02	96	95	1.0				30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	95	92	3.2				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	0.10	92	97	5.3				30 - 130	20	
Chrysene	ND	0.02	90	92	2.2				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.01	98	98	0.0				30 - 130	20	
Fluoranthene	ND	0.02	100	101	1.0				30 - 130	20	
Fluorene	ND	0.02	93	96	3.2				30 - 130	20	
Hexachlorobenzene	ND	0.02	89	90	1.1				30 - 130	20	
Hexachlorobutadiene	ND	0.05	54	66	20.0				30 - 130	20	
Hexachloroethane	ND	0.05	48	59	20.6				30 - 130	20	r
Indeno(1,2,3-cd)pyrene	ND	0.02	94	94	0.0				30 - 130	20	
Naphthalene	ND	0.02	62	74	17.6				30 - 130	20	
Nitrobenzene	ND	0.05	61	74	19.3				30 - 130	20	
Pentachloronitrobenzene	ND	0.10	93	95	2.1				30 - 130	20	
Pentachlorophenol	ND	0.20	109	119	8.8				30 - 130	20	
Phenanthrene	ND	0.02	93	94	1.1				30 - 130	20	
Pyrene	ND	0.02	102	103	1.0				30 - 130	20	
Pyridine	ND	0.50	42	47	11.2				30 - 130	20	
% 2,4,6-Tribromophenol	81	%	93	96	3.2				15 - 110	20	
% 2-Fluorobiphenyl	83	%	73	81	10.4				30 - 130	20	
% 2-Fluorophenol	75	%	41	52	23.7				15 - 110	20	r
% Nitrobenzene-d5	86	%	59	74	22.6				30 - 130	20	r
% Phenol-d5	84	%	52	65	22.2				15 - 110	20	r
% Terphenyl-d14	88	%	94	95	1.1				30 - 130	20	
Comment:											
Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)											

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 377052 (ug/L), QC Sample No: BX71853 (BX72179, BX72180, BX72181)											
Semivolatiles - Ground Water											
1,2,4-Trichlorobenzene	ND	3.5	59	71	18.5				30 - 130	20	
1,2-Dichlorobenzene	ND	1.0	48	61	23.9				30 - 130	20	r
1,2-Diphenylhydrazine	ND	1.6	96	96	0.0				30 - 130	20	
1,3-Dichlorobenzene	ND	1.0	45	56	21.8				30 - 130	20	r
1,4-Dichlorobenzene	ND	1.0	49	60	20.2				30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	86	89	3.4				30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	82	88	7.1				30 - 130	20	
2,4-Dichlorophenol	ND	1.0	69	78	12.2				30 - 130	20	
2,4-Dimethylphenol	ND	1.0	71	78	9.4				30 - 130	20	
2,4-Dinitrophenol	ND	1.0	102	103	1.0				30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	98	100	2.0				30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	88	88	0.0				30 - 130	20	
2-Chloronaphthalene	ND	3.5	78	87	10.9				30 - 130	20	
2-Chlorophenol	ND	1.0	52	63	19.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	65	80	20.7				30 - 130	20	r
2-Nitroaniline	ND	3.5	99	99	0.0				30 - 130	20	
2-Nitrophenol	ND	1.0	60	72	18.2				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	65	78	18.2				30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	48	48	0.0				30 - 130	20	
3-Nitroaniline	ND	5.0	93	92	1.1				30 - 130	20	
4,6-Dinitro-2-methylphenol	ND	1.0	103	103	0.0				30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	90	92	2.2				30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	90	94	4.3				30 - 130	20	
4-Chloroaniline	ND	3.5	77	81	5.1				30 - 130	20	
4-Chlorophenyl phenyl ether	ND	1.0	80	82	2.5				30 - 130	20	
4-Nitroaniline	ND	5.0	97	99	2.0				30 - 130	20	
4-Nitrophenol	ND	1.0	97	98	1.0				15 - 130	20	
Acetophenone	ND	3.5	61	75	20.6				30 - 130	20	r
Aniline	ND	3.5	55	67	19.7				30 - 130	20	
Benzidine	ND	4.5	100	102	2.0				30 - 130	20	
Benzoic acid	ND	10	60	68	12.5				30 - 130	20	
Benzyl butyl phthalate	ND	1.5	103	103	0.0				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	76	88	14.6				30 - 130	20	
Bis(2-chloroethyl)ether	ND	1.0	51	64	22.6				30 - 130	20	r
Bis(2-chloroisopropyl)ether	ND	1.0	52	64	20.7				30 - 130	20	r
Carbazole	ND	5.0	97	97	0.0				30 - 130	20	
Dibenzofuran	ND	3.5	84	87	3.5				30 - 130	20	
Diethyl phthalate	ND	1.5	95	96	1.0				30 - 130	20	
Dimethylphthalate	ND	1.5	92	93	1.1				30 - 130	20	
Di-n-butylphthalate	ND	1.5	106	104	1.9				30 - 130	20	
Di-n-octylphthalate	ND	1.5	110	110	0.0				30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	38	40	5.1				30 - 130	20	
Isophorone	ND	3.5	76	85	11.2				30 - 130	20	
N-Nitrosodimethylamine	ND	1.0	47	58	21.0				30 - 130	20	r
N-Nitrosodi-n-propylamine	ND	3.5	73	87	17.5				30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	92	92	0.0				30 - 130	20	
Phenol	ND	1.0	58	74	24.2				15 - 130	20	r
% 2,4,6-Tribromophenol	84	%	88	89	1.1				15 - 110	20	
% 2-Fluorobiphenyl	76	%	68	75	9.8				30 - 130	20	
% 2-Fluorophenol	56	%	38	48	23.3				15 - 110	20	r

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Nitrobenzene-d5	82	%		58	71	20.2				30 - 130	20	
% Phenol-d5	65	%		49	61	21.8				15 - 110	20	r
% Terphenyl-d14	79	%		90	91	1.1				30 - 130	20	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 377058 (mg/Kg), QC Sample No: BX71975 (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C.	ND	50		81			64	76	17.1	60 - 120	30	
% n-Pentacosane	61	%		97			77	92	17.8	50 - 150	30	

Comment:

Additional criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%.

QA/QC Batch 377356 (ug/kg), QC Sample No: BX72161 (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0		120	114	5.1				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0		106	99	6.8				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0		115	110	4.4				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0		109	103	5.7				70 - 130	30	
1,1-Dichloroethane	ND	5.0		105	99	5.9				70 - 130	30	
1,1-Dichloroethene	ND	5.0		114	108	5.4				70 - 130	30	
1,1-Dichloropropene	ND	5.0		109	101	7.6				70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0		113	105	7.3				70 - 130	30	
1,2,3-Trichloropropane	ND	5.0		107	102	4.8				70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0		108	101	6.7				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0		111	104	6.5				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0		116	108	7.1				70 - 130	30	
1,2-Dibromoethane	ND	5.0		109	105	3.7				70 - 130	30	
1,2-Dichlorobenzene	ND	5.0		119	111	7.0				70 - 130	30	
1,2-Dichloroethane	ND	5.0		111	107	3.7				70 - 130	30	
1,2-Dichloropropane	ND	5.0		111	104	6.5				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0		115	107	7.2				70 - 130	30	
1,3-Dichlorobenzene	ND	5.0		113	107	5.5				70 - 130	30	
1,3-Dichloropropane	ND	5.0		108	103	4.7				70 - 130	30	
1,4-Dichlorobenzene	ND	5.0		119	112	6.1				70 - 130	30	
2,2-Dichloropropane	ND	5.0		114	105	8.2				70 - 130	30	
2-Chlorotoluene	ND	5.0		117	110	6.2				70 - 130	30	
2-Hexanone	ND	25		78	76	2.6				70 - 130	30	
2-Isopropyltoluene	ND	5.0		105	99	5.9				70 - 130	30	
4-Chlorotoluene	ND	5.0		114	107	6.3				70 - 130	30	
4-Methyl-2-pentanone	ND	25		89	84	5.8				70 - 130	30	
Acetone	ND	10		73	71	2.8				70 - 130	30	
Acrylonitrile	ND	5.0		87	84	3.5				70 - 130	30	
Benzene	ND	1.0		107	101	5.8				70 - 130	30	
Bromobenzene	ND	5.0		121	115	5.1				70 - 130	30	
Bromochloromethane	ND	5.0		105	101	3.9				70 - 130	30	
Bromodichloromethane	ND	5.0		114	108	5.4				70 - 130	30	
Bromoform	ND	5.0		117	110	6.2				70 - 130	30	
Bromomethane	ND	5.0		111	103	7.5				70 - 130	30	
Carbon Disulfide	ND	5.0		103	97	6.0				70 - 130	30	
Carbon tetrachloride	ND	5.0		109	104	4.7				70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chlorobenzene	ND	5.0	117	110	6.2				70 - 130	30
Chloroethane	ND	5.0	101	92	9.3				70 - 130	30
Chloroform	ND	5.0	102	95	7.1				70 - 130	30
Chloromethane	ND	5.0	93	88	5.5				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	105	100	4.9				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	111	105	5.6				70 - 130	30
Dibromochloromethane	ND	3.0	122	117	4.2				70 - 130	30
Dibromomethane	ND	5.0	113	106	6.4				70 - 130	30
Dichlorodifluoromethane	ND	5.0	100	94	6.2				70 - 130	30
Ethylbenzene	ND	1.0	117	109	7.1				70 - 130	30
Hexachlorobutadiene	ND	5.0	120	109	9.6				70 - 130	30
Isopropylbenzene	ND	1.0	116	107	8.1				70 - 130	30
m&p-Xylene	ND	2.0	110	104	5.6				70 - 130	30
Methyl ethyl ketone	ND	5.0	74	74	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	102	98	4.0				70 - 130	30
Methylene chloride	ND	5.0	106	104	1.9				70 - 130	30
Naphthalene	ND	5.0	113	109	3.6				70 - 130	30
n-Butylbenzene	ND	1.0	117	110	6.2				70 - 130	30
n-Propylbenzene	ND	1.0	117	109	7.1				70 - 130	30
o-Xylene	ND	2.0	111	105	5.6				70 - 130	30
p-Isopropyltoluene	ND	1.0	114	106	7.3				70 - 130	30
sec-Butylbenzene	ND	1.0	119	111	7.0				70 - 130	30
Styrene	ND	5.0	108	103	4.7				70 - 130	30
tert-Butylbenzene	ND	1.0	117	109	7.1				70 - 130	30
Tetrachloroethene	ND	5.0	117	107	8.9				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	82	80	2.5				70 - 130	30
Toluene	ND	1.0	115	108	6.3				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	109	103	5.7				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	111	105	5.6				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	103	100	3.0				70 - 130	30
Trichloroethene	ND	5.0	114	106	7.3				70 - 130	30
Trichlorofluoromethane	ND	5.0	102	96	6.1				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	102	96	6.1				70 - 130	30
Vinyl chloride	ND	5.0	99	92	7.3				70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	103	102	1.0				70 - 130	30
% Bromofluorobenzene	101	%	103	102	1.0				70 - 130	30
% Dibromofluoromethane	93	%	92	93	1.1				70 - 130	30
% Toluene-d8	89	%	102	100	2.0				70 - 130	30

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 377057 (ug/Kg), QC Sample No: BX72173 2X (BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	78	70	10.8	71	76	6.8	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	91	93	2.2	85	86	1.2	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP (Surrogate Rec)	89	%		102	110	7.5	97	100	3.0	30 - 150	30	
% TCMX (Surrogate Rec)	75	%		88	86	2.3	82	82	0.0	30 - 150	30	

QA/QC Batch 377059 (mg/Kg), QC Sample No: BX72177 (BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C.	ND	50		66	63	4.7	78	80	2.5	60 - 120	30	
% n-Pentacosane	73	%		78	76	2.6	97	96	1.0	50 - 150	30	

Comment:

Additional criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%.

QA/QC Batch 377053 (ug/kg), QC Sample No: BX72177 (BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	230		59	60	1.7	59	53	10.7	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230		61	62	1.6	65	59	9.7	30 - 130	30	
1,2-Dichlorobenzene	ND	180		53	54	1.9	57	52	9.2	30 - 130	30	
1,2-Diphenylhydrazine	ND	230		71	69	2.9	71	60	16.8	30 - 130	30	
1,3-Dichlorobenzene	ND	230		51	51	0.0	55	50	9.5	30 - 130	30	
1,4-Dichlorobenzene	ND	230		52	52	0.0	56	52	7.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	230		72	71	1.4	70	62	12.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	130		73	73	0.0	73	64	13.1	30 - 130	30	
2,4-Dichlorophenol	ND	130		69	69	0.0	68	61	10.9	30 - 130	30	
2,4-Dimethylphenol	ND	230		66	64	3.1	60	57	5.1	30 - 130	30	
2,4-Dinitrophenol	ND	230		<10	<10	NC	31	28	10.2	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	130		77	75	2.6	79	70	12.1	30 - 130	30	
2,6-Dinitrotoluene	ND	130		76	76	0.0	76	65	15.6	30 - 130	30	
2-Chloronaphthalene	ND	230		73	71	2.8	70	63	10.5	30 - 130	30	
2-Chlorophenol	ND	230		64	62	3.2	65	55	16.7	30 - 130	30	
2-Methylnaphthalene	ND	230		64	63	1.6	64	57	11.6	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230		65	62	4.7	67	53	23.3	30 - 130	30	
2-Nitroaniline	ND	330		62	58	6.7	63	57	10.0	30 - 130	30	
2-Nitrophenol	ND	230		61	60	1.7	61	58	5.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230		69	66	4.4	66	57	14.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130		60	60	0.0	57	55	3.6	30 - 130	30	
3-Nitroaniline	ND	330		66	64	3.1	66	60	9.5	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230		26	26	0.0	61	54	12.2	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	230		75	78	3.9	78	70	10.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	230		71	70	1.4	71	60	16.8	30 - 130	30	
4-Chloroaniline	ND	230		68	66	3.0	62	53	15.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230		74	74	0.0	74	66	11.4	30 - 130	30	
4-Nitroaniline	ND	230		79	73	7.9	75	62	19.0	30 - 130	30	
4-Nitrophenol	ND	230		73	67	8.6	70	63	10.5	30 - 130	30	
Acenaphthene	ND	230		74	73	1.4	72	66	8.7	30 - 130	30	
Acenaphthylene	ND	130		74	73	1.4	73	62	16.3	30 - 130	30	
Acetophenone	ND	230		59	57	3.4	60	52	14.3	30 - 130	30	
Aniline	ND	330		57	54	5.4	43	30	35.6	30 - 130	30	r
Anthracene	ND	230		77	77	0.0	78	73	6.6	30 - 130	30	
Benz(a)anthracene	ND	230		76	75	1.3	76	71	6.8	30 - 130	30	
Benzidine	ND	330		<10	<10	NC	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	130		73	72	1.4	74	68	8.5	30 - 130	30	
Benzo(b)fluoranthene	ND	160		75	77	2.6	77	70	9.5	30 - 130	30	
Benzo(ghi)perylene	ND	230		75	75	0.0	75	72	4.1	30 - 130	30	
Benzo(k)fluoranthene	ND	230		78	75	3.9	80	74	7.8	30 - 130	30	

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzoic Acid	ND	330	<10	<10	NC	19	12	45.2	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	230	78	78	0.0	76	68	11.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	74	72	2.7	71	66	7.3	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	55	55	0.0	63	55	13.6	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	58	55	5.3	59	53	10.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	76	75	1.3	76	69	9.7	30 - 130	30	
Carbazole	ND	230	74	74	0.0	75	70	6.9	30 - 130	30	
Chrysene	ND	230	81	82	1.2	81	76	6.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	74	74	0.0	74	70	5.6	30 - 130	30	
Dibenzofuran	ND	230	71	71	0.0	71	63	11.9	30 - 130	30	
Diethyl phthalate	ND	230	74	74	0.0	74	67	9.9	30 - 130	30	
Dimethylphthalate	ND	230	76	76	0.0	76	66	14.1	30 - 130	30	
Di-n-butylphthalate	ND	230	78	78	0.0	77	68	12.4	30 - 130	30	
Di-n-octylphthalate	ND	230	76	73	4.0	73	64	13.1	30 - 130	30	
Fluoranthene	ND	230	76	75	1.3	77	70	9.5	30 - 130	30	
Fluorene	ND	230	75	74	1.3	74	66	11.4	30 - 130	30	
Hexachlorobenzene	ND	130	75	75	0.0	75	64	15.8	30 - 130	30	
Hexachlorobutadiene	ND	230	56	58	3.5	59	55	7.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	59	54	8.8	58	51	12.8	30 - 130	30	
Hexachloroethane	ND	130	50	49	2.0	52	49	5.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	73	73	0.0	73	69	5.6	30 - 130	30	
Isophorone	ND	130	65	62	4.7	63	59	6.6	30 - 130	30	
Naphthalene	ND	230	65	65	0.0	66	59	11.2	30 - 130	30	
Nitrobenzene	ND	130	62	60	3.3	64	55	15.1	30 - 130	30	
N-Nitrosodimethylamine	ND	230	51	51	0.0	57	57	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	69	65	6.0	67	59	12.7	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	82	83	1.2	84	75	11.3	30 - 130	30	
Pentachloronitrobenzene	ND	230	68	69	1.5	69	62	10.7	30 - 130	30	
Pentachlorophenol	ND	230	51	48	6.1	60	49	20.2	30 - 130	30	
Phenanthrene	ND	130	76	76	0.0	77	71	8.1	30 - 130	30	
Phenol	ND	230	75	72	4.1	72	58	21.5	30 - 130	30	
Pyrene	ND	230	77	77	0.0	79	70	12.1	30 - 130	30	
Pyridine	ND	230	36	36	0.0	38	39	2.6	30 - 130	30	
% 2,4,6-Tribromophenol	64	%	72	67	7.2	71	55	25.4	30 - 130	30	
% 2-Fluorobiphenyl	63	%	66	65	1.5	65	58	11.4	30 - 130	30	
% 2-Fluorophenol	59	%	58	57	1.7	61	51	17.9	30 - 130	30	
% Nitrobenzene-d5	61	%	59	56	5.2	60	50	18.2	30 - 130	30	
% Phenol-d5	65	%	65	63	3.1	65	54	18.5	30 - 130	30	
% Terphenyl-d14	75	%	70	71	1.4	72	63	13.3	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 377093 (ug/L), QC Sample No: BX72179 (BX72179, BX72180, BX72181)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	102	78	26.7				40 - 140	20	r
4,4' -DDE	ND	0.003	95	80	17.1				40 - 140	20	
4,4' -DDT	ND	0.003	99	87	12.9				40 - 140	20	
a-BHC	ND	0.002	93	74	22.8				40 - 140	20	r
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20	
Aldrin	ND	0.002	87	70	21.7				40 - 140	20	r
b-BHC	ND	0.002	97	81	18.0				40 - 140	20	
Chlordane	ND	0.050	91	72	23.3				40 - 140	20	r

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
d-BHC	ND	0.005	93	66	34.0				40 - 140	20	r
Dieldrin	ND	0.002	102	82	21.7				40 - 140	20	r
Endosulfan I	ND	0.005	109	88	21.3				40 - 140	20	r
Endosulfan II	ND	0.005	102	89	13.6				40 - 140	20	
Endosulfan sulfate	ND	0.005	96	77	22.0				40 - 140	20	r
Endrin	ND	0.005	107	84	24.1				40 - 140	20	r
Endrin aldehyde	ND	0.005	94	84	11.2				40 - 140	20	
Endrin ketone	ND	0.005	87	75	14.8				40 - 140	20	
g-BHC	ND	0.002	92	74	21.7				40 - 140	20	r
Heptachlor	ND	0.005	95	79	18.4				40 - 140	20	
Heptachlor epoxide	ND	0.005	98	81	19.0				40 - 140	20	
Methoxychlor	ND	0.005	100	84	17.4				40 - 140	20	
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20	
% DCBP	77	%	81	68	17.4				30 - 150	20	
% TCMX	82	%	83	63	27.4				30 - 150	20	r

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 377054 (mg/L), QC Sample No: BX72179 (BX72179, BX72180, BX72181)

TPH by GC (Extractable Products) - Ground Water

Ext. Petroleum H.C.	ND	0.10	63	63	0.0				60 - 120	30	
% n-Pentacosane	68	%	80	81	1.2				50 - 150	20	

Comment:

Additional criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%.

QA/QC Batch 377177 (ug/L), QC Sample No: BX72265 (BX72179, BX72180, BX72181, BX72301)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	96	95	1.0				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	90	93	3.3				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	93	86	7.8				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	88	84	4.7				70 - 130	30	
1,1-Dichloroethane	ND	1.0	91	92	1.1				70 - 130	30	
1,1-Dichloroethene	ND	1.0	87	93	6.7				70 - 130	30	
1,1-Dichloropropene	ND	1.0	90	93	3.3				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	94	88	6.6				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	89	89	0.0				70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	93	90	3.3				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	91	92	1.1				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	95	86	9.9				70 - 130	30	
1,2-Dibromoethane	ND	1.0	91	87	4.5				70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	92	90	2.2				70 - 130	30	
1,2-Dichloroethane	ND	1.0	89	86	3.4				70 - 130	30	
1,2-Dichloropropane	ND	1.0	91	90	1.1				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	95	96	1.0				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	94	94	0.0				70 - 130	30	
1,3-Dichloropropane	ND	1.0	90	88	2.2				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	93	93	0.0				70 - 130	30	
2,2-Dichloropropane	ND	1.0	98	103	5.0				70 - 130	30	
2-Chlorotoluene	ND	1.0	96	96	0.0				70 - 130	30	
2-Hexanone	ND	5.0	78	73	6.6				70 - 130	30	
2-Isopropyltoluene	ND	1.0	96	97	1.0				70 - 130	30	
4-Chlorotoluene	ND	1.0	93	94	1.1				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	80	73	9.2				70 - 130	30	

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acetone	ND	5.0	73	70	4.2				70 - 130	30
Acrylonitrile	ND	5.0	85	79	7.3				70 - 130	30
Benzene	ND	0.70	90	90	0.0				70 - 130	30
Bromobenzene	ND	1.0	92	91	1.1				70 - 130	30
Bromochloromethane	ND	1.0	91	88	3.4				70 - 130	30
Bromodichloromethane	ND	0.50	94	92	2.2				70 - 130	30
Bromoform	ND	1.0	99	94	5.2				70 - 130	30
Bromomethane	ND	1.0	94	100	6.2				70 - 130	30
Carbon Disulfide	ND	1.0	88	94	6.6				70 - 130	30
Carbon tetrachloride	ND	1.0	93	98	5.2				70 - 130	30
Chlorobenzene	ND	1.0	93	94	1.1				70 - 130	30
Chloroethane	ND	1.0	84	87	3.5				70 - 130	30
Chloroform	ND	1.0	90	90	0.0				70 - 130	30
Chloromethane	ND	1.0	84	85	1.2				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	92	94	2.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	92	91	1.1				70 - 130	30
Dibromochloromethane	ND	0.50	99	94	5.2				70 - 130	30
Dibromomethane	ND	1.0	89	85	4.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	85	93	9.0				70 - 130	30
Ethylbenzene	ND	1.0	94	95	1.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	98	104	5.9				70 - 130	30
Isopropylbenzene	ND	1.0	96	98	2.1				70 - 130	30
m&p-Xylene	ND	1.0	95	98	3.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	86	78	9.8				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	86	5.6				70 - 130	30
Methylene chloride	ND	1.0	88	88	0.0				70 - 130	30
Naphthalene	ND	1.0	93	85	9.0				70 - 130	30
n-Butylbenzene	ND	1.0	97	102	5.0				70 - 130	30
n-Propylbenzene	ND	1.0	93	95	2.1				70 - 130	30
o-Xylene	ND	1.0	93	93	0.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	94	98	4.2				70 - 130	30
sec-Butylbenzene	ND	1.0	100	103	3.0				70 - 130	30
Styrene	ND	1.0	94	95	1.1				70 - 130	30
tert-Butylbenzene	ND	1.0	95	97	2.1				70 - 130	30
Tetrachloroethene	ND	1.0	93	96	3.2				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	84	78	7.4				70 - 130	30
Toluene	ND	1.0	90	91	1.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	93	95	2.1				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	91	88	3.4				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	95	87	8.8				70 - 130	30
Trichloroethene	ND	1.0	95	98	3.1				70 - 130	30
Trichlorofluoromethane	ND	1.0	81	89	9.4				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	86	96	11.0				70 - 130	30
Vinyl chloride	ND	1.0	83	88	5.8				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0				70 - 130	30
% Bromofluorobenzene	97	%	99	99	0.0				70 - 130	30
% Dibromofluoromethane	96	%	100	98	2.0				70 - 130	30
% Toluene-d8	100	%	100	99	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 377056 (ug/Kg), QC Sample No: BX72669 2X (BX72177)											
Pesticides - Soil											
4,4' -DDD	ND	2.0	96			87	93	6.7	40 - 140	30	
4,4' -DDE	ND	1.7	89			81	86	6.0	40 - 140	30	
4,4' -DDT	ND	1.7	93			85	92	7.9	40 - 140	30	
a-BHC	ND	1.0	102			86	92	6.7	40 - 140	30	
Alachlor	ND	3.3	NA			NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	93			79	80	1.3	40 - 140	30	
b-BHC	ND	1.0	87			93	98	5.2	40 - 140	30	
Chlordane	ND	33	86			73	66	10.1	40 - 140	30	
d-BHC	ND	3.3	90			92	100	8.3	40 - 140	30	
Dieldrin	ND	1.0	95			87	92	5.6	40 - 140	30	
Endosulfan I	ND	3.3	101			91	94	3.2	40 - 140	30	
Endosulfan II	ND	3.3	95			87	92	5.6	40 - 140	30	
Endosulfan sulfate	ND	3.3	93			80	85	6.1	40 - 140	30	
Endrin	ND	3.3	108			99	105	5.9	40 - 140	30	
Endrin aldehyde	ND	3.3	75			72	73	1.4	40 - 140	30	
Endrin ketone	ND	3.3	91			80	84	4.9	40 - 140	30	
g-BHC	ND	1.0	93			81	86	6.0	40 - 140	30	
Heptachlor	ND	3.3	98			86	92	6.7	40 - 140	30	
Heptachlor epoxide	ND	3.3	93			85	90	5.7	40 - 140	30	
Methoxychlor	ND	3.3	92			84	89	5.8	40 - 140	30	
Toxaphene	ND	130	NA			NA	NA	NC	40 - 140	30	
% DCBP	82	%	80			70	75	6.9	30 - 150	30	
% TCMX	88	%	90			78	83	6.2	30 - 150	30	

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

QA/QC Batch 377363 (ug/kg), QC Sample No: BX72887 (BX72167 (50X) , BX72178, BX72182 (50X))											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	5.0	96	96	0.0	87			70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	94	94	0.0	90			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	94	96	2.1	85			70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	91	91	0.0	80			70 - 130	30	
1,1-Dichloroethane	ND	5.0	94	95	1.1	90			70 - 130	30	
1,1-Dichloroethene	ND	5.0	81	81	0.0	73			70 - 130	30	
1,1-Dichloropropene	ND	5.0	99	99	0.0	88			70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	105	102	2.9	60			70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	94	96	2.1	85			70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	106	102	3.8	60			70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	100	99	1.0	87			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	95	100	5.1	77			70 - 130	30	
1,2-Dibromoethane	ND	5.0	95	97	2.1	81			70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	92	92	0.0	70			70 - 130	30	
1,2-Dichloroethane	ND	5.0	99	99	0.0	87			70 - 130	30	
1,2-Dichloropropane	ND	5.0	100	98	2.0	90			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	100	97	3.0	90			70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	92	92	0.0	70			70 - 130	30	
1,3-Dichloropropane	ND	5.0	95	98	3.1	84			70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	91	91	0.0	67			70 - 130	30	m
2,2-Dichloropropane	ND	5.0	103	103	0.0	93			70 - 130	30	
2-Chlorotoluene	ND	5.0	93	92	1.1	81			70 - 130	30	

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Hexanone	ND	25	90	93	3.3	73			70 - 130	30	
2-Isopropyltoluene	ND	5.0	97	97	0.0	89			70 - 130	30	
4-Chlorotoluene	ND	5.0	91	91	0.0	74			70 - 130	30	
4-Methyl-2-pentanone	ND	25	93	95	2.1	80			70 - 130	30	
Acetone	ND	10	46	50	8.3	46			70 - 130	30	l,m
Acrylonitrile	ND	5.0	91	95	4.3	82			70 - 130	30	
Benzene	ND	1.0	94	93	1.1	86			70 - 130	30	
Bromobenzene	ND	5.0	91	90	1.1	76			70 - 130	30	
Bromochloromethane	ND	5.0	90	90	0.0	80			70 - 130	30	
Bromodichloromethane	ND	5.0	98	100	2.0	87			70 - 130	30	
Bromoform	ND	5.0	98	101	3.0	76			70 - 130	30	
Bromomethane	ND	5.0	65	64	1.6	58			70 - 130	30	l,m
Carbon Disulfide	ND	5.0	81	83	2.4	69			70 - 130	30	m
Carbon tetrachloride	ND	5.0	95	95	0.0	88			70 - 130	30	
Chlorobenzene	ND	5.0	92	92	0.0	77			70 - 130	30	
Chloroethane	ND	5.0	69	68	1.5	64			70 - 130	30	l,m
Chloroform	ND	5.0	93	92	1.1	88			70 - 130	30	
Chloromethane	ND	5.0	85	84	1.2	84			70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	91	91	0.0	82			70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	102	103	1.0	84			70 - 130	30	
Dibromochloromethane	ND	3.0	101	102	1.0	83			70 - 130	30	
Dibromomethane	ND	5.0	93	93	0.0	79			70 - 130	30	
Dichlorodifluoromethane	ND	5.0	99	97	2.0	91			70 - 130	30	
Ethylbenzene	ND	1.0	93	94	1.1	83			70 - 130	30	
Hexachlorobutadiene	ND	5.0	99	99	0.0	70			70 - 130	30	
Isopropylbenzene	ND	1.0	96	95	1.0	92			70 - 130	30	
m&p-Xylene	ND	2.0	93	93	0.0	81			70 - 130	30	
Methyl ethyl ketone	ND	5.0	82	86	4.8	72			70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	83	84	1.2	76			70 - 130	30	
Methylene chloride	ND	5.0	76	76	0.0	71			70 - 130	30	
Naphthalene	ND	5.0	109	109	0.0	70			70 - 130	30	
n-Butylbenzene	ND	1.0	101	101	0.0	80			70 - 130	30	
n-Propylbenzene	ND	1.0	91	90	1.1	82			70 - 130	30	
o-Xylene	ND	2.0	95	95	0.0	85			70 - 130	30	
p-Isopropyltoluene	ND	1.0	98	98	0.0	87			70 - 130	30	
sec-Butylbenzene	ND	1.0	101	100	1.0	90			70 - 130	30	
Styrene	ND	5.0	95	96	1.0	76			70 - 130	30	
tert-Butylbenzene	ND	1.0	96	95	1.0	91			70 - 130	30	
Tetrachloroethene	ND	5.0	97	96	1.0	84			70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	93	98	5.2	86			70 - 130	30	
Toluene	ND	1.0	95	94	1.1	83			70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	80	82	2.5	71			70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	103	103	0.0	79			70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	101	103	2.0	73			70 - 130	30	
Trichloroethene	ND	5.0	91	93	2.2	83			70 - 130	30	
Trichlorofluoromethane	ND	5.0	72	73	1.4	66			70 - 130	30	m
Trichlorotrifluoroethane	ND	5.0	81	83	2.4	75			70 - 130	30	
Vinyl chloride	ND	5.0	76	78	2.6	71			70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	98			70 - 130	30	
% Bromofluorobenzene	100	%	104	104	0.0	102			70 - 130	30	
% Dibromofluoromethane	99	%	100	102	2.0	101			70 - 130	30	
% Toluene-d8	102	%	104	104	0.0	103			70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Comment:											
The MSD is not reported for this batch.											
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.											
QA/QC Batch 377372 (ug/kg), QC Sample No: BX74574 (BX72167, BX72169 (50X))											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	5.0	90	92	2.2	87	92	5.6	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	88	92	4.4	88	93	5.5	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	89	89	0.0	83	89	7.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	91	93	2.2	90	96	6.5	70 - 130	30	
1,1-Dichloroethene	ND	5.0	79	79	0.0	69	71	2.9	70 - 130	30	m
1,1-Dichloropropene	ND	5.0	92	94	2.2	89	97	8.6	70 - 130	30	
1,2-Dibromoethane	ND	5.0	92	93	1.1	86	93	7.8	70 - 130	30	
1,2-Dichloroethane	ND	5.0	95	97	2.1	91	98	7.4	70 - 130	30	
1,2-Dichloropropane	ND	5.0	95	97	2.1	90	97	7.5	70 - 130	30	
1,3-Dichloropropane	ND	5.0	93	94	1.1	88	95	7.7	70 - 130	30	
2,2-Dichloropropane	ND	5.0	97	99	2.0	89	96	7.6	70 - 130	30	
2-Hexanone	ND	25	91	89	2.2	80	84	4.9	70 - 130	30	
4-Methyl-2-pentanone	ND	25	93	91	2.2	80	87	8.4	70 - 130	30	
Acetone	ND	10	48	47	2.1	48	56	15.4	70 - 130	30	l,m
Acrylonitrile	ND	5.0	94	93	1.1	82	91	10.4	70 - 130	30	
Benzene	ND	1.0	88	91	3.4	85	93	9.0	70 - 130	30	
Bromochloromethane	ND	5.0	88	88	0.0	81	89	9.4	70 - 130	30	
Bromodichloromethane	ND	5.0	96	97	1.0	88	94	6.6	70 - 130	30	
Bromoform	ND	5.0	93	93	0.0	81	88	8.3	70 - 130	30	
Bromomethane	ND	5.0	61	62	1.6	39	43	9.8	70 - 130	30	l,m
Carbon Disulfide	ND	5.0	78	79	1.3	66	71	7.3	70 - 130	30	m
Carbon tetrachloride	ND	5.0	90	93	3.3	83	90	8.1	70 - 130	30	
Chlorobenzene	ND	5.0	85	87	2.3	85	91	6.8	70 - 130	30	
Chloroethane	ND	5.0	66	67	1.5	21	23	9.1	70 - 130	30	l,m
Chloroform	ND	5.0	89	91	2.2	87	93	6.7	70 - 130	30	
Chloromethane	ND	5.0	81	81	0.0	77	83	7.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	88	90	2.2	84	90	6.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	97	98	1.0	87	95	8.8	70 - 130	30	
Dibromochloromethane	ND	3.0	96	98	2.1	86	95	9.9	70 - 130	30	
Dibromomethane	ND	5.0	89	92	3.3	83	89	7.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	84	85	1.2	78	85	8.6	70 - 130	30	
Ethylbenzene	ND	1.0	87	89	2.3	85	93	9.0	70 - 130	30	
m&p-Xylene	ND	2.0	86	88	2.3	86	91	5.6	70 - 130	30	
Methyl ethyl ketone	ND	5.0	81	82	1.2	71	77	8.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	84	83	1.2	82	85	3.6	70 - 130	30	
Methylene chloride	ND	5.0	74	75	1.3	75	79	5.2	70 - 130	30	
o-Xylene	ND	2.0	89	90	1.1	89	94	5.5	70 - 130	30	
Styrene	ND	5.0	89	90	1.1	88	94	6.6	70 - 130	30	
Tetrachloroethene	ND	5.0	88	91	3.4	87	94	7.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	97	94	3.1	85	89	4.6	70 - 130	30	
Toluene	ND	1.0	89	92	3.3	86	94	8.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	79	79	0.0	81	84	3.6	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	96	98	2.1	85	93	9.0	70 - 130	30	
Trichloroethene	ND	5.0	86	90	4.5	84	91	8.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	69	70	1.4	20	21	4.9	70 - 130	30	l,m
Trichlorotrifluoroethane	ND	5.0	79	79	0.0	71	75	5.5	70 - 130	30	
Vinyl chloride	ND	5.0	73	74	1.4	69	76	9.7	70 - 130	30	m

QA/QC Data

SDG I.D.: GBX72161

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Dibromofluoromethane	98	%		103	103	0.0	98	95	3.1	70 - 130	30
% Toluene-d8	103	%		104	104	0.0	102	102	0.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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
Intf - Interference

Phyllis Shiller, Laboratory Director
March 09, 2017

Thursday, March 09, 2017

Criteria: CT: GBM, RC

State: CT

Sample Criteria Exceedances Report

GBX72161 - BLCOMP-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX72161	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.215	0.010	0.15	0.15	mg/L
BX72167	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.371	0.010	0.15	0.15	mg/L
BX72168	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1500	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1400	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1200	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1200	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1500	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1400	250	1000	1000	ug/Kg
BX72168	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1200	250	1000	1000	ug/Kg
BX72168	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.355	0.010	0.15	0.15	mg/L
BX72173	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	4500	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	2300	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	3400	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	2900	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	4500	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	2300	260	1000	1000	ug/Kg
BX72173	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	3400	260	1000	1000	ug/Kg
BX72175	$PCB_SMR	PCB-1268	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1300	410	1000	1000	ug/Kg
BX72176	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1500	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1400	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1500	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1400	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1500	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1400	300	1000	1000	ug/Kg
BX72176	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1500	300	1000	1000	ug/Kg
BX72176	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	677	4.6	400	400	mg/Kg
BX72176	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.729	0.010	0.15	0.15	mg/L

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:*** BL Companies, Inc.

Project Location: 14EC0056 ***Project Number:***

Laboratory Sample ID(s): BX72161-BX72182, BX72301 ***Sampling Date(s):*** 2/21/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 7470/7471, 8081, 8082, 8260, 8270, ETPH

1	**For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☑ Yes ☐ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ICP Narration, PEST Narration, SVOA Narration, SVOASIM Narration, VOA Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ Yes ☐ No
6	**For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?**	☐ Yes ☑ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Thursday, March 09, 2017

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

Environmental Laboratories, Inc.
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RCP Certification Report

March 09, 2017

SDG I.D.: GBX72161

SDG Comments

Metals Analysis (Soil samples):
The client requested a shorter list of elements than the 6010 RCP list. Only the RCRA 8 Metals are reported as requested on the chain of custody.

Metals Analysis (Aqueous samples):
The client requested a shorter list of elements than the 6010 RCP list. Only Copper, Lead, and Zinc are reported as requested on the chain of custody.

Cyanide Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

LACHAT 02/23/17-1 Dustin Harrison, Greg Danielewski, Chemist 02/23/17

BX72161, BX72163, BX72165, BX72167, BX72168, BX72170, BX72171, BX72172, BX72173, BX72175, BX72176

The samples were distilled in accordance with the method.
The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequencey of one per ten samples.
The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

QC (Batch Specific):

Batch 377148 (BX72163)

BX72161, BX72163, BX72165, BX72167, BX72168, BX72170, BX72171, BX72172, BX72173, BX72175, BX72176

All LCS recoveries were within 80 - 120 with the following exceptions: None.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-FID1 02/23/17-1 Jeff Bucko, Chemist 02/23/17

BX72161

The initial calibration (ETPH217I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID1 02/24/17-1 Jeff Bucko, Chemist 02/24/17

BX72167

The initial calibration (ETPH217I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AUFID-D1 02/22/17-1 Jeff Bucko, Chemist 02/22/17

BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

The initial calibration (ETPH130I) RSD for the compound list was less than 30% except for the following compounds: None.

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March 09, 2017

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ETPH Narration

The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AUFID-D1 02/23/17-1 Jeff Bucko, Chemist 02/23/17

BX72162, BX72163

The initial calibration (ETPH130I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL1 02/23/17-1 Jeff Bucko, Chemist 02/23/17

BX72179, BX72180, BX72181

The initial calibration (ETPH216I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL2 02/22/17-1 Jeff Bucko, Chemist 02/22/17

BX72164, BX72165, BX72166

The initial calibration (ETPH202I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 377054 (BX72179)

BX72179, BX72180, BX72181

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 377058 (BX71975)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168

All LCS recoveries were within 60 - 120 with the following exceptions: None.

QC (Site Specific):

Batch 377059 (BX72177)

BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 60 - 120 with the following exceptions: None.
All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 50 - 150 with the following exceptions: None.
All MSD recoveries were within 50 - 150 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 02/23/17 08:35 Rick Schweitzer, Chemist 02/23/17

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

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Mercury Narration

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 377153 (BX72517)

BX72177

All LCS recoveries were within 70 - 130 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

Batch 377155 (BX72854)

BX72161, BX72162

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QC (Site Specific):

Batch 377152 (BX72161)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

Batch 377156 (BX72164)

BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

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Certification Report

March 09, 2017

SDG I.D.: GBX72161

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 377227 (Samples: BX72161, BX72162, BX72163, BX72164): -----

The Sample/Duplicate RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Chromium)

Instrument:

ARCOS 02/23/17 09:46 Laura Kinnin, Mike Arsenault, Tina Hall, Chemist 02/23/17

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 02/24/17 05:27 Laura Kinnin, Tina Hall, Chemist 02/24/17

BX72161, BX72162, BX72163, BX72164, BX72174

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 02/27/17 06:43 Laura Kinnin, Tina Hall, Chemist 02/27/17

BX72164

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

BLUE 02/23/17 05:27 Laura Kinnin, Mike Arsenault, Chemist 02/23/17

BX72179, BX72180, BX72181

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 377095 (BX72096)

BX72179, BX72180, BX72181

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 377101 (BX70999)

BX72175, BX72176, BX72177

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Certification Report

March 09, 2017

SDG I.D.: GBX72161

ICP Metals Narration

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 377102 (BX72297)

BX72172, BX72173, BX72174

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 377117 (BX72259)

BX72179, BX72180, BX72181

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Batch 377227 (BX71967)

BX72161, BX72162, BX72163, BX72164

All LCS recoveries were within 75 - 125 with the following exceptions: None.

QC (Site Specific):

Batch 377125 (BX72167)

BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.

Batch 377159 (BX72161)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD1 02/23/17-1 Adam Werner, Chemist 02/23/17

BX72177, BX72179, BX72180, BX72181

The initial calibration (PC203AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC203BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD24 02/23/17-1 Adam Werner, Chemist 02/23/17

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72176

The initial calibration (PC221AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC221BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD3 02/24/17-1 Adam Werner, Chemist 02/24/17

BX72175

The initial calibration (PC207AI) RSD for the compound list was less than 20% except for the following compounds: None.

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March 09, 2017

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PCB Narration

The initial calibration (PC207BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 376969 (BX71443)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 376991 (BX71853)

BX72179, BX72180, BX72181

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Site Specific):

Batch 377057 (BX72173)

BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 377093 (Samples: BX72179, BX72180, BX72181): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (4,4'' -DDD, a-BHC, Aldrin, Chlordane, d-BHC, Dieldrin, Endosulfan I, Endosulfan sulfate, Endrin, g-BHC)

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% TCMX)

Instrument:

AU-ECD10 02/23/17-1 Peter LaBarre, Chemist 02/23/17

BX72161, BX72162, BX72180, BX72181

The initial calibration (PS_217AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS_217BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

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NY # 11301

RCP Certification Report

March 09, 2017

SDG I.D.: GBX72161

PEST Narration

AU-ECD4 02/23/17-1 Carol Eddy, Chemist 02/23/17

BX72179

8081 Narration:
Endrin and DDT breakdown was evaluated and does not exceed 15%.

The initial calibration (PS215AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS215BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:None.

AU-ECD4 02/24/17-1 Carol Eddy, Chemist 02/24/17

BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

8081 Narration:
Endrin and DDT breakdown was evaluated and does not exceed 15%.

The initial calibration (PS215AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS215BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:
Samples: BX72163, BX72164, BX72165, BX72166, BX72175
Preceding CC 224B004 - % DCBP -24%L (20%)
Succeeding CC 224A031 - d-BHC -37%L (20%), g-BHC -27%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.
Samples: BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72176, BX72177
Preceding CC 224B031 - % DCBP -21%L (20%), Endrin 28%H (20%)
Succeeding CC 224A045 - d-BHC -37%L (20%), g-BHC -27%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

QC (Batch Specific):

Batch 376967 (BX71669)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

Batch 377056 (BX72669)

BX72177

All LCS recoveries were within 40 - 140 with the following exceptions: None.
Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

Batch 377093 (BX72179)

BX72179, BX72180, BX72181

All LCS recoveries were within 40 - 140 with the following exceptions: None.

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RCP Certification Report

March 09, 2017

SDG I.D.: GBX72161

PEST Narration

All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: % TCMX(27.4%), 4,4' -DDD(26.7%), a-BHC(22.8%), Aldrin(21.7%), Chlordane(23.3%), d-BHC(34.0%), Dieldrin(21.7%), Endosulfan I(21.3%), Endosulfan sulfate(22.0%), Endrin(24.1%), g-BHC(21.7%)
A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 377052 (Samples: BX72179, BX72180, BX72181): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Methylphenol (o-cresol), Acetophenone, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, N-Nitrosodimethylamine, Phenol)

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% 2-Fluorophenol, % Phenol-d5)

QC Batch 377053 (Samples: BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177): -----

One or more analytes is below the method criteria. A low bias for these analytes is possible. (4,6-Dinitro-2-methylphenol)

The MS/MSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Aniline, Benzoic Acid)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (2,4-Dinitrophenol, Benzidine, Benzoic Acid)

Instrument:

CHEM06 02/22/17-1 Damien Drobinski, Chemist 02/22/17

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration Verification (CHEM06/SV_0217):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol 26% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.078 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM06/0222_04-SV_0217):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
98% of target compounds met criteria.
The following compounds did not meet % deviation criteria: 2,4-Dinitrophenol 33%L (30%)

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RCP Certification Report

March 09, 2017

SDG I.D.: GBX72161

SVOA Narration

The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.055 (0.1), Hexachlorobenzene 0.072 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM19 02/24/17-1 Damien Drobinski, Chemist 02/24/17

BX72179, BX72180, BX72181

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration Verification (CHEM19/SV_0213):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.056 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM19/0224_02-SV_0213):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.054 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM29 02/23/17-1 Damien Drobinski, Chemist 02/23/17

BX72167

Initial Calibration Verification (CHEM29/SV_0213):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine 29% (20%)
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.085 (0.1), Hexachlorobenzene 0.099 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM29/0223_02-SV_0213):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
98% of target compounds met criteria.
The following compounds did not meet % deviation criteria: Pentachlorophenol 35%L (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.075 (0.1), Hexachlorobenzene 0.097 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 377052 (BX71853)

BX72179, BX72180, BX72181

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: % 2-Fluorophenol(23.3%), % Phenol-d5(21.8%), 1,2-

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March 09, 2017

SDG I.D.: GBX72161

SVOA Narration

Dichlorobenzene(23.9%), 1,3-Dichlorobenzene(21.8%), 2-Methylphenol (o-cresol)(20.7%), Acetophenone(20.6%), Bis(2-chloroethyl)ether(22.6%), Bis(2-chloroisopropyl)ether(20.7%), N-Nitrosodimethylamine(21.0%), Phenol(24.2%)

QC (Site Specific):

Batch 377053 (BX72177)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(26%), Benzidine(<10%), Benzoic Acid(<10%)
All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(26%), Benzidine(<10%), Benzoic Acid(<10%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 30 - 130 with the following exceptions: Benzidine(<10%), Benzoic Acid(19%)
All MSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(28%), Benzidine(<10%), Benzoic Acid(12%)
All MS/MSD RPDs were less than 30% with the following exceptions: Aniline(35.6%), Benzoic Acid(45.2%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 377052 (Samples: BX72179, BX72180, BX72181): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (Hexachloroethane)

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% 2-Fluorophenol, % Nitrobenzene-d5, % Phenol-d5)

Instrument:

CHEM04 02/24/17-1 Damien Drobinski, Chemist 02/24/17

BX72179, BX72180, BX72181

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

In the event that lower detection levels were requested, the samples may have been analyzed by selective ion monitoring (SIM) mode.

If PAH/base neutral were requested, Phoenix utilized a method that contained a shortened list , so some of the compounds in the narrative may be non-applicable.

Initial Calibration Verification (CHEM04/SIM_0222):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: None.

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March 09, 2017

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SVOASIM Narration

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM04/0224_03-SIM_0222):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 377052 (BX71853)

BX72179, BX72180, BX72181

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: % 2-Fluorophenol(23.7%), % Nitrobenzene-d5(22.6%), % Phenol-d5(22.2%), Hexachloroethane(20.6%)

QC (Site Specific):

Batch 377053 (BX72177)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72167, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(26%), Benzidine(<10%), Benzoic Acid(<10%)
All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 4,6-Dinitro-2-methylphenol(26%), Benzidine(<10%), Benzoic Acid(<10%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 30 - 130 with the following exceptions: Benzidine(<10%), Benzoic Acid(19%)
All MSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(28%), Benzidine(<10%), Benzoic Acid(12%)
All MS/MSD RPDs were less than 30% with the following exceptions: Aniline(35.6%), Benzoic Acid(45.2%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 377363 (Samples: BX72167, BX72178, BX72182): -----

The QC recoveries for one or more analytes are below method criteria. A low bias is possible. (Acetone, Bromomethane, Chloroethane)

QC Batch 377372 (Samples: BX72167, BX72169): -----

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (Acetone, Bromomethane, Chloroethane, Trichlorofluoromethane)

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VOA Narration

Instrument:

CHEM02 02/22/17-1 Michael Hahn, Chemist 02/22/17

BX72179, BX72180, BX72181, BX72301

Initial Calibration Verification (CHEM02/VT-P0222):
95% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,2-Dibromo-3-chloropropane 23% (20%), Bromoform 26% (20%), Bromomethane 24% (20%), trans-1,4-dichloro-2-butene 21% (20%)
The following compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.026 (0.05), 2-Hexanone 0.077 (0.1), 4-Methyl-2-pentanone 0.097 (0.1), Acetone 0.049 (0.1), Bromoform 0.075 (0.1), Methyl ethyl ketone 0.070 (0.1), Tetrahydrofuran (THF) 0.045 (0.05)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM02/0222P02-VT-P0222):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: 1,1,2,2-Tetrachloroethane 0.296 (0.3), 1,2-Dibromo-3-chloropropane 0.025 (0.05), Bromoform 0.078 (0.1), Tetrahydrofuran (THF) 0.040 (0.05)
The following compounds did not meet minimum response factors: None.

CHEM18 02/23/17-1 Jane Li, Chemist 02/23/17

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

Initial Calibration Verification (CHEM18/VT-M0208):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 23% (20%), Methyl Ethyl Ketone 21% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM18/0223M02-VT-M0208):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM26 02/23/17-1 Jane Li, Chemist 02/23/17

BX72167, BX72178, BX72182

Initial Calibration Verification (CHEM26/VT-0222):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 32% (20%), Chloroethane 22% (20%), Naphthalene 23% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM26/0223_02-VT-0222):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.

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March 09, 2017

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VOA Narration

The following compounds did not meet % deviation criteria: Acetone 35%L (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM26 02/23/17-2 Jane Li, Chemist 02/23/17

BX72167, BX72169

Initial Calibration Verification (CHEM26/VT-0222):
96% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 32% (20%), Chloroethane 22% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM26/0223_37-VT-0222):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
98% of target compounds met criteria.
The following compounds did not meet % deviation criteria: Acetone 34%L (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 377177 (BX72265)

BX72179, BX72180, BX72181, BX72301

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 377356 (BX72161)

BX72161, BX72162, BX72163, BX72164, BX72165, BX72166, BX72168, BX72169, BX72170, BX72171, BX72172, BX72173, BX72174, BX72175, BX72176, BX72177

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
The MS/MSD are not reported for this batch.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 377363 (BX72887)

BX72167, BX72178, BX72182

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(46%), Bromomethane(65%), Chloroethane(69%)
All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(50%), Bromomethane(64%), Chloroethane(68%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
The MSD is not reported for this batch.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 377372 (BX74574)

BX72167, BX72169

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March 09, 2017

SDG I.D.: GBX72161

VOA Narration

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(48%), Bromomethane(61%), Chloroethane(66%), Trichlorofluoromethane(69%)
All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(47%), Bromomethane(62%), Chloroethane(67%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Temperature Narration

The samples were received at 3C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐
Temp 3 °C Pg 1 of 2

CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email: JKloss@blcompanies.com

Customer: BL Companies
Address: 355 Research Pkwy
Meriden, CT, 06450
203-630-1406

Project: 14EC0056
Report to: Joy Kloss
Invoice to: Same
Phone #: 203-630-1406
Fax #:

Project P.O: 175966

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Wesley Johnson Date: 2/21/17

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	ETPH	PCBs	Pesticides	Total RCRA 8 Metals (CLP)	Leachable RCRA 8 Metals (GC/LR)	Ignitability, Reactivity, PH	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz (2) (4) oz (1)	40 ml VOA Vial [ ] As is [ ] H2SO4	GL Amber 1000ml [ ] As is [ ] HCl	PL As is [ ]250ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
72161	Sb-1 2-4'	S	2/21/17	930	x	x	x	x	x	x	x	x					x	x								
72162	Sb-1 7-9'			930	x	x	x	x	x	x	x						x	x								
72163	Sb-2 1-3'			850	x	x	x	x	x	x	x	x					x	x								
72164	Sb-2 13-15			910	x	x	x	x	x	x	x						x	x								
72165	Sb-3 1-3'			1200	x	x	x	x	x	x	x	x					x	x								
72166	Sb-3 6-8'			1215	x	x	x	x	x	x	x						x	x								
72167	Sb-4 0-5'			1000	x	x	x	x	x	x	x	x					x	x								
72168	Sb-5 3-5'			1045	x	x	x	x	x	x	x	x					x	x								
72169	Sb-5 6-8'			1100	x	x	x	x	x	x	x						x	x								
72170	Sb-6 0-2'			1340	x	x	x	x	x	x	x	x					x	x								
72171	Sb-7 0-2'			1315	x	x	x	x	x	x	x	x					x	x								
72172	Sb-8 0-2'	↓	↓	1300	x	x	x	x	x	x	x	x					x	x								

Relinquished by:	Accepted by:	Date:	Time:
Wesley Johnson	BL fridge	2/21/17	1930
Wesley Johnson		2/22/17	8:40
	TFD	2/22/17	11:42

Comments, Special Requirements or Regulations:

DASContract / No Tax / ISP form

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☑ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☑ GB Mobility
☑ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp 3 °C Pg 2 of 2

ster, CT 06040
Fax (860) 645-0823
...ient Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email: JKloss@blcompanies.com

...Research Pkwy
Meriden, CT, 06450
203-630-1406

Project: 14EC0056
Report to: Joy Kloss
Invoice to: Same
Phone #: 203-630-1406
Fax #:

Project P.O: 175966

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Wesley Johnson Date: 2/21/17

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	ETPH	PCBs	Pesticides	Total RCRA 8 Metals	Leachable RCRA 8 Metals (TCLP)	Ignitability, Reactivity, PH	Total and dissolved Pb, Cd, Zn	Soil VOA Vials [1] methanol [2] H2O	GL Soil container (8) oz (4) oz	40 ml VOA Vial [ ] As is [3] HCl	GL Amber 1000ml [5] As is [ ] H2SO4	PL As is [1] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [1] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (w/thio)
72173	Sb-9 2-4'	S	2/21/17	1115	X	X	X	X	X	X	X	X				X	X							
72174	Sb-9 10-12	S		1130								X				X	X							
72175	Sb-10 0-2'	S		1410								X				X	X							
72176	Sb-11 0-2	S		1430								X				X	X							
72177	DUP	S	↓	—		↓	↓	↓	↓	↓	↓					X	X							
72178	Trip Blank																							
72179	Sb-9/GW	GW	2/21/17	1545		X	X	X	X				X					X	X	X	X				
72180	DUP	GW	2/21/17	—		X	X	X	X				X					X	X	X	X				
72181	Field Blank	DI	2/21/17	1600	↓	X	X	X	X				X					X	X	X	X				
72182	Trip Blank HL																							
*72301	TB-GW																							

Relinquished by:	Accepted by:	Date:	Time:
Wesley Johnson	BL Fridge	2/21/17	1930
Wesley Johnson		2/22/17	8:40
	TFEDX	2/22/17	9:42

Comments, Special Requirements or Regulations:
DAS contract / No Tax / ISP Form
*rcvd GW TB (CP)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☑ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☑ GB Mobility
☑ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	9:55
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79484

Project ID: 14EC0056
Client ID: SB-6 (5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	3.92	0.80	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	53.8	0.40	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	0.49	0.40	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	23.3	0.40	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	2.27	0.40	mg/Kg	1	03/04/17	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	0.47	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	0.001	J 0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	0.003	J 0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	0.004	J 0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	77		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056
Client ID: SB-6 (5-7)

Phoenix I.D.: BX79484

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	64	mg/Kg	1	03/06/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	03/06/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	85		%	1	03/06/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	430	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	49		%	10	03/07/17	AW	30 - 150 %
% TCMX	44		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	4.3	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	43	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	4.3	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.7	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	8.5	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	43	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	170	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	39		%	2	03/07/17	CE	30 - 150 %
% TCMX	33		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-6 (5-7)

Phoenix I.D.: BX79484

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
2-Chlorotoluene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	03/03/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
4-Chlorotoluene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	03/03/17	JLI	SW8260C
Acetone	ND	290	ug/Kg	1	03/03/17	JLI	SW8260C
Acrylonitrile	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Benzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Bromobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Bromochloromethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Bromodichloromethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Bromoform	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Bromomethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon Disulfide	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon tetrachloride	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Chlorobenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroform	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Chloromethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromomethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Ethylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/03/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	03/03/17	JLI	SW8260C
Naphthalene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
n-Butylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
n-Propylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
o-Xylene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
sec-Butylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Styrene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
tert-Butylbenzene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/03/17	JLI	SW8260C
Toluene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Total Xylenes	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/03/17	JLI	SW8260C
Trichloroethene	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/Kg	1	03/03/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/03/17	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	03/03/17	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	03/03/17	JLI	70 - 130 %
% Toluene-d8	97		%	1	03/03/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	430	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-6 (5-7)

Phoenix I.D.: BX79484

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	690	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	860	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	300	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	ND	300	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-6 (5-7)

Phoenix I.D.: BX79484

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	430	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	52		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	44		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	43		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	51		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	64		%	1	03/05/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

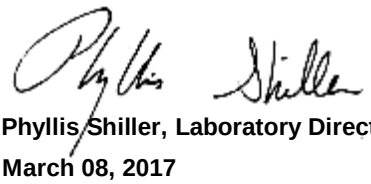
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
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Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	9:35
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79485

Project ID: 14EC0056
Client ID: SB-7/GW (5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.45	0.45	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	7.77	0.89	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	109	0.45	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	31.6	0.45	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	41.2	0.45	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	0.32	0.04	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	48.8	0.45	mg/Kg	1	03/04/17	LK	SW6010C	
Selenium	< 1.8	1.8	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	0.61	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	0.275	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	72		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

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Client ID: SB-7/GW (5-7)

Phoenix I.D.: BX79485

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	620	67	mg/Kg	1	03/06/17	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	03/06/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	60		%	1	03/06/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	450	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	48		%	10	03/07/17	AW	30 - 150 %
% TCMX	45		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	4.5	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	45	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	4.5	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.8	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	9.0	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	45	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	180	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	32		%	2	03/07/17	CE	30 - 150 %
% TCMX	33		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C

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Phoenix I.D.: BX79485

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	4.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
2-Chlorotoluene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
2-Hexanone	ND	34	ug/Kg	1	03/03/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
4-Chlorotoluene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	34	ug/Kg	1	03/03/17	JLI	SW8260C
Acetone	ND	340	ug/Kg	1	03/03/17	JLI	SW8260C
Acrylonitrile	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Benzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Bromobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Bromochloromethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Bromodichloromethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Bromoform	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Bromomethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon Disulfide	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon tetrachloride	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Chlorobenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroform	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Chloromethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromochloromethane	ND	4.0	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromomethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Ethylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Isopropylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
m&p-Xylene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	40	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	03/03/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	13	ug/Kg	1	03/03/17	JLI	SW8260C
Naphthalene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
n-Butylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
n-Propylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
o-Xylene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
sec-Butylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Styrene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
tert-Butylbenzene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrachloroethene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	03/03/17	JLI	SW8260C
Toluene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Total Xylenes	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	03/03/17	JLI	SW8260C
Trichloroethene	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
Vinyl chloride	ND	6.7	ug/Kg	1	03/03/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	94		%	1	03/03/17	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	03/03/17	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	03/03/17	JLI	70 - 130 %
% Toluene-d8	97		%	1	03/03/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	450	ug/Kg	1	03/05/17	DD	SW8270D

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Phoenix I.D.: BX79485

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	730	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	910	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056 Phoenix I.D.: BX79485

Client ID: SB-7/GW (5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	450	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	46		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	44		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	44		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	46		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	58		%	1	03/05/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

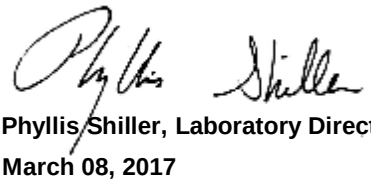
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	9:40
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79486

Project ID: 14EC0056
Client ID: SB-7/GW (10-12)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.50	0.50	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	2.63	0.99	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	60.4	0.50	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	< 0.50	0.50	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	21.4	0.50	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	1.95	0.50	mg/Kg	1	03/04/17	LK	SW6010C	
Selenium	< 2.0	2.0	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	0.03	0.01	mg/L	1	03/06/17	MA	SW6010C	B*
TCLP Barium	0.44	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	< 0.005	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	69		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056 Phoenix I.D.: BX79486

Client ID: SB-7/GW (10-12)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	140	72	mg/Kg	1	03/06/17	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	03/06/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	1	03/06/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	480	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	46		%	10	03/07/17	AW	30 - 150 %
% TCMX	41		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	4.8	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	48	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	4.8	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.9	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	9.6	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	48	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	190	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	60		%	2	03/07/17	CE	30 - 150 %
% TCMX	48		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-7/GW (10-12)

Phoenix I.D.: BX79486

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	440	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
2-Chlorotoluene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
2-Hexanone	ND	34	ug/Kg	1	03/04/17	JLI	SW8260C
2-Isopropyltoluene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
4-Chlorotoluene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	34	ug/Kg	1	03/04/17	JLI	SW8260C
Acetone	ND	340	ug/Kg	1	03/04/17	JLI	SW8260C
Acrylonitrile	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Benzene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Bromobenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
Bromochloromethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Bromodichloromethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Bromoform	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Bromomethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon Disulfide	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon tetrachloride	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Chlorobenzene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroform	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Chloromethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromochloromethane	ND	4.1	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromomethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Ethylbenzene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Hexachlorobutadiene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
Isopropylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
m&p-Xylene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	41	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	1	03/04/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	14	ug/Kg	1	03/04/17	JLI	SW8260C
Naphthalene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
n-Butylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
n-Propylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
o-Xylene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
p-Isopropyltoluene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
sec-Butylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
Styrene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
tert-Butylbenzene	ND	560	ug/Kg	50	03/04/17	JLI	SW8260C
Tetrachloroethene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	ug/Kg	1	03/04/17	JLI	SW8260C
Toluene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Total Xylenes	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1100	ug/Kg	50	03/04/17	JLI	SW8260C
Trichloroethene	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
Vinyl chloride	ND	6.8	ug/Kg	1	03/04/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	50	03/04/17	JLI	70 - 130 %
% Bromofluorobenzene	100		%	50	03/04/17	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/04/17	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/04/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	470	ug/Kg	1	03/05/17	DD	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	760	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	950	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	330	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	ND	330	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056 Phoenix I.D.: BX79486

Client ID: SB-7/GW (10-12)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	470	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	104		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	46		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	47		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	53		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	66		%	1	03/05/17	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

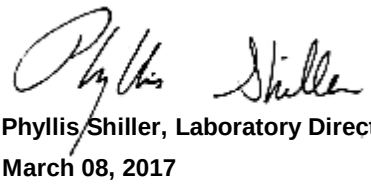
Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the metha preserved high level analysis which did not exhibit this interference.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standar order to meet criteria.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C12 to C24. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	9:15
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79487

Project ID: 14EC0056
Client ID: SB-8 (5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.54	0.54	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	8.9	1.1	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	110	0.54	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	7.56	0.54	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	201	0.54	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	0.42	0.04	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	1240	5.4	mg/Kg	10	03/06/17	LK	SW6010C	
Selenium	< 2.1	2.1	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	1.15	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	0.084	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	0.049	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	7.35	0.10	mg/L	10	03/08/17	MA	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	64		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056
Client ID: SB-8 (5-7)

Phoenix I.D.: BX79487

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	41000	3800	mg/Kg	50	03/08/17	JRB	CTETPH 8015D
Identification	**		mg/Kg	50	03/08/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	Diluted Out		%	50	03/08/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	520	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	49		%	10	03/07/17	AW	30 - 150 %
% TCMX	36		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
4,4' -DDE	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
4,4' -DDT	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
a-BHC	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Alachlor	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Aldrin	ND	5.2	ug/Kg	2	03/08/17	CE	SW8081B
b-BHC	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Chlordane	ND	52	ug/Kg	2	03/08/17	CE	SW8081B
d-BHC	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Dieldrin	ND	5.2	ug/Kg	2	03/08/17	CE	SW8081B
Endosulfan I	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Endosulfan II	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Endosulfan sulfate	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Endrin	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Endrin aldehyde	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Endrin ketone	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
g-BHC	ND	2.1	ug/Kg	2	03/08/17	CE	SW8081B
Heptachlor	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Heptachlor epoxide	ND	10	ug/Kg	2	03/08/17	CE	SW8081B
Methoxychlor	ND	52	ug/Kg	2	03/08/17	CE	SW8081B
Toxaphene	ND	210	ug/Kg	2	03/08/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	89		%	2	03/08/17	CE	30 - 150 %
% TCMX	70		%	2	03/08/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	200	ug/Kg	50	03/04/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-8 (5-7)

Phoenix I.D.: BX79487

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	160	ug/Kg	50	03/04/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,1-Dichloroethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,1-Dichloroethene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,1-Dichloropropene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	440	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromoethane	ND	80	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dichloroethane	ND	200	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dichloropropane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichloropropane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
2,2-Dichloropropane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
2-Chlorotoluene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
2-Hexanone	ND	4000	ug/Kg	50	03/04/17	JLI	SW8260C
2-Isopropyltoluene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
4-Chlorotoluene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	4000	ug/Kg	50	03/04/17	JLI	SW8260C
Acetone	ND	40000	ug/Kg	50	03/04/17	JLI	SW8260C
Acrylonitrile	ND	100	ug/Kg	50	03/04/17	JLI	SW8260C
Benzene	ND	200	ug/Kg	50	03/04/17	JLI	SW8260C
Bromobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Bromochloromethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Bromodichloromethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Bromoform	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Bromomethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Carbon Disulfide	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Carbon tetrachloride	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Chlorobenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Chloroethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Chloroform	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Chloromethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Dibromochloromethane	ND	160	ug/Kg	50	03/04/17	JLI	SW8260C
Dibromomethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Dichlorodifluoromethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Ethylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Hexachlorobutadiene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Isopropylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
m&p-Xylene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	4800	ug/Kg	50	03/04/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	1600	ug/Kg	50	03/04/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	1000	ug/Kg	50	03/04/17	JLI	SW8260C
Naphthalene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
n-Butylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
n-Propylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
o-Xylene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
p-Isopropyltoluene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
sec-Butylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Styrene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
tert-Butylbenzene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Tetrachloroethene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	1600	ug/Kg	50	03/04/17	JLI	SW8260C
Toluene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Total Xylenes	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1600	ug/Kg	50	03/04/17	JLI	SW8260C
Trichloroethene	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Trichlorofluoromethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	800	ug/Kg	50	03/04/17	JLI	SW8260C
Vinyl chloride	ND	320	ug/Kg	50	03/04/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	50	03/04/17	JLI	70 - 130 %
% Bromofluorobenzene	100		%	50	03/04/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	50	03/04/17	JLI	70 - 130 %
% Toluene-d8	99		%	50	03/04/17	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	4000	ug/Kg	20	03/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2-Chloronaphthalene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2-Chlorophenol	ND	7200	ug/Kg	20	03/07/17	DD	SW8270D
2-Methylnaphthalene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
2-Nitroaniline	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
2-Nitrophenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
3-Nitroaniline	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 (5-7)

Phoenix I.D.: BX79487

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
4-Chloroaniline	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
4-Nitroaniline	ND	17000	ug/Kg	20	03/07/17	DD	SW8270D
4-Nitrophenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Acenaphthene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Acenaphthylene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Acetophenone	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Aniline	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
Anthracene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Benz(a)anthracene	ND	3500	ug/Kg	20	03/07/17	DD	SW8270D
Benzidine	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Benzo(a)pyrene	ND	3400	ug/Kg	20	03/07/17	DD	SW8270D
Benzo(b)fluoranthene	ND	3500	ug/Kg	20	03/07/17	DD	SW8270D
Benzo(ghi)perylene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Benzo(k)fluoranthene	ND	3400	ug/Kg	20	03/07/17	DD	SW8270D
Benzoic acid	ND	21000	ug/Kg	20	03/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	2800	ug/Kg	20	03/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Carbazole	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
Chrysene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Dibenzofuran	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Diethyl phthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Dimethylphthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Di-n-butylphthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Di-n-octylphthalate	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Fluoranthene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Fluorene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Hexachlorobenzene	ND	3000	ug/Kg	20	03/07/17	DD	SW8270D
Hexachlorobutadiene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Hexachloroethane	ND	3100	ug/Kg	20	03/07/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Isophorone	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Naphthalene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Nitrobenzene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
N-Nitrosodimethylamine	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
Pentachloronitrobenzene	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
Pentachlorophenol	ND	3900	ug/Kg	20	03/07/17	DD	SW8270D
Phenanthrene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Phenol	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D
Pyrene	ND	7300	ug/Kg	20	03/07/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 (5-7)

Phoenix I.D.: BX79487

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	10000	ug/Kg	20	03/07/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	Diluted Out		%	20	03/07/17	DD	30 - 130 %
% 2-Fluorobiphenyl	Diluted Out		%	20	03/07/17	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	20	03/07/17	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	20	03/07/17	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	20	03/07/17	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	20	03/07/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
Poor IS recoveries were observed for low level volatiles due to dirt in the threads of the vial preventing the sample from purging. B low level vials had this problem, results are reported from the methanol high level.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standar order to meet criteria.

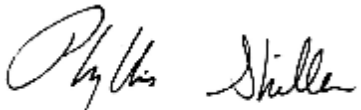
Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Semi-Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standar order to meet criteria.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C12 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	9:15
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79488

Project ID: 14EC0056
Client ID: SB-8 (10-12)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.43	0.43	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	3.39	0.86	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	66.7	0.43	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	0.46	0.43	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	26.4	0.43	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	0.03	0.03	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	2.66	0.43	mg/Kg	1	03/04/17	LK	SW6010C	
Selenium	< 1.7	1.7	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	0.48	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	< 0.005	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	0.036	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	72		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056
Client ID: SB-8 (10-12)

Phoenix I.D.: BX79488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	1500	680	mg/Kg	10	03/08/17	JRB	CTETPH 8015D
Identification	**		mg/Kg	10	03/08/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	Diluted Out		%	10	03/08/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	460	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	43		%	10	03/07/17	AW	30 - 150 %
% TCMX	36		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	4.6	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	46	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	4.6	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.8	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	9.2	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	46	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	180	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	44		%	2	03/07/17	CE	30 - 150 %
% TCMX	35		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-8 (10-12)

Phoenix I.D.: BX79488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	100	ug/Kg	50	03/04/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,2,4-Trimethylbenzene	130	100	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	440	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
2-Chlorotoluene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
2-Hexanone	ND	31	ug/Kg	1	03/05/17	JLI	SW8260C
2-Isopropyltoluene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
4-Chlorotoluene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	ug/Kg	1	03/05/17	JLI	SW8260C
Acetone	ND	310	ug/Kg	1	03/05/17	JLI	SW8260C
Acrylonitrile	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Benzene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Bromobenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
Bromochloromethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Bromodichloromethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Bromoform	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Bromomethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Carbon Disulfide	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Carbon tetrachloride	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Chlorobenzene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Chloroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Chloroform	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Chloromethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Dibromochloromethane	ND	3.7	ug/Kg	1	03/05/17	JLI	SW8260C
Dibromomethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Ethylbenzene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Hexachlorobutadiene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
Isopropylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
m&p-Xylene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	37	ug/Kg	1	03/05/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/05/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	03/05/17	JLI	SW8260C
Naphthalene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
n-Butylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
n-Propylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
o-Xylene	6.4	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
p-Isopropyltoluene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
sec-Butylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
Styrene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
tert-Butylbenzene	ND	460	ug/Kg	50	03/04/17	JLI	SW8260C
Tetrachloroethene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/05/17	JLI	SW8260C
Toluene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Total Xylenes	6.4	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	930	ug/Kg	50	03/04/17	JLI	SW8260C
Trichloroethene	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
Vinyl chloride	ND	6.1	ug/Kg	1	03/05/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	50	03/04/17	JLI	70 - 130 %
% Bromofluorobenzene	99		%	50	03/04/17	JLI	70 - 130 %
% Dibromofluoromethane	129		%	1	03/05/17	JLI	70 - 130 %
% Toluene-d8	80		%	1	03/05/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	460	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 (10-12)

Phoenix I.D.: BX79488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	740	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	920	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	2700	320	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	320	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	ND	320	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-8 (10-12)

Phoenix I.D.: BX79488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	460	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	59		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	65		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	61		%	1	03/05/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the metha preserved high level analysis which did not exhibit this interference.

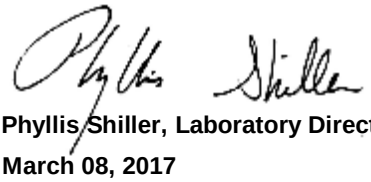
Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standar order to meet criteria.

Pesticide Comment:
Sample was evaluated against an external standard.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C10 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	10:15
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79489

Project ID: 14EC0056
Client ID: SB-10 (3-5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.42	0.42	mg/Kg	1	03/04/17	LK	SW6010C	
Arsenic	5.49	0.85	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	139	0.42	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	0.76	0.42	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	26.4	0.42	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	0.24	0.03	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	101	0.42	mg/Kg	1	03/04/17	LK	SW6010C	
Selenium	< 1.7	1.7	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	1.19	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	0.006	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	0.138	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	83		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056
Client ID: SB-10 (3-5)

Phoenix I.D.: BX79489

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	59	mg/Kg	1	03/06/17	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	03/06/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	75		%	1	03/06/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1221	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1232	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1242	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1248	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1254	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1260	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1262	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
PCB-1268	ND	390	ug/Kg	10	03/06/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	49		%	10	03/06/17	AW	30 - 150 %
% TCMX	46		%	10	03/06/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	3.9	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	39	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	39	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	40		%	2	03/07/17	CE	30 - 150 %
% TCMX	35		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-10 (3-5)

Phoenix I.D.: BX79489

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	03/04/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	03/04/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	03/04/17	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	03/04/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	03/04/17	JLI	70 - 130 %
% Bromofluorobenzene	85		%	1	03/04/17	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	03/04/17	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/04/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	400	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-10 (3-5)

Phoenix I.D.: BX79489

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	640	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	800	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	280	280	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	450	280	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	320	280	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	400	280	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-10 (3-5)

Phoenix I.D.: BX79489

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	400	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	56		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	60		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	61		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	62		%	1	03/05/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

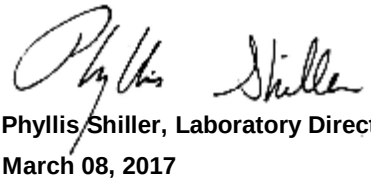
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	10:10
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79490

Project ID: 14EC0056
Client ID: SB-11 (3-5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	1.35	0.41	mg/Kg	1	03/04/17	MA	SW6010C	
Arsenic	8.21	0.82	mg/Kg	1	03/04/17	LK	SW6010C	
Barium	222	0.41	mg/Kg	1	03/04/17	LK	SW6010C	
Cadmium	2.82	0.41	mg/Kg	1	03/04/17	LK	SW6010C	
Chromium	26.4	0.41	mg/Kg	1	03/04/17	LK	SW6010C	
Mercury	1.37	0.03	mg/Kg	1	03/06/17	RS	SW7471B	
Lead	582	4.1	mg/Kg	10	03/06/17	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	03/04/17	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	B
TCLP Barium	0.11	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Cadmium	< 0.005	0.005	mg/L	1	03/06/17	LK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	03/06/17	RS	SW7470A	
TCLP Lead	0.223	0.010	mg/L	1	03/06/17	LK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	03/06/17	LK	SW6010C	
TCLP Metals Digestion	Completed				03/06/17	Q/Q	SW3005A	
Percent Solid	82		%		03/03/17	Q	SW846-%Solid	
Soil Extraction for PCB	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for Pesticide	Completed				03/03/17	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				03/03/17	CC/CKV	SW3545A	
Extraction of CT ETPH	Completed				03/03/17	BC/CKV	SW3545A	
Mercury Digestion	Completed				03/06/17	W/W	SW7471B	
TCLP Digestion Mercury	Completed				03/06/17	Q/Q	SW7470A	
TCLP Extraction for Metals	Completed				03/03/17	W	SW1311	
Total Metals Digest	Completed				03/03/17	Z/AG	SW3050B	
Field Extraction	Completed				03/02/17		SW5035A	

Project ID: 14EC0056
Client ID: SB-11 (3-5)

Phoenix I.D.: BX79490

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	77	60	mg/Kg	1	03/07/17	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	03/07/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	97		%	1	03/07/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1221	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1232	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1242	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1248	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1254	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1260	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1262	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
PCB-1268	ND	400	ug/Kg	10	03/07/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	47		%	10	03/07/17	AW	30 - 150 %
% TCMX	42		%	10	03/07/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	9.9	7.9	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDE	24	7.9	ug/Kg	2	03/07/17	CE	SW8081B
4,4' -DDT	30	7.9	ug/Kg	2	03/07/17	CE	SW8081B
a-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Alachlor	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Aldrin	ND	4.0	ug/Kg	2	03/07/17	CE	SW8081B
b-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Chlordane	ND	40	ug/Kg	2	03/07/17	CE	SW8081B
d-BHC	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
g-BHC	ND	1.6	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	03/07/17	CE	SW8081B
Methoxychlor	ND	40	ug/Kg	2	03/07/17	CE	SW8081B
Toxaphene	ND	160	ug/Kg	2	03/07/17	CE	SW8081B
QA/QC Surrogates							
% DCBP	34		%	2	03/07/17	CE	30 - 150 %
% TCMX	31		%	2	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C

Project ID: 14EC0056
Client ID: SB-11 (3-5)

Phoenix I.D.: BX79490

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	1	03/04/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,1-Dichloropropene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dibromoethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,2-Dichloropropane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,3-Dichloropropane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
2,2-Dichloropropane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
2-Chlorotoluene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	03/04/17	JLI	SW8260C
2-Isopropyltoluene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
4-Chlorotoluene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	03/04/17	JLI	SW8260C
Acetone	ND	300	ug/Kg	1	03/04/17	JLI	SW8260C
Acrylonitrile	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Benzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Bromobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Bromochloromethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Bromodichloromethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Bromoform	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Bromomethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon Disulfide	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Carbon tetrachloride	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Chlorobenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Chloroform	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Chloromethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromochloromethane	ND	3.7	ug/Kg	1	03/04/17	JLI	SW8260C
Dibromomethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Ethylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Hexachlorobutadiene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Isopropylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
m&p-Xylene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	37	ug/Kg	1	03/04/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Naphthalene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
n-Butylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
n-Propylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
o-Xylene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
p-Isopropyltoluene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
sec-Butylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Styrene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
tert-Butylbenzene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Tetrachloroethene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Toluene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Total Xylenes	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	03/04/17	JLI	SW8260C
Trichloroethene	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
Vinyl chloride	ND	6.1	ug/Kg	1	03/04/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	03/04/17	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	03/04/17	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	03/04/17	JLI	70 - 130 %
% Toluene-d8	96		%	1	03/04/17	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2,4-Trichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
1,3-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
1,4-Dichlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dichlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dimethylphenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrophenol	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
2,4-Dinitrotoluene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2,6-Dinitrotoluene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Chloronaphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Chlorophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylnaphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitroaniline	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
2-Nitrophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
3-Nitroaniline	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	390	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-11 (3-5)

Phoenix I.D.: BX79490

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Chloroaniline	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitroaniline	ND	630	ug/Kg	1	03/05/17	DD	SW8270D
4-Nitrophenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Acetophenone	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Aniline	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Anthracene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benz(a)anthracene	800	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzidine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(a)pyrene	770	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(b)fluoranthene	730	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(ghi)perylene	470	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzo(k)fluoranthene	710	280	ug/Kg	1	03/05/17	DD	SW8270D
Benzoic acid	ND	790	ug/Kg	1	03/05/17	DD	SW8270D
Benzyl butyl phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Carbazole	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Chrysene	850	280	ug/Kg	1	03/05/17	DD	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Dibenzofuran	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Diethyl phthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Dimethylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-butylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Di-n-octylphthalate	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Fluoranthene	1400	280	ug/Kg	1	03/05/17	DD	SW8270D
Fluorene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorobutadiene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Hexachloroethane	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Indeno(1,2,3-cd)pyrene	490	280	ug/Kg	1	03/05/17	DD	SW8270D
Isophorone	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Naphthalene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Nitrobenzene	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
Phenanthrene	960	280	ug/Kg	1	03/05/17	DD	SW8270D
Phenol	ND	280	ug/Kg	1	03/05/17	DD	SW8270D
Pyrene	1200	280	ug/Kg	1	03/05/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-11 (3-5)

Phoenix I.D.: BX79490

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	390	ug/Kg	1	03/05/17	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	03/05/17	DD	30 - 130 %
% 2-Fluorophenol	43		%	1	03/05/17	DD	30 - 130 %
% Nitrobenzene-d5	55		%	1	03/05/17	DD	30 - 130 %
% Phenol-d5	53		%	1	03/05/17	DD	30 - 130 %
% Terphenyl-d14	65		%	1	03/05/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

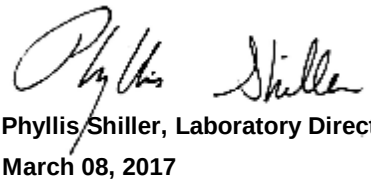
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	WJ	03/02/17	11:30
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79491

Project ID: 14EC0056
Client ID: SB-7/GW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Copper	0.015	0.005	mg/L	1	03/04/17	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	03/04/17	MA	SW6010C
Lead (Dissolved)	< 0.002	0.002	mg/L	1	03/04/17	MA	SW6010C
Zinc (Dissolved)	0.005	0.002	mg/L	1	03/04/17	MA	SW6010C
Lead	0.006	0.002	mg/L	1	03/04/17	LK	SW6010C
Zinc	0.045	0.002	mg/L	1	03/04/17	LK	SW6010C
Extraction of CT ETPH	Completed				03/03/17	P/D	SW3510C/SW3520C
Filtration	Completed				03/03/17	AG	0.45um Filter
PCB Extraction	Completed				03/03/17	T	SW3510C
Extraction for Pest (2 Liter)	Completed				03/03/17	T	SW3510C
Semi-Volatile Extraction	Completed				03/03/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed				03/03/17	AG	SW3005A
Total Metals Digestion	Completed				03/03/17	AG	
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.070	mg/L	1	03/06/17	JRB	CTETPH 8015D
Identification	ND		mg/L	1	03/06/17	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	73		%	1	03/06/17	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1221	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1232	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1242	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1248	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1254	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1260	ND	0.10	ug/L	1	03/06/17	AW	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
PCB-1268	ND	0.10	ug/L	1	03/06/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	73		%	1	03/06/17	AW	30 - 150 %
% TCMX	94		%	1	03/06/17	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
4,4' -DDE	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
4,4' -DDT	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
a-BHC	ND	0.025	ug/L	1	03/07/17	CE	SW8081B
Alachlor	ND	0.075	ug/L	1	03/07/17	CE	SW8081B
Aldrin	ND	0.002	ug/L	1	03/07/17	CE	SW8081B
b-BHC	ND	0.005	ug/L	1	03/07/17	CE	SW8081B
Chlordane	ND	0.30	ug/L	1	03/07/17	CE	SW8081B
d-BHC	ND	0.025	ug/L	1	03/07/17	CE	SW8081B
Dieldrin	ND	0.010	ug/L	1	03/07/17	CE	SW8081B
Endosulfan I	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
Endosulfan II	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
Endosulfan Sulfate	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
Endrin	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
Endrin Aldehyde	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
Endrin ketone	ND	0.050	ug/L	1	03/07/17	CE	SW8081B
g-BHC (Lindane)	ND	0.025	ug/L	1	03/07/17	CE	SW8081B
Heptachlor	ND	0.025	ug/L	1	03/07/17	CE	SW8081B
Heptachlor epoxide	ND	0.025	ug/L	1	03/07/17	CE	SW8081B
Methoxychlor	ND	0.10	ug/L	1	03/07/17	CE	SW8081B
Toxaphene	ND	1.0	ug/L	1	03/07/17	CE	SW8081B
QA/QC Surrogates							
%DCBP (Surrogate Rec)	44		%	1	03/07/17	CE	30 - 150 %
%TCMX (Surrogate Rec)	70		%	1	03/07/17	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C

Project ID: 14EC0056
Client ID: SB-7/GW

Phoenix I.D.: BX79491

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Acetone	ND	25	ug/L	1	03/03/17	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	03/03/17	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Styrene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/03/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	03/03/17	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	03/03/17	MH	70 - 130 %
% Dibromofluoromethane	92		%	1	03/03/17	MH	70 - 130 %
% Toluene-d8	101		%	1	03/03/17	MH	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5	ug/L	1	03/07/17	DD	SW8270D
1,2-Diphenylhydrazine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5	ug/L	1	03/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5	ug/L	1	03/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
2-Chloronaphthalene	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
2-Chlorophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
2-Nitroaniline	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
2-Nitrophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	03/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
3-Nitroaniline	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
4-Chloroaniline	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
4-Nitroaniline	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
4-Nitrophenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
Acetophenone	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Aniline	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Benzidine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Benzoic acid	ND	50	ug/L	1	03/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	ug/L	1	03/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Carbazole	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Dibenzofuran	ND	5.0	ug/L	1	03/07/17	DD	SW8270D
Diethyl phthalate	ND	5.0	ug/L	1	03/07/17	DD	SW8270D

Project ID: 14EC0056
Client ID: SB-7/GW

Phoenix I.D.: BX79491

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Dimethylphthalate	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
Di-n-butylphthalate	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
Di-n-octylphthalate	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
Isophorone	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
N-Nitrosodimethylamine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	03/07/17	DD	SW8270D	
Phenol	ND	1.0	ug/L	1	03/07/17	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91		%	1	03/07/17	DD	15 - 110 %	
% 2-Fluorobiphenyl	80		%	1	03/07/17	DD	30 - 130 %	
% 2-Fluorophenol	52		%	1	03/07/17	DD	15 - 110 %	
% Nitrobenzene-d5	69		%	1	03/07/17	DD	30 - 130 %	
% Phenol-d5	63		%	1	03/07/17	DD	15 - 110 %	
% Terphenyl-d14	83		%	1	03/07/17	DD	30 - 130 %	
Semivolatiles (SIM)								
1,2,4,5-Tetrachlorobenzene	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Anthracene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Benz(a)anthracene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	B
Chrysene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Fluoranthene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Fluorene	ND	0.10	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Naphthalene	ND	0.10	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Phenanthrene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Pyrene	ND	0.05	ug/L	1	03/06/17	DD	SW8270D (SIM)	
Pyridine	ND	0.50	ug/L	1	03/06/17	DD	SW8270D (SIM)	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101		%	1	03/06/17	DD	15 - 110 %	
% 2-Fluorobiphenyl	82		%	1	03/06/17	DD	30 - 130 %	
% 2-Fluorophenol	64		%	1	03/06/17	DD	15 - 110 %	
% Nitrobenzene-d5	76		%	1	03/06/17	DD	30 - 130 %	
% Phenol-d5	72		%	1	03/06/17	DD	15 - 110 %	

Project ID: 14EC0056
Client ID: SB-7/GW

Phoenix I.D.: BX79491

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	90		%	1	03/06/17	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for th calibration of 1,2-Diphenylhydrazine.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was report for the affected compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79492

Project ID: 14EC0056
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				03/02/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
2-Chlorotoluene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
2-Hexanone	ND	25	ug/Kg	1	03/03/17	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
4-Chlorotoluene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C

Project ID: 14EC0056 Phoenix I.D.: BX79492

Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	1	03/03/17	JLI	SW8260C
Acetone	ND	250	ug/Kg	1	03/03/17	JLI	SW8260C
Acrylonitrile	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Benzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Bromobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Bromochloromethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Bromodichloromethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Bromoform	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Bromomethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon Disulfide	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Carbon tetrachloride	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Chlorobenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Chloroform	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Chloromethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromochloromethane	ND	3.0	ug/Kg	1	03/03/17	JLI	SW8260C
Dibromomethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Ethylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Isopropylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
m&p-Xylene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	03/03/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	03/03/17	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	03/03/17	JLI	SW8260C
Naphthalene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
n-Butylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
n-Propylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
o-Xylene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
sec-Butylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Styrene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
tert-Butylbenzene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrachloroethene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	03/03/17	JLI	SW8260C
Toluene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Total Xylenes	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	03/03/17	JLI	SW8260C
Trichloroethene	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
Vinyl chloride	ND	5.0	ug/Kg	1	03/03/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	03/03/17	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	03/03/17	JLI	70 - 130 %

Project ID: 14EC0056 Phoenix I.D.: BX79492

Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	100		%	1	03/03/17	JLI	70 - 130 %
% Toluene-d8	98		%	1	03/03/17	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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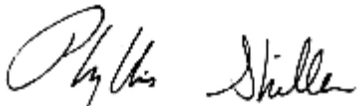

Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	WJ	03/02/17	
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79493

Project ID: 14EC0056
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dibromoethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	ug/L	1	03/03/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
2-Hexanone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C

Project ID: 14EC0056
Client ID: TRIP BLANK

Phoenix I.D.: BX79493

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	03/03/17	MH	SW8260C
Acrylonitrile	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Benzene	ND	0.70	ug/L	1	03/03/17	MH	SW8260C
Bromobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromochloromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromodichloromethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
Bromoform	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Bromomethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Carbon Disulfide	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chlorobenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloroform	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Chloromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C
Dibromochloromethane	ND	0.50	ug/L	1	03/03/17	MH	SW8260C
Dibromomethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Hexachlorobutadiene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
m&p-Xylene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Methyl ethyl ketone	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Methylene chloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Naphthalene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
o-Xylene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Styrene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Tetrachloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/03/17	MH	SW8260C
Toluene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Total Xylenes	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/03/17	MH	SW8260C
Trichloroethene	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
Vinyl chloride	ND	1.0	ug/L	1	03/03/17	MH	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	03/03/17	MH	70 - 130 %
% Bromofluorobenzene	96		%	1	03/03/17	MH	70 - 130 %
% Dibromofluoromethane	93		%	1	03/03/17	MH	70 - 130 %

Project ID: 14EC0056
Client ID: TRIP BLANK

Phoenix I.D.: BX79493

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101		%	1	03/03/17	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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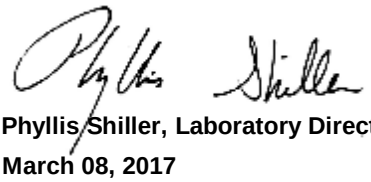

Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 08, 2017

FOR: Attn: Ms. Joy Kloss
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	WJ	03/02/17	
Location Code:	BLCOMPDOT	Received by:	B	03/03/17	12:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	175966				

Laboratory Data

SDG ID: GBX79484
Phoenix ID: BX79494

Project ID: 14EC0056
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				03/02/17		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	200	ug/Kg	50	03/03/17	JLI	SW8260C
1,1,1-Trichloroethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	100	ug/Kg	50	03/03/17	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,1-Dichloroethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,1-Dichloroethene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,1-Dichloropropene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2,3-Trichloropropane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2-Dibromoethane	ND	25	ug/Kg	50	03/03/17	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,2-Dichloroethane	ND	200	ug/Kg	50	03/03/17	JLI	SW8260C
1,2-Dichloropropane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,3-Dichloropropane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
2,2-Dichloropropane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
2-Chlorotoluene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
2-Hexanone	ND	1300	ug/Kg	50	03/03/17	JLI	SW8260C
2-Isopropyltoluene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
4-Chlorotoluene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C

Project ID: 14EC0056 Phoenix I.D.: BX79494

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1300	ug/Kg	50	03/03/17	JLI	SW8260C
Acetone	ND	5000	ug/Kg	50	03/03/17	JLI	SW8260C
Acrylonitrile	ND	100	ug/Kg	50	03/03/17	JLI	SW8260C
Benzene	ND	200	ug/Kg	50	03/03/17	JLI	SW8260C
Bromobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Bromochloromethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Bromodichloromethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Bromoform	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Bromomethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Carbon Disulfide	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Carbon tetrachloride	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Chlorobenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Chloroethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Chloroform	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Chloromethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Dibromochloromethane	ND	100	ug/Kg	50	03/03/17	JLI	SW8260C
Dibromomethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Dichlorodifluoromethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Ethylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Hexachlorobutadiene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Isopropylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
m&p-Xylene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Methyl Ethyl Ketone	ND	3000	ug/Kg	50	03/03/17	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Methylene chloride	ND	500	ug/Kg	50	03/03/17	JLI	SW8260C
Naphthalene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
n-Butylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
n-Propylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
o-Xylene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
p-Isopropyltoluene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
sec-Butylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Styrene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
tert-Butylbenzene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Tetrachloroethene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Tetrahydrofuran (THF)	ND	500	ug/Kg	50	03/03/17	JLI	SW8260C
Toluene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Total Xylenes	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	50	03/03/17	JLI	SW8260C
Trichloroethene	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Trichlorofluoromethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
Vinyl chloride	ND	250	ug/Kg	50	03/03/17	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	50	03/03/17	JLI	70 - 130 %
% Bromofluorobenzene	100		%	50	03/03/17	JLI	70 - 130 %

Project ID: 14EC0056 Phoenix I.D.: BX79494

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	97		%	50	03/03/17	JLI	70 - 130 %
% Toluene-d8	99		%	50	03/03/17	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standar order to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 08, 2017
Official Report Release To Follow

Criteria: CT: GBM, RC

State: CT

Sample Criteria Exceedances Report

GBX79484 - BLCOMPDOT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BX79485	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	620	67	500	500	mg/Kg
BX79485	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.275	0.005	0.05	0.05	mg/L
BX79487	$8260MAR	1,1,2,2-Tetrachloroethane	CT / VOLATILE ORGANIC COMPOUND / GB PMC (mg/kg	ND	160	100	100	ug/Kg
BX79487	$8260MAR	Dibromochloromethane	CT / VOLATILE ORGANIC COMPOUND / GB PMC (mg/kg	ND	160	100	100	ug/Kg
BX79487	$8260MAR	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / RES DEC (mg/k	ND	80	7	7	ug/Kg
BX79487	$8270-SMR	Hexachlorobenzene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3000	1000	1000	ug/Kg
BX79487	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3500	1000	1000	ug/Kg
BX79487	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3400	1000	1000	ug/Kg
BX79487	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3500	1000	1000	ug/Kg
BX79487	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3400	1000	1000	ug/Kg
BX79487	$8270-SMR	Bis(2-chloroethyl)ether	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	2800	2400	2400	ug/Kg
BX79487	$8270-SMR	Pentachlorophenol	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3900	1000	1000	ug/Kg
BX79487	$8270-SMR	Hexachloroethane	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)	ND	3100	1000	1000	ug/Kg
BX79487	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg	ND	3400	1000	1000	ug/Kg
BX79487	$8270-SMR	Hexachlorobenzene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg	ND	3000	1000	1000	ug/Kg
BX79487	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg	ND	3500	1000	1000	ug/Kg
BX79487	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg	ND	3500	1000	1000	ug/Kg
BX79487	$8270-SMR	Bis(2-chloroethyl)ether	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg	ND	2800	1000	1000	ug/Kg
BX79487	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	41000	3800	2500	2500	mg/Kg
BX79487	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	41000	3800	500	500	mg/Kg
BX79487	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	1240	5.4	400	400	mg/Kg
BX79487	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.084	0.005	0.05	0.05	mg/L
BX79487	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	7.35	0.10	0.15	0.15	mg/L
BX79487	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	7.35	0.10	5	5	mg/L
BX79488	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1500	680	500	500	mg/Kg
BX79490	PB-SM	Lead	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	582	4.1	400	400	mg/Kg
BX79490	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.223	0.010	0.15	0.15	mg/L
BX79494	$8260MER	1,2-Dibromoethane	CT / VOLATILE ORGANIC COMPOUND / RES DEC (mg/k	ND	25	7	7	ug/Kg

Cooler Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp 4 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☑ Email: JKloss@blcompanies.com

Customer: BL Companies
Address: 355 Research Pkwy
Meriden, CT 06450
203-630-1406

Project: 14EC0056
Report to: Joy Kloss
Invoice to: Same
Phone #: 203-630-1406
Fax #:

Project P.O.: 175966

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Wesley Johnson Date: 3/2/17

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	ETPH	PCBs	Pesticides	Total RCRA 8 Metals	Leachable RCRA 8 Metals (TCLP)	Total and Dissolved Pb, Cu, Zn	Soil VOA Vials [1] methanol [2] H2O	Gl. Soil container (8) oz ( ) oz	40 ml VOA Vial [ ] As is [3] HCl	Gl. Amber 1000ml [5] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria (as is)	Bacteria (within)
79484	Sb-6 (5-7')	S	3/2/17	9:55	X	X	X	X	X	X	X						X	2								
79485	Sb-7/GW (5-7')	S		9:35	X	X	X	X	X	X	X						X	2								
79486	Sb-7/GW (10-12)	S		9:40	X	X	X	X	X	X	X						X	2								
79487	Sb-8 (5-7)	S		9:15	X	X	X	X	X	X	X						X	2								
79488	Sb-8 (10-12)	S		9:15	X	X	X	X	X	X	X						X	2								
79489	Sb-10 (3-5)	S		10:15	X	X	X	X	X	X	X						X	2								
79490	Sb-11 (3-5')	S		10:10	X	X	X	X	X	X	X						X	2								
79491	Sb-7/GW	GW		11:30	X	X	X	X	X			X							X	X	X		X				
79492	Trip Blank	W			X												X									
79493	Trip Blank 4	W			X														2							
79494	TB H																									

Relinquished by:	Accepted by:	Date:	Time:
Wesley Johnson	BL Fridge	3/2/17	14:00
		3/3/17	1200
	TPOMM	3/3/17	1645

Comments, Special Requirements or Regulations:
DAS contract/NoTax/ ISP Form

Turnaround:
☐ 1 Day*
☐ 2 Days*
☑ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☑ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☑ GB Mobility
☑ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES