TASK 210 – SUBSURFACE SITE INVESTIGATION REPORT

CONNECTICUT DEPARTMENT OF TRANSPORTATION
REHABILITATION OF
MAINTENANCE FACILITY
POMFRET, CONNECTICUT

Prepared for:

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Division of Environmental Compliance
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BL Companies Project Number 14EC0016
ConnDOT Project No. 0111-0121
Assignment No. 314-5057

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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. 0111-0121, Maintenance Facility Rehabilitation, in Pomfret, 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 is located at the ConnDOT maintenance facility at 31 Killingly Road (Route 101) in Pomfret, Connecticut. The project involves the construction of a new maintenance facility, fuel island, and corresponding site improvements. The existing maintenance facility and fuel island will be demolished. The site's location and pertinent features are depicted on the Site Location Map and Boring Location Plan (EV-01) in Appendix A.

The purpose of this Task 210 SSI is to collect soil and groundwater data in order to evaluate whether the proposed construction activities require management of contaminated soil and groundwater.

1.2 Previous Environmental Reports

No previous environmental investigation reports were available for review by BL Companies.

1.3 Scope of Work

BL Companies completed this Task 210 SSI pursuant to our work plan, dated April 6, 2015 and approved by ConnDOT. The scope of work for included the following tasks:

- Pre-drilling activities (1) mark proposed drilling locations, (2) contacting Call-Before-You-Dig to request mark outs of subsurface utilities, (3) perform a private utility survey to mark the locations of subsurface utilities and product lines in the vicinity of the proposed drilling locations, and (4) discuss proposed drilling locations with representatives of ConnDOT and other utility companies/agencies;
- Completion of twelve soil borings to depths ranging from 5 to 15 feet below grade (ftbg) using a Geoprobe direct push rig;
- Installation of a temporary groundwater monitoring well;
- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of up to 24 soil samples 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;
- Ignitability; Reactivity; and pH.

- Collection and laboratory analysis of a groundwater sample from a temporary well for the following:
  - VOCs by EPA Method 624;
  - SVOCs by EPA Method 625;
  - TPH by EPA Method 1664;
  - Total and Dissolved RCRA-8 Metals, Copper, and Zinc by EPA Method 200.7/7470.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the "Surficial Materials Map of Connecticut", dated 1992, surficial materials of the project area consist of sand and gravel, which is described as sand and gravel within individual layers and as alternating layers.

Based observations during boring installation, surficial materials consist of light brown to brown sand and gravel with silt. 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 Hebron Gneiss, which is described as gray, medium-grained schist and granofels and Straits Schist, which is described as interlayered dark-gray schist and greenish-gray, fine to medium grained calc-silicate gneiss. Bedrock was not encountered during the subsurface investigation.

2.3 Groundwater

Based on a review of the Water Quality Classifications Map for Pomfret, Connecticut, dated August 2014, the project area has been designated by Department of Energy and Environmental Protection (DEEP) as “GA” quality. The GA classification indicates that the Site is located within the area of influence of private and/or public water supply wells and is presumed suitable for direct human consumption without treatment. During this Task 210 SSI, groundwater was encountered at three locations at a depth of 13 ftbg (B-4, B-6, and B-9).

Based on the presence of the unnamed tributary of the Quinebaug River, located 200 feet east of the site, the general direction of groundwater flow is inferred to be toward the east/southeast.

2.4 Surface Water

According the above referenced DEEP map, the unnamed tributary of the Quinebaug River is classified as a class “A” surface water body. Class A surface waters are designated for use as a fish, aquatic life, and wildlife habitat, potential drinking water supply, recreation, navigation, and/or industrial and agricultural water supply.

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the advancement of twelve borings and collection and laboratory analysis of 22 soil samples. BL Companies subcontracted Cummins Envirotech, Inc. (CEI) of Old Lyme, Connecticut to advance the borings. The soil boring locations are depicted on the Boring Location Plan.

Soil samples were analyzed for regulated constituents of concern associated with the historical and current use of the maintenance facility. Table 1 provides a summary of the sampling rationale and the laboratory analyses requested for each soil sample. The following sections summarize the field investigation and sampling methodologies used during this investigation.

3.1 Soil Boring Installation and Sampling

On April 16, 2015, twelve borings, identified as B-1 through B-12, were advanced using a truck-mounted Geoprobe direct-push drill rig to depths ranging from 4.5 to 17 ftbg. Soil samples were obtained continuously during advancement of the borings using a 2-inch diameter, 5-foot long, thin-walled, sampling device equipped with disposable acetate liners.

A representative portion of each 5-foot soil core was screened with a PID. The PID was equipped with a 10.6 eV bulb and was calibrated to isobutylene standard gas (100 parts per million (ppm)). PID screening resulted in 0.0 ppm for all samples and are provided on the boring logs in Appendix C.

In the absence of field screening detections and physical evidence of impact, soil samples were selected for laboratory analysis based upon the anticipated depth of construction activities. The samples were submitted under proper chain of custody to Phoenix Environmental Laboratories, Inc. (Phoenix) 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 prepacked screen and riser pipe were inserted into boring B-6, as a temporary sampling well. After the groundwater in the temporary well was allowed to equilibrate, the well was sampled at a low-flow rate using a peristaltic pump. The groundwater was pumped directly into pre-preserved sample containers provided by the laboratory and placed in a cooler with ice. The groundwater sample was 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 also compared to the proposed 2008 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, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

The Site is not currently regulated under any of these State statutes. However, BL Companies used the numeric criteria stated above as guidelines to evaluate the data regarding 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 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 the purpose of groundwater management.

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

4.1 RSR 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. In a "GA" groundwater classification area, the GA PMC apply to soil located from the ground surface to the depth of the seasonal low water table. As the project area is in a "GA" area, BL Companies compared the soil analytical results to the GA PMC.

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

The MCLs apply to groundwater remediation wastewater that is discharged to surface water or sanitary sewer. The potential exists for excavation below the water table within the project area. In order to evaluate whether groundwater dewatered from various excavation would require special management, BL Companies compared the groundwater analytical results to the Surface Water Discharge MCLs that apply to discharge to a Class A surface water body and the Sanitary Sewer MCLs.

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

Soil analytical results are summarized in Table 2 along with the regulatory criteria and are discussed below. The soil analytical laboratory report is included in Appendix D.

VOCs

All soil samples were analyzed for aromatic and halogenated VOCs by EPA Method 8260. VOCs were not detected in any samples.

SVOCs

All soil samples were analyzed for SVOCs by EPA Method 8270. SVOCs were detected in soil samples B-1 (0-2'), B-4 (11-13'), B-5 (0-2'), B-6 (11-13'), B-7 (0-2'), B-11 (1-3'), B-11 (4-6'), and B-12 (0-2') at concentrations above the RES DEC, I/C DEC, and/or GA PMC. 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 samples B-1 (0-2'), B-7 (0-2'), and B-11 (4-6') at concentrations above the RES DEC and GA PMC. ETPH was detected above the method detection limit in soil sample B-12 (0-2') at concentration below the RSR criteria. ETPH was not detected above the detection limits in any other samples.

Metals

All soil samples were analyzed for total RCRA 8 metals. Arsenic was detected in all soil samples at concentrations ranging from 3.5 to 23.4 mg/kg. Arsenic concentrations exceeded the DEC of 10 mg/kg in soil samples B-3 (0-2'), B-3 (4-6'), B-5 (0-2'), B-5 (2-4'), B-6 (0-2'), B-6 (11-13'), B-7 (2-4'), B-8 (11-13'), B-9 (11-13'), B-10 (0-2'), B-11 (1-3'), and B-12 (0-2'). Barium, chromium, and lead were detected in all samples at concentrations below the RES DEC and I/C DEC.

The soil samples were additionally analyzed for leachable RCRA 8 metals by TCLP for comparison to the GA PMC and to evaluate whether the soil contained hazardous levels of metals. Leachable lead was detected in soil samples B-1 (0-2'), B-7 (0-2'), B-11(1-3'), and B-11(4-6') at concentrations above the GA PMC of 0.015 mg/l. Leachable barium was detected in all samples at concentrations below the GA PMC criteria of 1 mg/l.

PCBs

All soil samples were analyzed for PCBs by EPA Method 8082. PCBs were not detected above the method detection limits in the soil samples.

Pesticides

All soil samples were analyzed for pesticides by EPA Method 8081. 4,4'-DDD, 4,4'-DDE, 4.4'-DDT, and dieldrin were detected in samples B-7 (0-2') and B-7 (2-4') at concentrations above the RES DEC and GA PMC. Pesticides were not detected above the reporting limits in soil samples B-1 (0-2') and B-11 (4-6'); however, the reporting limits exceeded the GA PMC. Pesticides were not detected above the detection limits in any other soil samples.

5.2 Groundwater Sample Analytical Results

One groundwater sample, identified as B-6/GW, was submitted for laboratory analysis of VOCs, SVOCs, TPH, total and dissolved RCRA 8 metals during this Task 210 SSI. Groundwater analytical results in comparison to the General Permit Discharge MCLs are summarized in Table 3. The groundwater analytical laboratory report is included in Appendix D.

Total barium, chromium, and zinc and dissolved barium and zinc were detected above the detection limits although below the MCLs established in the DEEP General Discharge Permits.

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 thoroughly 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 from the laboratory, to the site, and back to the laboratory. The purpose of a trip blank sample was to evaluate the potential for cross-contamination from the surrounding environment during transport. The trip blank sample was analyzed for VOCs. VOCs were not detected in the trip blank sample, indicating that there was likely no cross-contamination of the samples during transportation.

A duplicate soil sample was obtained from one randomly selected soil sample location 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 obtained from sample B-1 (0-2') and analyzed for VOCs, SVOCs, ETPH, PCBs, pesticides, and total and TCLP RCRA 8 metals.

- ETPH concentrations resulted in a 56.67 RPD, which is slightly higher than the 50 RPD acceptable limit for non-aqueous samples, indicating that this soil sample interval had a high degree of heterogeneity.

- SVOC concentrations resulted in a 51.16 average RPD, which are slightly higher than the 50 RPD acceptable limit for non-aqueous samples, indicating that this soil sample interval had a high degree of heterogeneity.
- Total metals results had the following RPDs: arsenic (12.39), barium (26.09), chromium (6.9), and lead (45.34), which are an acceptable level of precision.
- TCLP barium and TCLP lead resulted in RPDs of 8.7 and 8.33, respectively, which are acceptable levels of precision.
- VOCs, PCBs, and pesticides were not detected above the laboratory detection limits in sample B-1 (0-2') or its duplicate.

The laboratory detection limits for several pesticides exceeded their respective GA PMC in all soil samples collected. The soil, represented by these samples, requires special management as contaminated material due to detections of other constituents of concern above the RSR criteria. Therefore, the higher detection limits do not affect the usability of the data.

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, and total and dissolved metals. No constituents were detected in the field blank sample.

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

A duplicate sample was not collected from B-6/GW due to limited sample volume.

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 Areas of Environmental Concern (AOECs) within the project area. The identified preliminary soil AOECs are depicted on EV-01.

AOEC 1 – Contaminated Soil in the Vicinity of Boring B-1

ETPH, SVOCs, and leachable lead were detected at concentrations exceeding the RSR criteria in sample B-1 (0-2'). In addition low-level arsenic, barium, chromium, and lead (at concentrations below the applicable RSR criteria) were detected in the soil sample.

Proposed work within AOEC 1 includes grading and construction of a parking area. Therefore, any soil removed from AOEC 1 should be handled as controlled material. The source of the elevated levels of ETPH, SVOCs, and lead appears to be associated with material storage at the maintenance facility. Contaminants were likely released directly to underlying soil over time. Potential receptors of the impacted soil include workers involved in the construction activities, particularly during grading activities.

AOEC 2 – Contaminated Soil in the Vicinity of Borings B-2, B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, and B-12

ETPH, SVOCs, pesticides, total arsenic, and leachable lead were detected at concentrations exceeding the RSR criteria in samples collected from borings B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, and B-12. In addition low-level arsenic, barium, chromium, and lead (at concentrations below the applicable RSR criteria) were detected.

Proposed work in AOEC 2 includes the construction of a new maintenance facility, fuel island, and corresponding site improvements. Therefore, any soil removed from AOEC 2 should be handled as controlled material. The source of the elevated levels of ETPH, SVOCs, pesticides and lead is unknown, but appears to be associated with typical maintenance facility activities, including fueling and historical application of pesticides. Contaminants were likely released directly to underlying soil in minor quantities over time. Potential receptors of the impacted soil include workers involved in the construction activities, particularly during removal activities.

7.0 CONCLUSIONS AND RECOMMENDATIONS

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

- AOEC 1 soil contains ETPH, SVOCs, and leachable lead at concentrations exceeding RSR numeric criteria and therefore classified as contaminated material.
- AOEC 2 soil contains ETPH, SVOCs, pesticides, total arsenic, and leachable lead at concentrations exceeding RSR numeric criteria and therefore classified 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 disposal of contaminated materials (soil) that may be 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.

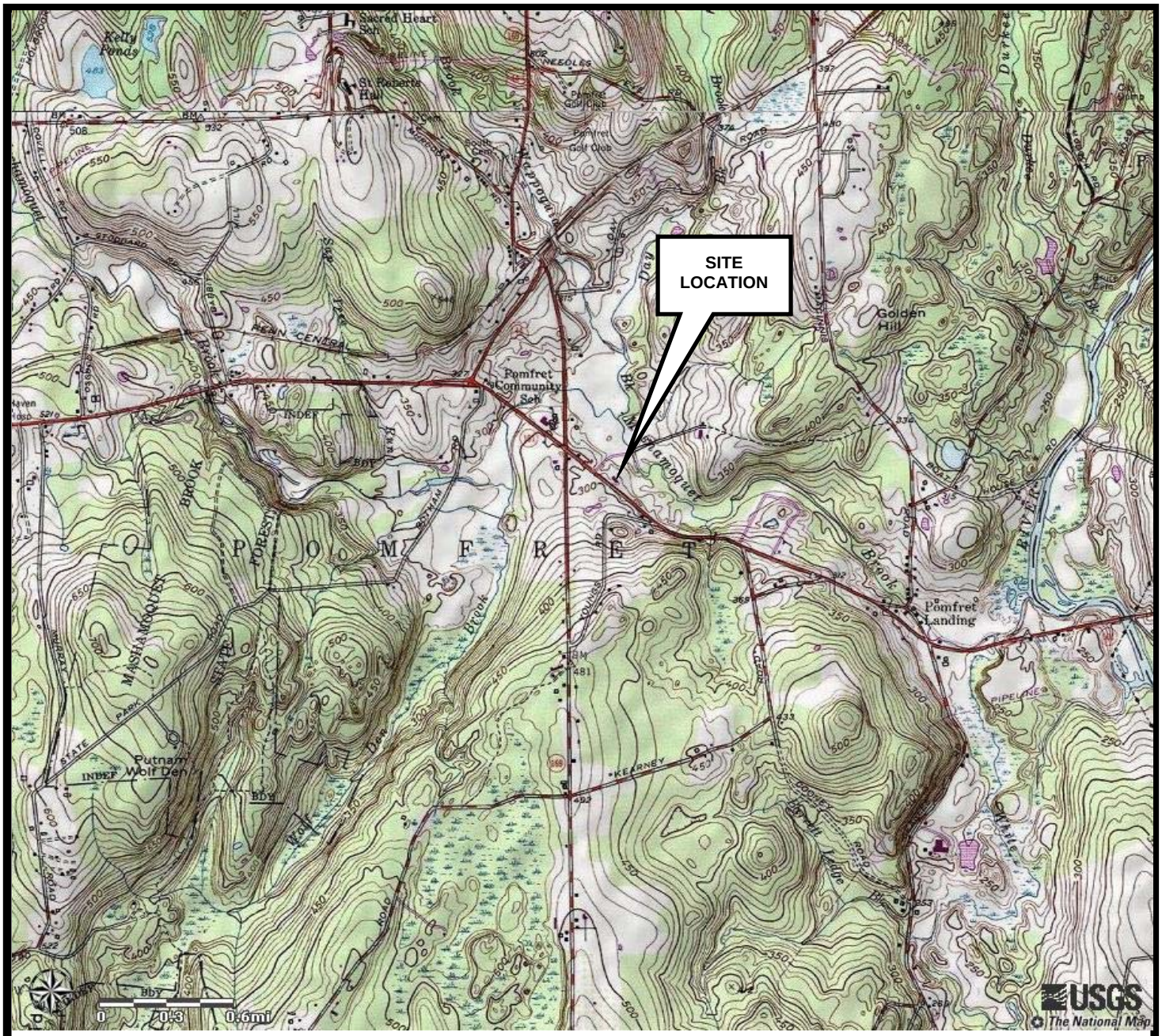
9.0 REFERENCES

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 Pomfret”, August 2014.
3. State of Connecticut Department of Transportation, Division of Environmental Compliance, “On-Call Contaminated Soil/Groundwater Scopes” manual, dated 2010.
4. Rogers, John, USGS, “Bedrock Geological Map of Connecticut”, dated 1985.
5. Stone, J., USGS, “Surficial Materials Map of Connecticut”, dated 1992.

APPENDIX A

FIGURES

Site Location Map
Boring Location Plan (EV-01)



Base map is a reproduction of the U.S.G.S. 7.5 Minute
Norwich Quadrangle – Map 72

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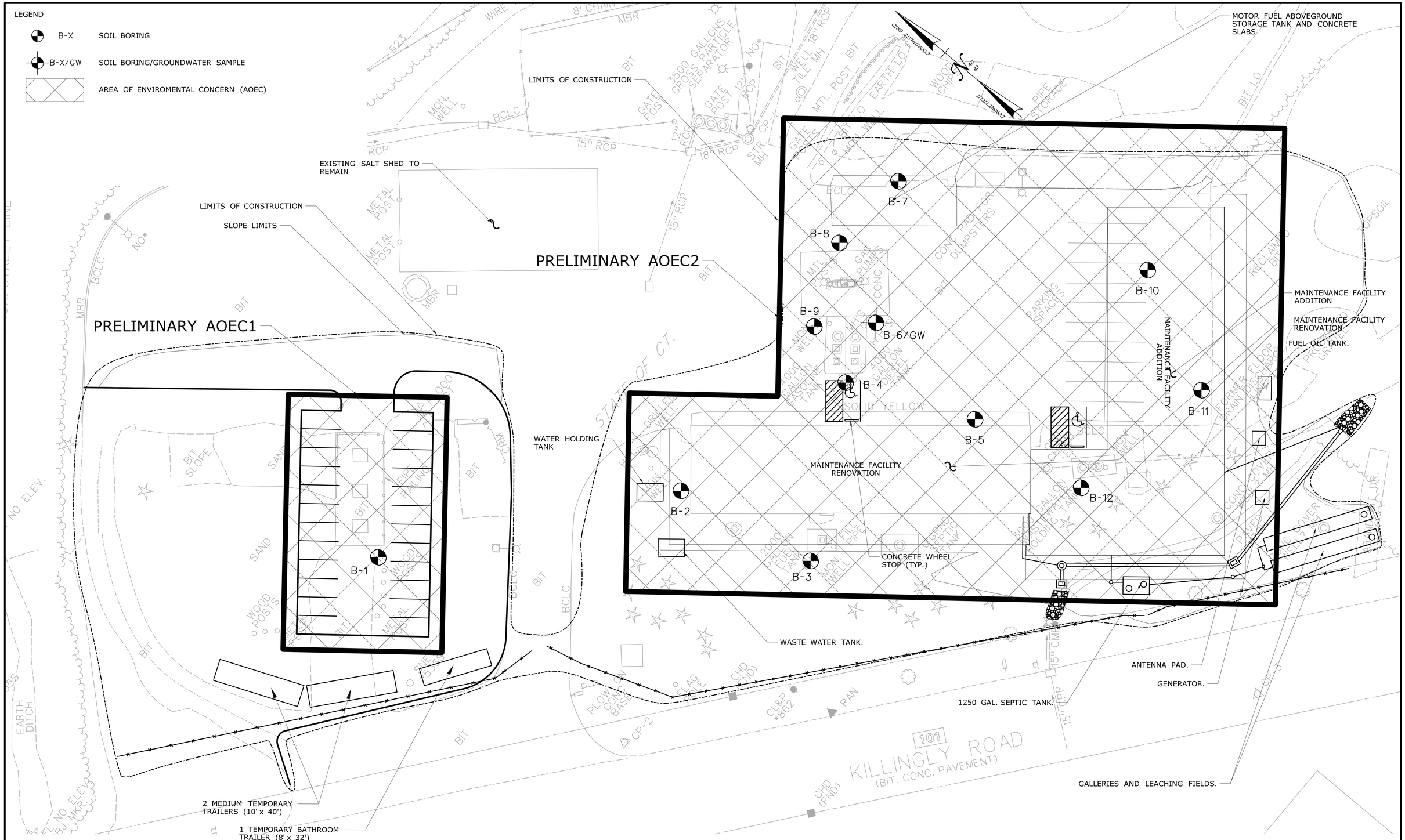
SITE LOCATION MAP

Rehabilitation of ConnDOT Maintenance Facility
Pomfret, CT

Project No.
14EC0016

BL Companies



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: 6/10/2015

DESIGNER/DRAFTER: **JO/JK**

CHECKED BY: **AS**

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

PROJECT TITLE:

POMFRET MAINTENANCE FACILITY REHABILITATION

TOWN: **POMFRET**

DRAWING TITLE: **BORING LOCATION PLAN**

PROJECT NO. **111-121**

DRAWING NO.

SHEET NO. **EV-01**

APPENDIX B

TABLES

Table 1 – Sample Location Rationale and Selected Analyses
Table 2 – Soil Analytical Results
Table 3 – Groundwater Analytical Results

Table 1
Sample Location Rationale and Selected Analyses
Rehabilitation of ConnDOT Maintenance Facility
Pomfret, Connecticut
BL Companies Project No. 14EC0016

Sample Identification	Sample Interval	Location Rationale	VOCs (8260)	SVOCs (8270)	ETPH	PCBs (8082)	Pesticides (8081)	Total RCRA 8 Metals	TCLP RCRA 8 Metals
B-1	0-2' (Duplicate)	Storage Area; Western portion of Site	X	X	X	X	X	X	X
B-2	0-2'	West of building foundation and vicinity of proposed holding tank and waste water tank	X	X	X	X	X	X	X
	4-6'		X	X	X	X	X	X	X
B-3	0-2'	South of building foundation and vicinity of fuel oil underground storage tank (UST)	X	X	X	X	X	X	X
	4-6'		X	X	X	X	X	X	X
B-4	11-13'	South of gasoline and diesel USTs	X	X	X	X	X	X	X
B-5	0-2'	North of building foundation	X	X	X	X	X	X	X
	2-4'		X	X	X	X	X	X	X
B-6	0-2'	East of gasoline and diesel USTs; South of pump island	X	X	X	X	X	X	X
	11-13'		X	X	X	X	X	X	X
B-7	0-2'	Footprint of proposed aboveground storage tanks (ASTs)	X	X	X	X	X	X	X
	2-4'		X	X	X	X	X	X	X
B-8	0-2'	North of pump island	X	X	X	X	X	X	X
	11-13'		X	X	X	X	X	X	X
B-9	0-2'	West of gasoline and diesel USTs; South of pump island	X	X	X	X	X	X	X
	11-13'		X	X	X	X	X	X	X
B-10	0-2'	Footprint of proposed building addition	X	X	X	X	X	X	X
	2-4'		X	X	X	X	X	X	X

Table 1
Sample Location Rationale and Selected Analyses
Rehabilitation of ConnDOT Maintenance Facility
Pomfret, Connecticut
BL Companies Project No. 14EC0016

Sample Identification	Sample Interval	Location Rationale	VOCs (8260)	SVOCs (8270)	ETPH	PCBs (8082)	Pesticides (8081)	Total RCRA 8 Metals	TCLP RCRA 8 Metals
B-11	1-3'	Footprint of proposed building addition	X	X	X	X	X	X	X
	4-6'		X	X	X	X	X	X	X
B-12	0-2'	Footprint of proposed building addition and adjacent to oil/water separator	X	X	X	X	X	X	X
	5-7'		X	X	X	X	X	X	X
Trip Blank	--	--	X						
Groundwater Sample	**Sample Collection Method**	**Location Rationale**	**VOCs (624)**	**SVOCs (625)**	**TPH**	**Total RCRA 8 Metals**	**Dissolved RCRA 8 Metals**	**Total Cu & Zn**	**Dissolved Cu & Zn**
B-6 GW	Grab	East of gasoline and diesel USTs; South of pump island	X	X	X	X	X	X	X
Field Blank	--	--	X	X	X	X	X	X	X
Trip Blank	--	--	X	X	X	X	X	X	X

Table 2
Soil Analytical Results
Rehabilitation of ConnDOT Maintenance Facility
Pomfret, Connecticut
BL Companies Project No. 14EC0016

Parameters	CTDEEP RSR Numeric Criteria			Concentration of Compound in Sample														
	RES DEC	IC DEC	GA PMC	B-1 (0-2') 4/16/2015	B-1 (0-2') DUP 4/16/2015	B-2 (0-2') 4/16/2015	B-2 (4-6') 4/16/2015	B-3 (0-2') 4/16/2015	B-3 (4-6') 4/16/2015	B-4 (11-13') 4/16/2015	B-5 (0-2') 4/16/2015	B-5 (2-4') 4/16/2015	B-6 (0-2') 4/16/2015	B-6 (11-13) 4/16/2015	B-7 (0-2') 4/16/2015	B-7 (2-4') 4/16/2015	B-8 (0-2') 4/16/2015	B-8 (11-13') 4/16/2015
ETPH (mg/kg)	500	2,500	500	**770**	430	ND	ND	ND	ND	ND	ND	ND	ND	ND	**740**	ND	ND	ND
VOCs (mg/Kg)	various	various	various	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/Kg)																		
2-Methylnaphthalene	--	--	--	ND	0.6	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND
Acenaphthene	1000*	2500*	8.4*	6.8	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1000	2500	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
Anthracene	1000	2500	40	2.3	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91	ND	ND	ND
Benz(a)anthracene	1	7.8	1	**10**	**6.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**	ND	ND	ND
Benzo(a)pyrene	1	1	1	**13**	**7.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND	ND	ND
Benzo(b)fluoranthene	1	7.8	1	**13**	**8.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.4**	ND	ND	ND
Benzo(g,h,i)perylene	1000*	2500*	4.2*	**9**	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
Benzo(k)fluoranthene	8.4	78	1	**4.4**	**4.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND
Bis(2-ethylhexyl)phthalate	30*	408.8*	0.2*	ND	ND	ND	ND	ND	ND	**0.34**	**0.77**	ND	ND	**1.1**	ND	ND	ND	ND
Carbazole	3.3*	286.2*	0.2*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	84*	780*	1*	**15**	**9.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6**	ND	ND	ND
Dibenzofuran	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1000	2500	5.6	**12**	**7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8.1**	ND	ND	ND
Fluorene	1000	2500	5.6	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1*	7.8*	1*	**6.6**	**2.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.8**	ND	ND	ND
Naphthalene	1000	2,500	5.6	2.5	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1000	2500	4	**6.8**	**4.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	ND
Pyrene	1000	2500	4	**18**	**9.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.8**	ND	ND	ND
RCRA 8 Metals (mg/Kg)																		
Arsenic	10	10	--	5.3	6	4	6.7	**16.1**	**13.2**	5.5	**14.7**	**13.9**	**11.7**	**12.9**	8.3	**11.5**	8.7	**23.4**
Barium	4700	140000	--	28	36.4	27.8	43.5	55.4	164	77.6	48	45.9	20.5	46.5	78.7	47.3	21.3	63.3
Chromium, Total	100**	100**	--	22.5	21	13.2	27.5	51.6	84	34.2	33.1	70.5	22.3	33.5	32.3	30.0	24.5	49.3
Lead	400	1000	--	30.3	19.1	9.48	8.74	6.58	9.63	4.31	5.7	3.93	5.7	4.35	176	5.77	5.08	4.74
TCLP RCRA 8 Metals (mg/L)																		
Barium	--	--	1	0.24	0.22	0.26	0.17	0.3	0.58	0.56	0.4	0.25	0.09	0.38	0.27	0.21	0.07	0.28
Lead	--	--	0.015	**0.1**	**0.092**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.029**	ND	ND	ND
PCBs (mg/Kg)	1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (mg/Kg)																		
4,4'-DDD	1.7*	23.8*	0.003*	<0.07	<0.071	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.7**	**3.6**	ND	ND
4,4'-DDE	1.2*	16.8*	0.002*	<0.07	<0.071	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**4.4**	ND	ND
4,4'-DDT	1.2*	16.8*	0.002*	<0.1	<0.071	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.8**	**4.1**	ND	ND
Dieldrin	0.038	0.36	0.007	<0.035	<0.035	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.4**	**1.2**	ND	ND
ETPH (mg/kg)	500	2,500	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

CTDEEP = Connecticut Department of Energy and Environmental Protection
RSR = Remediation Standard Regulations
RES DEC = Residential Direct Exposure Criteria
IC DEC = Industrial-Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
mg/kg = milligrams per kilogram = parts per million
mg/l = milligrams per liters = parts per million
ND = Not detected above laboratory reporting limits
NA = Not Analyzed
* = proposed 2008 numeric criteria for additional polluting substances not established in 2013 RSRs
** = hexavalent chromium criteria
-- = criteria does not apply
Shade/Bold = Exceeds Numeric Criteria

Table 2
Soil Analytical Results
Rehabilitation of ConnDOT Maintenance Facility
Pomfret, Connecticut
BL Companies Project No. 14EC0016

Parameters	CTDEEP RSR Numeric Criteria			Concentration of Compound in Sample								
	RES DEC	IC DEC	GA PMC	B-9 (0-2') 4/16/2015	B-9 (11-13') 4/16/2015	B-10 (0-2') 4/16/2015	B-10 (2-4') 4/16/2015	B-11 (1-3') 4/16/2015	B-11 (4-6') 4/16/2015	B-12 (0-2') 4/16/2015	B-12 (5-7') 4/16/2015	TRIP BLANK LL 4/16/2015
ETPH (mg/kg)	500	2,500	500	ND	ND	ND	ND	ND	**950**	170	ND	NA
VOCs (mg/Kg)	various	various	various	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/Kg)												
2-Methylnaphthalene	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	NA
Acenaphthene	1000*	2500*	8.4*	ND	ND	ND	ND	ND	0.61	ND	ND	NA
Acenaphthylene	1000	2500	8.4	ND	ND	ND	ND	1.5	1.7	ND	ND	NA
Anthracene	1000	2500	40	ND	ND	ND	ND	1.1	2.6	0.57	ND	NA
Benz(a)anthracene	1	7.8	1	ND	ND	ND	ND	**5.2**	**8**	**1.2**	ND	NA
Benzo(a)pyrene	1	1	1	ND	ND	ND	ND	**5.2**	**9.6**	0.96	ND	NA
Benzo(b)fluoranthene	1	7.8	1	ND	ND	ND	ND	**6.6**	**13**	**1.3**	ND	NA
Benzo(g,h,i)perylene	1000*	2500*	4.2*	ND	ND	ND	ND	3.3	**4.7**	0.45	ND	NA
Benzo(k)fluoranthene	8.4	78	1	ND	ND	ND	ND	**2.5**	**4.7**	0.42	ND	NA
Bis(2-ethylhexyl)phthalate	30*	408.8*	0.2*	ND	ND	ND	ND	ND	**0.26**	ND	ND	NA
Carbazole	3.3*	286.2*	0.2*	ND	ND	ND	ND	ND	**1.6**	ND	ND	NA
Chrysene	84*	780*	1*	ND	ND	ND	ND	**6.6**	**10**	**1.2**	ND	NA
Dibenzofuran	NE	NE	NE	ND	ND	ND	ND	ND	0.48	ND	ND	NA
Fluoranthene	1000	2500	5.6	ND	ND	ND	ND	**10**	**24**	2.4	ND	NA
Fluorene	1000	2500	5.6	ND	ND	ND	ND	ND	1.3	ND	ND	NA
Indeno(1,2,3-cd)pyrene	1*	7.8*	1*	ND	ND	ND	ND	**3.1**	**4.4**	0.39	ND	NA
Naphthalene	1000	2,500	5.6	ND	ND	ND	ND	ND	0.27	ND	ND	NA
Phenanthrene	1000	2500	4	ND	ND	ND	ND	**5.9**	**16**	2.2	ND	NA
Pyrene	1000	2500	4	ND	ND	ND	ND	**11**	**18**	2	ND	NA
RCRA 8 Metals (mg/Kg)												
Arsenic	10	10	--	7.6	**10.5**	**11.5**	8.7	**20.4**	3.5	**12.4**	7.7	NA
Barium	4700	140000	--	24.3	145	47.3	99.9	53.8	18.1	40.2	16.5	NA
Chromium, Total	100**	100**	--	20.3	46.7	36.4	52.5	24.8	11.9	26.3	13.1	NA
Lead	400	1000	--	3.98	5.39	5.62	3.95	21	155	7.99	1.81	NA
TCLP RCRA 8 Metals (mg/L)												
Barium	--	--	1	0.12	0.65	0.18	0.44	0.31	0.18	0.28	0.16	NA
Lead	--	--	0.015	ND	ND	ND	ND	**0.062**	**0.976**	ND	ND	NA
PCBs (mg/Kg)	1	10	--	ND	ND	ND	ND	ND	ND	ND	ND	NA
Pesticides (mg/Kg)												
4,4'-DDD	1.7*	23.8*	0.003*	ND	ND	ND	ND	ND	<0.069	ND	ND	NA
4,4'-DDE	1.2*	16.8*	0.002*	ND	ND	ND	ND	ND	<0.069	ND	ND	NA
4,4'-DDT	1.2*	16.8*	0.002*	ND	ND	ND	ND	ND	<0.069	ND	ND	NA
Dieldrin	0.038	0.36	0.007	ND	ND	ND	ND	ND	<0.035	ND	ND	NA
ETPH (mg/kg)	500	2,500	500	ND	ND	ND	ND	ND	ND	ND	ND	NA

CTDEEP = Connecticut Department of Energy and Environmental Protection
RSR = Remediation Standard Regulations
RES DEC = Residential Direct Exposure Criteria
IC DEC = Industrial-Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
mg/kg = milligrams per kilogram = parts per million
mg/l = milligrams per liters = parts per million
ND = Not detected above laboratory reporting limits
NA = Not Analyzed
* = proposed 2008 numeric criteria for additional polluting substances not established in 2013 RSRs
** = hexavalent chromium criteria
-- = criteria does not apply
Shade/Bold = Exceeds Numeric Criteria

Table 3
Groundwater Analytical Results
Rehabilitation of ConnDOT Maintenance Facility
Pomfret, Connecticut
BL Companies Project No. 14EC0016

Parameters	Criteria		Concentration of Compound in Sample		
	Surface Water Discharge MCL	Sanitary Discharge MCL	B-6/GW 4/16/2015	Field Blank 4/16/2015	Trip Blank 4/16/2015
TPH (mg/L)	5	100	ND	ND	NA
VOCs (µg/L)	10	500	ND	ND	ND
SVOCs (µg/L)	5	500	ND	ND	NA
Total Metals (mg/L)					
Barium	NE	5	0.189	ND	NA
Chromium	0.342	1	0.002	ND	NA
Lead	0.0098	0.1	ND	ND	NA
Zinc	0.322	1	0.005	0.015	NA
Dissolved Metals (mg/L)					
Barium	NE	5	0.198	ND	NA
Lead	0.0098	0.1	ND	ND	NA
Zinc	0.322	1	0.003	0.014	NA

Surface Water Discharge MCL = maximum concentration limits listed in the DEEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated March 10, 2015.
Sanitary Discharge MCL = maximum concentration limits listed in the DEEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to a Sanitary Sewer, dated February 15, 2008.
mg/L = milligrams per liter = parts per million
µg/L = micrograms per liter = parts per billion
ND = Not Detected above the Laboratory Reporting Limit
NE = None Established
Shade/Bold = Exceeds Numeric Criteria

APPENDIX C

BORING LOGS

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BORING LOG

Boring No.: B-1

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			ASPHALT				
			Light brown fine to medium SAND, some fine rounded Gravel.				Sample collected at 0-2' bgs.
	48		Black fine to coarse SAND, some fine rounded Gravel.		0.0		
			Tan/brown SILTY SAND, some fine rounded Gravel.				
5	50		Brown/tan fine to medium SAND, some fine to coarse rounded Gravel.		0.0		
10			End of Exploration.				
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.: B-2

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			GRASS				
	42		Tan/gray SILTY SAND.		0.0		Sample collected at 0-2' bgs.
5	39		Tan/gray SILTY SAND, trace fine to coarse rounded Gravel.		0.0		Sample collected at 4-6' bgs.
10			End of Exploration.				
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.: B-3

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			GRASS				
			Dark brown SILTY SAND.	■			Sample collected at 0-2' bgs.
			Tan/brown fine SAND, some fine angular Gravel.	■			
	50		Brown/gray SILTY SAND, trace organics.		0.0		
				■			Sample collected at 4-6' bgs.
5			Tan/gray SILTY SAND.	■			
	52				0.0		
10			End of Exploration.				
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.: B-4

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	48		ASPHALT Brown/tan fine SAND, some Silt and fine to coarse angular Gravel.		0.0		
5	58		Brown fine to medium SAND, trace fine to coarse rounded Gravel.		0.0		
10	60		Brown fine to medium SAND, some fine to coarse rounded Gravel. Saturated at 13' bgs.	■	0.0		Sample collected at 11-13' bgs.
15			End of Exploration.				
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.: B-5

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	40		ASPHALT Brown/tan SILTY SAND, trace fine to coarse angular Gravel.		0.0		Sample collected at 0-2' bgs. Sample collected at 2-4' bgs.
			Refusal at 4.5' bgs.				
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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BORING LOG

Boring No.: B-6

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			ASPHALT				
	34		Brown/tan fine SAND, some Silt and fine to coarse angular gravel.	■	0.0		Sample collected at 0-2' bgs.
5	52		Brown fine to medium SAND, some fine to coarse rounded Gravel. Saturated at 13' bgs.		0.0		1" temporary well; 10' of prepacked screen and #1 Sand from 7'-17' bgs
10	60			■	0.0		Sample collected at 11-13' bgs
15							Bottom of temporary well at 17' bgs
			Temporary monitoring well set at 17' bgs, removed after sampling.				
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.: B-7

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	60		Black/brown SILTY SAND, some Mulch and organic material.		0.0		Sample collected at 0-2' bgs.
			Tan/brown SILTY SAND, trace fine rounded Gravel.				Sample collected at 2-4' bgs.
5			End of Exploration.				
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.: B-8

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	42		ASPHALT Light brown/tan SILTY SAND, trace coarse rounded Gravel.	■	0.0		Sample collected at 0-2' bgs.
5			Light brown fine SAND				
	54		Tan/gray fine SAND, some Silt, trace fine to coarse rounded gravel.		0.0		
10	40			■	0.0		Sample collected at 11-13' bgs.
			Refusal 13' bgs.				
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.: B-9

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			ASPHALT				
			Process GRAVEL.				
	41		Brown/tan fine SAND, trace fine to coarse rounded Gravel.		0.0		Sample collected at 0-2' bgs.
5			Dark brown SILTY SAND.				
	54		Tan/orange SILTY SAND, some fine to coarse rounded Gravel. Saturated at 13' bgs.		0.0		
10							
	51				0.0		Sample collected at 11-13' bgs.
15			End of Exploration.				
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.: B-10

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
	46		Brown/tan fine SAND, some Silt and fine to coarse angular gravel.		0.0		Sample collected at 0-2' bgs. Sample collected at 2-4' bgs.
5	52				0.0		
10			End of Exploration.				
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.: B-11

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			ASPHALT fragments				
	38		Gray fine SAND, some fine to coarse rounded Gravel.	■	0.0		Sample collected at 1-3' bgs.
			Brown fine to coarse SAND, some fine rounded Gravel.	■			Sample collected at 4-6' bgs.
5	49		Brown/gray fine to coarse SAND, some fine to coarse rounded Gravel.	■	0.0		
10			End of Exploration.				
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

Architecture
Engineering
Environmental Science
Land Surveying

BORING LOG

Boring No.: B-12

Project No.:	14EC0016	Boring Co.:	CEI
Site Name:	ConnDOT Maintenance Facility	Drill Rig:	Geotech 7822DT
Date:	4/16/2015	Drill Method:	Direct Push
Logged by:	Doug Miller	Driller:	Bob Miller
Weather:	Sunny 60s	Borehole Dia:	2 Inches

Depth (ft)	Recovery (in)	Graphic Log	Description	Sample	PID	Completion Diagram	Remarks
			GRASS				
	38		Brown/tan SILTY SAND, trace organics and fine rounded Gravel.	■	0.0		Sample collected at 1-3' bgs.
			Peastone GRAVEL.				
5	49		Brown/tan fine SAND, some Silt.	■	0.0		Sample collected at 5-7' bgs.
10			End of Exploration.				
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 REPORT

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 29, 2015

Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Project ID: 14EC0016
Sample ID#s: BJ03972 - BJ03994, BJ03996 - BJ03999

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, 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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	10:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03972

Project ID: 14EC0016
Client ID: B-1 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	5.3	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	28.0	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.37	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	22.5	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	30.3	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.5	1.5	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.24	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	0.100	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	95		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-1 (0-2)

Phoenix I.D.: BJ03972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	770	260	mg/Kg	5	04/19/15	JRB	CTETPH 8015D
Identification	**		mg/Kg	5	04/19/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	76		%	5	04/19/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	10	04/18/15	AW	30 - 150 %
% TCMX	97		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDE	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDT	ND	100	ug/Kg	20	04/23/15	CE	SW8081B
a-BHC	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Alachlor	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Aldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
b-BHC	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Chlordane	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
d-BHC	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Dieldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan I	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan II	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan sulfate	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Endrin	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Endrin aldehyde	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Endrin ketone	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
g-BHC	ND	14	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor epoxide	ND	70	ug/Kg	20	04/23/15	CE	SW8081B
Methoxychlor	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
Toxaphene	ND	1400	ug/Kg	20	04/23/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	20	04/23/15	CE	30 - 150 %
% TCMX	Diluted Out		%	20	04/23/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-1 (0-2)

Phoenix I.D.: BJ03972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.1	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloropropene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichloropropane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
2,2-Dichloropropane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
2-Chlorotoluene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
2-Hexanone	ND	17	ug/Kg	1	04/20/15	JLI	SW8260C
2-Isopropyltoluene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
4-Chlorotoluene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	ug/Kg	1	04/20/15	JLI	SW8260C
Acetone	ND	21	ug/Kg	1	04/20/15	JLI	SW8260C
Acrylonitrile	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Benzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromochloromethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromodichloromethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromoform	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromomethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon Disulfide	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon tetrachloride	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chlorobenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroform	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloromethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromochloromethane	ND	2.1	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromomethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Ethylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Hexachlorobutadiene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Isopropylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
m&p-Xylene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	21	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.9	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-1 (0-2)

Phoenix I.D.: BJ03972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Naphthalene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
n-Butylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
n-Propylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
o-Xylene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
p-Isopropyltoluene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
sec-Butylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Styrene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
tert-Butylbenzene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrachloroethene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	6.9	ug/Kg	1	04/20/15	JLI	SW8260C
Toluene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Total Xylenes	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	6.9	ug/Kg	1	04/20/15	JLI	SW8260C
Trichloroethene	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
Vinyl chloride	ND	3.5	ug/Kg	1	04/20/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	04/20/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/20/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
1,2-Dichlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
1,3-Dichlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
1,4-Dichlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,4-Dichlorophenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,4-Dimethylphenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,4-Dinitrophenol	ND	2800	ug/Kg	5	04/20/15	DD	SW8270D
2,4-Dinitrotoluene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2,6-Dinitrotoluene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2-Chloronaphthalene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2-Chlorophenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2-Methylnaphthalene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
2-Nitroaniline	ND	2800	ug/Kg	5	04/20/15	DD	SW8270D
2-Nitrophenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
3-Nitroaniline	ND	2800	ug/Kg	5	04/20/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	5000	ug/Kg	5	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-1 (0-2)

Phoenix I.D.: BJ03972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
4-Chloroaniline	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
4-Nitroaniline	ND	2800	ug/Kg	5	04/20/15	DD	SW8270D
4-Nitrophenol	ND	5000	ug/Kg	5	04/20/15	DD	SW8270D
Acenaphthene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Acenaphthylene	6800	1200	ug/Kg	5	04/20/15	DD	SW8270D
Acetophenone	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Aniline	ND	5000	ug/Kg	5	04/20/15	DD	SW8270D
Anthracene	2300	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benz(a)anthracene	10000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzidine	ND	2100	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(a)pyrene	13000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(b)fluoranthene	13000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(ghi)perylene	9000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(k)fluoranthene	4400	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzoic acid	ND	5000	ug/Kg	5	04/20/15	DD	SW8270D
Benzyl butyl phthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Carbazole	ND	2600	ug/Kg	5	04/20/15	DD	SW8270D
Chrysene	15000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Dibenzofuran	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Diethyl phthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Dimethylphthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Di-n-butylphthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Di-n-octylphthalate	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Fluoranthene	12000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Fluorene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Hexachlorobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Hexachlorobutadiene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Hexachloroethane	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	6600	1200	ug/Kg	5	04/20/15	DD	SW8270D
Isophorone	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Naphthalene	2500	1200	ug/Kg	5	04/20/15	DD	SW8270D
Nitrobenzene	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
N-Nitrosodimethylamine	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
Pentachloronitrobenzene	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
Pentachlorophenol	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
Phenanthrene	6800	1200	ug/Kg	5	04/20/15	DD	SW8270D
Phenol	ND	1200	ug/Kg	5	04/20/15	DD	SW8270D
Pyrene	18000	1200	ug/Kg	5	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-1 (0-2)

Phoenix I.D.: BJ03972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	1700	ug/Kg	5	04/20/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	5	04/20/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	5	04/20/15	DD	30 - 130 %
% 2-Fluorophenol	65		%	5	04/20/15	DD	30 - 130 %
% Nitrobenzene-d5	65		%	5	04/20/15	DD	30 - 130 %
% Phenol-d5	67		%	5	04/20/15	DD	30 - 130 %
% Terphenyl-d14	64		%	5	04/20/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C18 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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.

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.

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
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	10:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03973

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	6.0	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	36.4	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	21.0	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	19.1	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.22	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	0.092	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	93		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Phoenix I.D.: BJ03973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	430	110	mg/Kg	2	04/20/15	JRB	CTETPH 8015D
Identification	**		mg/Kg	2	04/20/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	53		%	2	04/20/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	107		%	10	04/18/15	AW	30 - 150 %
% TCMX	106		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDE	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDT	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
a-BHC	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Alachlor	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Aldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
b-BHC	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Chlordane	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
d-BHC	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Dieldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan I	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan II	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan sulfate	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Endrin	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Endrin aldehyde	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Endrin ketone	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
g-BHC	ND	14	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor epoxide	ND	71	ug/Kg	20	04/23/15	CE	SW8081B
Methoxychlor	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
Toxaphene	ND	1400	ug/Kg	20	04/23/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	20	04/23/15	CE	30 - 150 %
% TCMX	Diluted Out		%	20	04/23/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Phoenix I.D.: BJ03973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	04/20/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	04/20/15	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	04/20/15	JLI	SW8260C
Acrylonitrile	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromochloromethane	ND	2.9	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Isopropylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Phoenix I.D.: BJ03973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	ug/Kg	1	04/20/15	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	ug/Kg	1	04/20/15	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	04/20/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	04/20/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/20/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	600	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Phoenix I.D.: BJ03973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	3700	250	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	1600	250	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	6500	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzidine	ND	430	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	7700	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(b)fluoranthene	8700	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(ghi)perylene	2600	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	4100	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	530	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	9200	1200	ug/Kg	5	04/20/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	7000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Fluorene	380	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	2300	250	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	1700	250	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	4500	1200	ug/Kg	5	04/20/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	9900	1200	ug/Kg	5	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-1 (0-2) DUP

Phoenix I.D.: BJ03973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	109		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	92		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	84		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	83		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	89		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	86		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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.

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
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	10:00
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03974

Project ID: 14EC0016
Client ID: B-2 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	4.0	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	27.8	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	13.2	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	9.48	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.26	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	87		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-2 (0-2)

Phoenix I.D.: BJ03974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	04/18/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/18/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	82		%	1	04/18/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	109		%	10	04/18/15	AW	30 - 150 %
% TCMX	109		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	105		%	2	04/19/15	CE	30 - 150 %
% TCMX	82		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-2 (0-2)

Phoenix I.D.: BJ03974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	1	04/20/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
2-Chlorotoluene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
2-Hexanone	ND	22	ug/Kg	1	04/20/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
4-Chlorotoluene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/Kg	1	04/20/15	JLI	SW8260C
Acetone	ND	27	ug/Kg	1	04/20/15	JLI	SW8260C
Acrylonitrile	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Benzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromochloromethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromodichloromethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromoform	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Bromomethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon Disulfide	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Carbon tetrachloride	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chlorobenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloroform	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Chloromethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromochloromethane	ND	2.7	ug/Kg	1	04/20/15	JLI	SW8260C
Dibromomethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Ethylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Isopropylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
m&p-Xylene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	ug/Kg	1	04/20/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.0	ug/Kg	1	04/20/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-2 (0-2)

Phoenix I.D.: BJ03974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Naphthalene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
n-Butylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
n-Propylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
o-Xylene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
sec-Butylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Styrene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
tert-Butylbenzene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrachloroethene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.0	ug/Kg	1	04/20/15	JLI	SW8260C
Toluene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Total Xylenes	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.0	ug/Kg	1	04/20/15	JLI	SW8260C
Trichloroethene	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
Vinyl chloride	ND	4.5	ug/Kg	1	04/20/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/20/15	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	04/20/15	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	04/20/15	JLI	70 - 130 %
% Toluene-d8	95		%	1	04/20/15	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-2 (0-2)

Phoenix I.D.: BJ03974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-2 (0-2)

Phoenix I.D.: BJ03974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	98		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	77		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	82		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	88		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	10:05
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03975

Project ID: 14EC0016
Client ID: B-2 (4-6)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	6.7	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	43.5	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	27.5	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	8.74	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.17	0.01	mg/L	1	04/20/15	EK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	85		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-2 (4-6)

Phoenix I.D.: BJ03975

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	04/18/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/18/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	88		%	1	04/18/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1221	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1232	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1242	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1248	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1254	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1260	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1262	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
PCB-1268	ND	390	ug/Kg	10	04/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	111		%	10	04/21/15	AW	30 - 150 %
% TCMX	109		%	10	04/21/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.9	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	39	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	15	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.6	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	39	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	160	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	84		%	2	04/19/15	CE	30 - 150 %
% TCMX	87		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-2 (4-6)

Phoenix I.D.: BJ03975

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	32	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	32	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	38	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	38	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	610	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	610	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	610	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-2 (4-6)

Phoenix I.D.: BJ03975

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	460	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-2 (4-6)

Phoenix I.D.: BJ03975

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	65		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	66		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	61		%	1	04/18/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

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.

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
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	9:40
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03976

Project ID: 14EC0016
Client ID: B-3 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	16.1	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	55.4	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	51.6	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	6.58	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.30	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	92		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-3 (0-2)

Phoenix I.D.: BJ03976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	04/18/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/18/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	85		%	1	04/18/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	120		%	10	04/18/15	AW	30 - 150 %
% TCMX	113		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.5	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	35	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	35	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	87		%	2	04/19/15	CE	30 - 150 %
% TCMX	94		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-3 (0-2)

Phoenix I.D.: BJ03976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	1.7	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	14	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	14	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	17	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	1.7	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	17	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.8	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-3 (0-2)

Phoenix I.D.: BJ03976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	5.8	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	5.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	2.9	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	112		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	100		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-3 (0-2)

Phoenix I.D.: BJ03976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	420	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	530	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-3 (0-2)

Phoenix I.D.: BJ03976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	87		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	80		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	85		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	88		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	9:45
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03977

Project ID: 14EC0016
Client ID: B-3 (4-6)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	13.2	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	164	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	84.0	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	9.63	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.58	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	88		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/17/15	JC	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-3 (4-6)

Phoenix I.D.: BJ03977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	04/18/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/18/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	58		%	1	04/18/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	118		%	10	04/18/15	AW	30 - 150 %
% TCMX	110		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	81		%	2	04/19/15	CE	30 - 150 %
% TCMX	84		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-3 (4-6)

Phoenix I.D.: BJ03977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	22	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	26	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	2.6	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.6	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-3 (4-6)

Phoenix I.D.: BJ03977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.6	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.6	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	4.3	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-3 (4-6)

Phoenix I.D.: BJ03977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-3 (4-6)

Phoenix I.D.: BJ03977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	80		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	74		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	84		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	85		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	13:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03978

Project ID: 14EC0016
Client ID: B-4 (11-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	5.5	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	77.6	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	34.2	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	4.31	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.56	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	85		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-4 (11-13)

Phoenix I.D.: BJ03978

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	88		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	90		%	10	04/18/15	AW	30 - 150 %
% TCMX	101		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	83		%	2	04/19/15	CE	30 - 150 %
% TCMX	89		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-4 (11-13)

Phoenix I.D.: BJ03978

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	23	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	28	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	2.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.2	ug/Kg	1	04/21/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.2	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.2	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	4.6	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	620	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	620	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	620	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-4 (11-13)

Phoenix I.D.: BJ03978

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	460	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	340	270	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	580	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-4 (11-13)

Phoenix I.D.: BJ03978

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	390	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	99		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	82		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	80		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	76		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	83		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	91		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	11:05
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03979

Project ID: 14EC0016
Client ID: B-5 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	14.7	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	48.0	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	33.1	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.70	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.40	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	92		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-5 (0-2)

Phoenix I.D.: BJ03979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	88		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	102		%	10	04/18/15	AW	30 - 150 %
% TCMX	107		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	80		%	2	04/19/15	CE	30 - 150 %
% TCMX	90		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-5 (0-2)

Phoenix I.D.: BJ03979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	22	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	26	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	2.6	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.8	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-5 (0-2)

Phoenix I.D.: BJ03979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.8	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	4.4	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-5 (0-2)

Phoenix I.D.: BJ03979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	430	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	770	250	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	530	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-5 (0-2)

Phoenix I.D.: BJ03979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	102		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	90		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	86		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	83		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	89		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	90		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	11:16
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03980

Project ID: 14EC0016
Client ID: B-5 (2-4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	13.9	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	45.9	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.37	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	70.5	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	3.93	0.37	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.5	1.5	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.25	0.01	mg/L	1	04/20/15	EK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	94		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-5 (2-4)

Phoenix I.D.: BJ03980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	53	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	87		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	105		%	10	04/18/15	AW	30 - 150 %
% TCMX	107		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.5	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	35	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	35	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	78		%	2	04/19/15	CE	30 - 150 %
% TCMX	85		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-5 (2-4)

Phoenix I.D.: BJ03980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.3	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	19	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	19	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	23	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	2.3	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	23	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.7	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-5 (2-4)

Phoenix I.D.: BJ03980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.7	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.7	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	3.8	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-5 (2-4)

Phoenix I.D.: BJ03980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	420	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	520	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-5 (2-4)

Phoenix I.D.: BJ03980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	78		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	71		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	76		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	93		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	11:20
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03981

Project ID: 14EC0016
Client ID: B-6 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	11.7	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	20.5	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.39	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	22.3	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.70	0.39	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.09	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	88		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-6 (0-2)

Phoenix I.D.: BJ03981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	87		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	85		%	10	04/18/15	AW	30 - 150 %
% TCMX	101		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	63		%	2	04/19/15	CE	30 - 150 %
% TCMX	81		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-6 (0-2)

Phoenix I.D.: BJ03981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	32	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	32	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	39	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	3.9	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	39	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-6 (0-2)

Phoenix I.D.: BJ03981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	6.4	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-6 (0-2)

Phoenix I.D.: BJ03981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-6 (0-2)

Phoenix I.D.: BJ03981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	85		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	80		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	73		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	79		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	90		%	1	04/18/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	11:25
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03982

Project ID: 14EC0016
Client ID: B-6 (11-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	12.9	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	46.5	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	33.5	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	4.35	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.38	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	92		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-6 (11-13)

Phoenix I.D.: BJ03982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	85		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	110		%	10	04/18/15	AW	30 - 150 %
% TCMX	113		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	75		%	2	04/19/15	CE	30 - 150 %
% TCMX	83		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-6 (11-13)

Phoenix I.D.: BJ03982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.4	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	20	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	24	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	2.4	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.9	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-6 (11-13)

Phoenix I.D.: BJ03982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.9	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	4.0	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-6 (11-13)

Phoenix I.D.: BJ03982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	430	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	1100	250	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	540	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-6 (11-13)

Phoenix I.D.: BJ03982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	360	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	99		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	78		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	68		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	68		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	76		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	94		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	13:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03983

Project ID: 14EC0016
Client ID: B-7 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.49	0.49	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	8.3	1.0	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	78.7	0.49	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.49	0.49	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	32.3	0.49	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.04	0.04	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	176	4.9	mg/Kg	10	04/21/15	EK	SW6010C	
Selenium	< 2.0	2.0	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.27	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	0.029	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	69		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-7 (0-2)

Phoenix I.D.: BJ03983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	740	72	mg/Kg	1	04/23/15	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	04/23/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	63		%	1	04/23/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1221	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1232	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1242	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1248	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1254	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1260	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1262	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
PCB-1268	ND	470	ug/Kg	10	04/20/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	88		%	10	04/20/15	AW	30 - 150 %
% TCMX	92		%	10	04/20/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	6700	940	ug/Kg	200	04/23/15	CE	SW8081B
4,4' -DDE	2000	940	ug/Kg	200	04/23/15	CE	SW8081B
4,4' -DDT	3800	940	ug/Kg	200	04/23/15	CE	SW8081B
a-BHC	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Alachlor	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Aldrin	ND	470	ug/Kg	200	04/23/15	CE	SW8081B
b-BHC	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Chlordane	ND	4700	ug/Kg	200	04/23/15	CE	SW8081B
d-BHC	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Dieldrin	1400	470	ug/Kg	200	04/23/15	CE	SW8081B
Endosulfan I	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Endosulfan II	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Endosulfan sulfate	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Endrin	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Endrin aldehyde	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Endrin ketone	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
g-BHC	ND	190	ug/Kg	200	04/23/15	CE	SW8081B
Heptachlor	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Heptachlor epoxide	ND	940	ug/Kg	200	04/23/15	CE	SW8081B
Methoxychlor	ND	4700	ug/Kg	200	04/23/15	CE	SW8081B
Toxaphene	ND	19000	ug/Kg	200	04/23/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	200	04/23/15	CE	30 - 150 %
% TCMX	Diluted Out		%	200	04/23/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-7 (0-2)

Phoenix I.D.: BJ03983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	7.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
2-Hexanone	ND	39	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	39	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	200	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
Bromochloromethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	4.7	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
m&p-Xylene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	60	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-7 (0-2)

Phoenix I.D.: BJ03983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
o-Xylene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
Styrene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	360	ug/Kg	45	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	720	ug/Kg	45	04/21/15	JLI	SW8260C
Trichloroethene	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	7.8	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	45	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	45	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	94		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	770	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	770	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	770	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1400	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-7 (0-2)

Phoenix I.D.: BJ03983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	770	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1400	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	1100	340	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1400	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	910	340	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	5000	340	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	580	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	5200	340	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	6400	680	ug/Kg	2	04/20/15	DD	SW8270D
Benzo(ghi)perylene	2000	340	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	2600	340	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1400	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	720	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	6000	340	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	8100	680	ug/Kg	2	04/20/15	DD	SW8270D
Fluorene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	1800	340	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	3800	340	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	340	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	7800	680	ug/Kg	2	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-7 (0-2)

Phoenix I.D.: BJ03983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	480	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	95		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	78		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	76		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	80		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	81		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	79		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	13:35
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03984

Project ID: 14EC0016
Client ID: B-7 (2-4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	11.5	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	47.3	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	30.0	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.77	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.21	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	86		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-7 (2-4)

Phoenix I.D.: BJ03984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	81		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1221	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1232	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1242	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1248	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1254	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1260	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1262	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
PCB-1268	ND	940	ug/Kg	50	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	50	04/18/15	AW	30 - 150 %
% TCMX	Diluted Out		%	50	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	3600	750	ug/Kg	200	04/21/15	CE	SW8081B
4,4' -DDE	4400	750	ug/Kg	200	04/21/15	CE	SW8081B
4,4' -DDT	4100	750	ug/Kg	200	04/21/15	CE	SW8081B
a-BHC	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Alachlor	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Aldrin	ND	380	ug/Kg	200	04/21/15	CE	SW8081B
b-BHC	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Chlordane	ND	3800	ug/Kg	200	04/21/15	CE	SW8081B
d-BHC	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Dieldrin	1200	380	ug/Kg	200	04/21/15	CE	SW8081B
Endosulfan I	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Endosulfan II	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Endosulfan sulfate	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Endrin	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Endrin aldehyde	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Endrin ketone	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
g-BHC	ND	150	ug/Kg	200	04/21/15	CE	SW8081B
Heptachlor	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Heptachlor epoxide	ND	750	ug/Kg	200	04/21/15	CE	SW8081B
Methoxychlor	ND	3800	ug/Kg	200	04/21/15	CE	SW8081B
Toxaphene	ND	15000	ug/Kg	200	04/21/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	200	04/21/15	CE	30 - 150 %
% TCMX	Diluted Out		%	200	04/21/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-7 (2-4)

Phoenix I.D.: BJ03984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	1	04/21/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
2-Chlorotoluene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
2-Hexanone	ND	25	ug/Kg	1	04/21/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
4-Chlorotoluene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/Kg	1	04/21/15	JLI	SW8260C
Acetone	ND	30	ug/Kg	1	04/21/15	JLI	SW8260C
Acrylonitrile	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Benzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromochloromethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromodichloromethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromoform	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Bromomethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon Disulfide	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Carbon tetrachloride	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chlorobenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloroform	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Chloromethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromochloromethane	ND	3.0	ug/Kg	1	04/21/15	JLI	SW8260C
Dibromomethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Ethylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Isopropylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
m&p-Xylene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	04/21/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.9	ug/Kg	1	04/21/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-7 (2-4)

Phoenix I.D.: BJ03984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Naphthalene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
n-Butylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
n-Propylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
o-Xylene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
sec-Butylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Styrene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
tert-Butylbenzene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrachloroethene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.9	ug/Kg	1	04/21/15	JLI	SW8260C
Toluene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Total Xylenes	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichloroethene	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
Vinyl chloride	ND	4.9	ug/Kg	1	04/21/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/21/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/21/15	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	04/21/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/21/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-7 (2-4)

Phoenix I.D.: BJ03984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	460	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	580	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-7 (2-4)

Phoenix I.D.: BJ03984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	106		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	60		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	70		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	48		%	1	04/19/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	12:40
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03985

Project ID: 14EC0016
Client ID: B-8 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	8.7	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	21.3	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	24.5	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.08	0.35	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.07	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	85		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/22/15	JJ/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-8 (0-2)

Phoenix I.D.: BJ03985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	58	mg/Kg	1	04/23/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/23/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	76		%	1	04/23/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	390	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	108		%	10	04/18/15	AW	30 - 150 %
% TCMX	113		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.9	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	39	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.7	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	39	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	80		%	2	04/19/15	CE	30 - 150 %
% TCMX	87		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-8 (0-2)

Phoenix I.D.: BJ03985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	23	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	28	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.8	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.2	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-8 (0-2)

Phoenix I.D.: BJ03985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.2	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.2	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	4.6	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	109		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	620	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	620	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	620	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-8 (0-2)

Phoenix I.D.: BJ03985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	620	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	460	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	580	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-8 (0-2)

Phoenix I.D.: BJ03985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	390	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	64		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	71		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	73		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	51		%	1	04/19/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	12:50
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03986

Project ID: 14EC0016
Client ID: B-8 (11-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	23.4	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	63.3	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	49.3	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	4.74	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.28	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	92		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-8 (11-13)

Phoenix I.D.: BJ03986

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	54	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	98		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	10	04/18/15	AW	30 - 150 %
% TCMX	111		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	87		%	2	04/19/15	CE	30 - 150 %
% TCMX	86		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-8 (11-13)

Phoenix I.D.: BJ03986

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	31	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	5.1	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-8 (11-13)

Phoenix I.D.: BJ03986

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	430	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	540	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	250	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-8 (11-13)

Phoenix I.D.: BJ03986

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	360	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	104		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	74		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	69		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	75		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	55		%	1	04/19/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	13:00
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03987

Project ID: 14EC0016
Client ID: B-9 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	7.6	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	24.3	0.38	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.38	0.38	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	20.3	0.38	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	3.98	0.38	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.5	1.5	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.12	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	86		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-9 (0-2)

Phoenix I.D.: BJ03987

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	91		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	10	04/18/15	AW	30 - 150 %
% TCMX	105		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	66		%	2	04/19/15	CE	30 - 150 %
% TCMX	80		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-9 (0-2)

Phoenix I.D.: BJ03987

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	36	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-9 (0-2)

Phoenix I.D.: BJ03987

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-9 (0-2)

Phoenix I.D.: BJ03987

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	460	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	580	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-9 (0-2)

Phoenix I.D.: BJ03987

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	102		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	68		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	77		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	75		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	52		%	1	04/19/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	13:10
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03988

Project ID: 14EC0016
Client ID: B-9 (11-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	10.5	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	145	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	46.7	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.39	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.65	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	87		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/22/15	JJ/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-9 (11-13)

Phoenix I.D.: BJ03988

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	04/23/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/23/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	79		%	1	04/23/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	103		%	10	04/18/15	AW	30 - 150 %
% TCMX	100		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	85		%	2	04/19/15	CE	30 - 150 %
% TCMX	89		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-9 (11-13)

Phoenix I.D.: BJ03988

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	21	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	21	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	25	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.5	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.3	ug/Kg	1	04/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.3	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.3	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	4.1	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-9 (11-13)

Phoenix I.D.: BJ03988

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	560	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-9 (11-13)

Phoenix I.D.: BJ03988

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	105		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	73		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	72		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	78		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	81		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	56		%	1	04/19/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	8:45
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03989

Project ID: 14EC0016
Client ID: B-10 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	11.5	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	47.3	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.40	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	36.4	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	5.62	0.40	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.18	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	87		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-10 (0-2)

Phoenix I.D.: BJ03989

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	84		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	83		%	10	04/18/15	AW	30 - 150 %
% TCMX	102		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	66		%	2	04/19/15	CE	30 - 150 %
% TCMX	80		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-10 (0-2)

Phoenix I.D.: BJ03989

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	24	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.9	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	ug/Kg	1	04/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.7	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.7	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	4.8	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/23/15	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-10 (0-2)

Phoenix I.D.: BJ03989

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	600	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-10 (0-2)

Phoenix I.D.: BJ03989

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	101		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	72		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	79		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	85		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	86		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	54		%	1	04/19/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	8:50
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03990

Project ID: 14EC0016
Client ID: B-10 (2-4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	8.7	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	99.9	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	52.5	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	3.95	0.34	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.44	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	89		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-10 (2-4)

Phoenix I.D.: BJ03990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	56	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	95		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	91		%	10	04/18/15	AW	30 - 150 %
% TCMX	95		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	69		%	2	04/19/15	CE	30 - 150 %
% TCMX	76		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-10 (2-4)

Phoenix I.D.: BJ03990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.2	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	18	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	18	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	22	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.2	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-10 (2-4)

Phoenix I.D.: BJ03990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/23/15	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	590	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	590	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	590	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-10 (2-4)

Phoenix I.D.: BJ03990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzidine	ND	440	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	560	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-10 (2-4)

Phoenix I.D.: BJ03990

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	98		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	75		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	85		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	83		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	51		%	1	04/19/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	8:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03991

Project ID: 14EC0016
Client ID: B-11 (1-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	20.4	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	53.8	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.36	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	24.8	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	21.0	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.31	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	0.062	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	88		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BJ/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-11 (1-3)

Phoenix I.D.: BJ03991

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	57	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	76		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	83		%	10	04/18/15	AW	30 - 150 %
% TCMX	93		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	30	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	15	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	69		%	2	04/19/15	CE	30 - 150 %
% TCMX	68		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-11 (1-3)

Phoenix I.D.: BJ03991

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
1,3-Dichloropropane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
2,2-Dichloropropane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
2-Hexanone	ND	23	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
4-Chlorotoluene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	27	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
Bromochloromethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.7	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
Isopropylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
m&p-Xylene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	27	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.1	ug/Kg	1	04/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
n-Butylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
n-Propylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
o-Xylene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
sec-Butylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
Styrene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	280	ug/Kg	56	04/25/15	JLI	SW8260C
Tetrachloroethene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.1	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	550	ug/Kg	56	04/25/15	JLI	SW8260C
Trichloroethene	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	4.5	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	56	04/25/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	56	04/25/15	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	96		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
1,3-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
1,4-Dichlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dichlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrophenol	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2,4-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2,6-Dinitrotoluene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chloronaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Chlorophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylnaphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
2-Nitrophenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
3-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-11 (1-3)

Phoenix I.D.: BJ03991

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chloroaniline	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitroaniline	ND	610	ug/Kg	1	04/19/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Acenaphthylene	1500	270	ug/Kg	1	04/19/15	DD	SW8270D
Acetophenone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Anthracene	1100	270	ug/Kg	1	04/19/15	DD	SW8270D
Benz(a)anthracene	5200	1300	ug/Kg	5	04/20/15	DD	SW8270D
Benzidine	ND	450	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(a)pyrene	5200	1300	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(b)fluoranthene	6600	1300	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(ghi)perylene	3300	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzo(k)fluoranthene	2500	270	ug/Kg	1	04/19/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/19/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Carbazole	ND	570	ug/Kg	1	04/19/15	DD	SW8270D
Chrysene	6600	1300	ug/Kg	5	04/20/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dibenzofuran	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Diethyl phthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Dimethylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-butylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Di-n-octylphthalate	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Fluoranthene	10000	1300	ug/Kg	5	04/20/15	DD	SW8270D
Fluorene	510	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	3100	270	ug/Kg	1	04/19/15	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachloronitrobenzene	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
Phenanthrene	5900	1300	ug/Kg	5	04/20/15	DD	SW8270D
Phenol	ND	270	ug/Kg	1	04/19/15	DD	SW8270D
Pyrene	11000	1300	ug/Kg	5	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-11 (1-3)

Phoenix I.D.: BJ03991

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	380	ug/Kg	1	04/19/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	117		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorobiphenyl	69		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	72		%	1	04/19/15	DD	30 - 130 %
% Nitrobenzene-d5	82		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	77		%	1	04/19/15	DD	30 - 130 %
% Terphenyl-d14	43		%	1	04/19/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

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.

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	8:35
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03992

Project ID: 14EC0016
Client ID: B-11 (4-6)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.33	0.33	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	3.5	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	18.1	0.33	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.33	0.33	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	11.9	0.33	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	155	3.3	mg/Kg	10	04/21/15	EK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.18	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	0.976	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	94		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BC/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG/LK	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-11 (4-6)

Phoenix I.D.: BJ03992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	950	260	mg/Kg	5	04/23/15	JRB	CTETPH 8015D
Identification	**		mg/Kg	5	04/23/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	101		%	5	04/23/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	350	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	115		%	10	04/18/15	AW	30 - 150 %
% TCMX	108		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDE	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
4,4' -DDT	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
a-BHC	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Alachlor	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Aldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
b-BHC	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Chlordane	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
d-BHC	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Dieldrin	ND	35	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan I	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan II	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Endosulfan sulfate	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Endrin	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Endrin aldehyde	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Endrin ketone	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
g-BHC	ND	14	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Heptachlor epoxide	ND	69	ug/Kg	20	04/23/15	CE	SW8081B
Methoxychlor	ND	350	ug/Kg	20	04/23/15	CE	SW8081B
Toxaphene	ND	1400	ug/Kg	20	04/23/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	20	04/23/15	CE	30 - 150 %
% TCMX	Diluted Out		%	20	04/23/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C

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Client ID: B-11 (4-6)

Phoenix I.D.: BJ03992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	2.2	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	18	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	18	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	22	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	2.2	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	22	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.3	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	3.7	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/23/15	JLI	70 - 130 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-11 (4-6)

Phoenix I.D.: BJ03992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	610	240	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	1700	240	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	2600	240	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	8000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzidine	ND	420	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	9600	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(b)fluoranthene	13000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzo(ghi)perylene	4700	240	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	4700	1200	ug/Kg	5	04/20/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	260	240	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	1600	520	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	10000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	480	240	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	24000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Fluorene	1300	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	4400	240	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	270	240	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	16000	1200	ug/Kg	5	04/20/15	DD	SW8270D
Phenol	ND	240	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	18000	1200	ug/Kg	5	04/20/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-11 (4-6)

Phoenix I.D.: BJ03992

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	86		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	80		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	78		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	83		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	78		%	1	04/18/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	9:15
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03993

Project ID: 14EC0016
Client ID: B-12 (0-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	12.4	0.8	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	40.2	0.41	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.41	0.41	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	26.3	0.41	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/21/15	RS	SW7471B	
Lead	7.99	0.41	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.28	0.01	mg/L	1	04/20/15	LK	SW6010C	B
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	88		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BC/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG/LK	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-12 (0-2)

Phoenix I.D.: BJ03993

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	170	56	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	83		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	380	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	82		%	10	04/18/15	AW	30 - 150 %
% TCMX	104		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
4,4' -DDE	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
4,4' -DDT	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
a-BHC	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Alachlor	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	04/23/15	CE	SW8081B
b-BHC	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	04/23/15	CE	SW8081B
d-BHC	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	04/23/15	CE	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Endrin	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	04/23/15	CE	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	04/23/15	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	04/23/15	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	04/23/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	72		%	2	04/23/15	CE	30 - 150 %
% TCMX	67		%	2	04/23/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-12 (0-2)

Phoenix I.D.: BJ03993

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
2-Chlorotoluene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
2-Hexanone	ND	25	ug/Kg	1	04/24/15	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
4-Chlorotoluene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	ug/Kg	1	04/24/15	JLI	SW8260C
Acetone	ND	30	ug/Kg	1	04/24/15	JLI	SW8260C
Acrylonitrile	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Benzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Bromobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Bromochloromethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Bromodichloromethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Bromoform	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Bromomethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Carbon Disulfide	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Carbon tetrachloride	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Chlorobenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Chloroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Chloroform	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Chloromethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Dibromochloromethane	ND	3.0	ug/Kg	1	04/24/15	JLI	SW8260C
Dibromomethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Ethylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Isopropylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
m&p-Xylene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	04/24/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	04/24/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-12 (0-2)

Phoenix I.D.: BJ03993

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Naphthalene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
n-Butylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
n-Propylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
o-Xylene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
sec-Butylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Styrene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
tert-Butylbenzene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Tetrachloroethene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	04/24/15	JLI	SW8260C
Toluene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Total Xylenes	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	04/24/15	JLI	SW8260C
Trichloroethene	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
Vinyl chloride	ND	5.0	ug/Kg	1	04/24/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	04/24/15	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/24/15	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	04/24/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/24/15	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	590	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	590	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	590	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-12 (0-2)

Phoenix I.D.: BJ03993

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	590	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	570	260	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	1200	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	440	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	960	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	1300	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	450	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	420	260	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1100	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	550	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	1200	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	2400	260	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	390	260	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	2200	260	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	260	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	2000	260	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-12 (0-2)

Phoenix I.D.: BJ03993

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	370	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	98		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	87		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	78		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	76		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	86		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	89		%	1	04/18/15	DD	30 - 130 %

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	9:20
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03994

Project ID: 14EC0016
Client ID: B-12 (5-7)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.36	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Arsenic	7.7	0.7	mg/Kg	1	04/18/15	LK	SW6010C	
Barium	16.5	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Cadmium	< 0.36	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Chromium	13.1	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	04/22/15	RS	SW7471B	
Lead	1.81	0.36	mg/Kg	1	04/18/15	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	04/18/15	LK	SW6010C	
TCLP Silver	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Arsenic	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Barium	0.16	0.01	mg/L	1	04/20/15	LK	SW6010C	B*
TCLP Cadmium	< 0.005	0.005	mg/L	1	04/20/15	EK	SW6010C	
TCLP Chromium	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A	
TCLP Lead	< 0.010	0.010	mg/L	1	04/20/15	EK	SW6010C	
TCLP Selenium	< 0.01	0.01	mg/L	1	04/20/15	LK	SW6010C	
TCLP Metals Digestion	Completed				04/20/15	I/I	SW3005A	
Percent Solid	92		%		04/17/15	I	SW846-%Solid	
Soil Extraction for PCB	Completed				04/17/15	BC	SW3545A	
Soil Extraction for Pesticide	Completed				04/17/15	BC/H	SW3545A	
Soil Extraction for SVOA	Completed				04/17/15	BC/VH	SW3545A	
Extraction of CT ETPH	Completed				04/20/15	BC/V	SW3545A	
Mercury Digestion	Completed				04/21/15	I/I	SW7471B	
TCLP Digestion Mercury	Completed				04/20/15	I/I	SW7470A	
TCLP Extraction for Metals	Completed				04/17/15	I	SW1311	
Total Metals Digest	Completed				04/17/15	CB/AG/LK	SW3050B	
Field Extraction	Completed				04/16/15		SW5035A	

Project ID: 14EC0016
Client ID: B-12 (5-7)

Phoenix I.D.: BJ03994

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	53	mg/Kg	1	04/21/15	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	04/21/15	JRB	CTETPH 8015D
QA/QC Surrogates							
% n-Pentacosane	82		%	1	04/21/15	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1221	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1232	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1242	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1248	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1254	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1260	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1262	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
PCB-1268	ND	360	ug/Kg	10	04/18/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	88		%	10	04/18/15	AW	30 - 150 %
% TCMX	104		%	10	04/18/15	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDE	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
4,4' -DDT	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
a-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Alachlor	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Aldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
b-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Chlordane	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
d-BHC	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
g-BHC	ND	1.4	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	04/19/15	CE	SW8081B
Methoxychlor	ND	36	ug/Kg	2	04/19/15	CE	SW8081B
Toxaphene	ND	140	ug/Kg	2	04/19/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	76		%	2	04/19/15	CE	30 - 150 %
% TCMX	83		%	2	04/19/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: B-12 (5-7)

Phoenix I.D.: BJ03994

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	3.9	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	32	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	32	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	39	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.9	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	39	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	04/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	6.5	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/23/15	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	97		%	1	04/23/15	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2,4-Trichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
1,3-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
1,4-Dichlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dichlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dimethylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrophenol	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2,4-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2,6-Dinitrotoluene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chloronaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Chlorophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylnaphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
2-Nitrophenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
3-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-12 (5-7)

Phoenix I.D.: BJ03994

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chloroaniline	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitroaniline	ND	570	ug/Kg	1	04/18/15	DD	SW8270D
4-Nitrophenol	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Acetophenone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Aniline	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzidine	ND	430	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	04/18/15	DD	SW8270D
Benzyl butyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Carbazole	ND	530	ug/Kg	1	04/18/15	DD	SW8270D
Chrysene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dibenzofuran	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Diethyl phthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Dimethylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-butylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Di-n-octylphthalate	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluoranthene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Fluorene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorobutadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Hexachloroethane	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Isophorone	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Naphthalene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Nitrobenzene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
Phenanthrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Phenol	ND	250	ug/Kg	1	04/18/15	DD	SW8270D
Pyrene	ND	250	ug/Kg	1	04/18/15	DD	SW8270D

Project ID: 14EC0016
Client ID: B-12 (5-7)

Phoenix I.D.: BJ03994

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	350	ug/Kg	1	04/18/15	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorobiphenyl	81		%	1	04/18/15	DD	30 - 130 %
% 2-Fluorophenol	74		%	1	04/18/15	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	04/18/15	DD	30 - 130 %
% Phenol-d5	78		%	1	04/18/15	DD	30 - 130 %
% Terphenyl-d14	85		%	1	04/18/15	DD	30 - 130 %

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/16/15	
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03996

Project ID: 14EC0016
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				04/16/15		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,1-Dichloropropene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,3-Dichloropropane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
2,2-Dichloropropane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
2-Chlorotoluene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
2-Hexanone	ND	25	ug/Kg	1	04/23/15	JLI	SW8260C
2-Isopropyltoluene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
4-Chlorotoluene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C

Project ID: 14EC0016
Client ID: TRIP BLANK LL

Phoenix I.D.: BJ03996

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	1	04/23/15	JLI	SW8260C
Acetone	ND	30	ug/Kg	1	04/23/15	JLI	SW8260C
Acrylonitrile	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Benzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Bromobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Bromochloromethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Bromodichloromethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Bromoform	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Bromomethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon Disulfide	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Carbon tetrachloride	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Chlorobenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Chloroform	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Chloromethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.0	ug/Kg	1	04/23/15	JLI	SW8260C
Dibromomethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Ethylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Hexachlorobutadiene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Isopropylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
m&p-Xylene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl Ethyl Ketone	ND	30	ug/Kg	1	04/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C
Methylene chloride	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Naphthalene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
n-Butylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
n-Propylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
o-Xylene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
p-Isopropyltoluene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
sec-Butylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Styrene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
tert-Butylbenzene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrachloroethene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C
Toluene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Total Xylenes	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	04/23/15	JLI	SW8260C
Trichloroethene	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
Vinyl chloride	ND	5.0	ug/Kg	1	04/23/15	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	1	04/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/23/15	JLI	70 - 130 %

Project ID: 14EC0016
Client ID: TRIP BLANK LL

Phoenix I.D.: BJ03996

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	98		%	1	04/23/15	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/23/15	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/16/15	12:30
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03997

Project ID: 14EC0016
Client ID: B-6GW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C
Arsenic	< 0.004	0.004	mg/L	1	04/20/15	LK	SW6010C
Barium	0.189	0.002	mg/L	1	04/18/15	LK	SW6010C
Cadmium	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C
Chromium	0.002	0.001	mg/L	1	04/20/15	LK	SW6010C
Copper	< 0.005	0.005	mg/L	1	04/18/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001	mg/L	1	04/18/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	04/20/15	LK	SW6010C
Barium (Dissolved)	0.198	0.002	mg/L	1	04/18/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	04/18/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005	mg/L	1	04/18/15	LK	SW6010C
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	04/21/15	RS	SW7470A
Lead (Dissolved)	< 0.002	0.002	mg/L	1	04/20/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002	mg/L	1	04/21/15	RS	E200.9/SM3113B-1
Zinc (Dissolved)	0.003	0.002	mg/L	1	04/20/15	LK	SW6010C
Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470A
Lead	< 0.002	0.002	mg/L	1	04/20/15	LK	SW6010C
Selenium	< 0.010	0.010	mg/L	1	04/20/15	LK	SW6010C
Zinc	0.005	0.002	mg/L	1	04/20/15	LK	SW6010C
O&G, Non-polar Material	< 1.4	1.4	mg/L	1	04/21/15	MA	E1664A
Mercury Dissolved Digestion	Completed				04/20/15	I/I	SW7470A
Mercury Digestion	Completed				04/20/15	I/I	SW7470A
Semi-Volatile Extraction	Completed				04/17/15	E/D/D	E625/SW3520C
Dissolved Metals Preparation	Completed				04/17/15	AG	
Total Metals Digestion	Completed				04/17/15	AG	SW3050B

Project ID: 14EC0016
Client ID: B-6GW

Phoenix I.D.: BJ03997

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,1,2,2-tetrachloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,1,2-Trichloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,1-Dichloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,1-Dichloroethene	ND	0.50	ug/L	1	04/21/15	HB	E624
1,2-Dichlorobenzene	ND	0.50	ug/L	1	04/21/15	HB	E624
1,2-Dichloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,2-Dichloropropane	ND	0.50	ug/L	1	04/21/15	HB	E624
1,3-Dichlorobenzene	ND	0.50	ug/L	1	04/21/15	HB	E624
1,4-Dichlorobenzene	ND	0.50	ug/L	1	04/21/15	HB	E624
Benzene	ND	0.50	ug/L	1	04/21/15	HB	E624
Bromodichloromethane	ND	0.50	ug/L	1	04/21/15	HB	E624
Bromoform	ND	0.50	ug/L	1	04/21/15	HB	E624
Bromomethane	ND	0.50	ug/L	1	04/21/15	HB	E624
Carbon tetrachloride	ND	0.50	ug/L	1	04/21/15	HB	E624
Chlorobenzene	ND	0.50	ug/L	1	04/21/15	HB	E624
Chloroethane	ND	0.50	ug/L	1	04/21/15	HB	E624
Chloroform	ND	0.50	ug/L	1	04/21/15	HB	E624
Chloromethane	ND	0.50	ug/L	1	04/21/15	HB	E624
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	04/21/15	HB	E624
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	04/21/15	HB	E624
Dibromochloromethane	ND	0.50	ug/L	1	04/21/15	HB	E624
Ethylbenzene	ND	0.50	ug/L	1	04/21/15	HB	E624
m&p-Xylene	ND	0.50	ug/L	1	04/21/15	HB	E624
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	1	04/21/15	HB	E624
Methylene chloride	ND	0.50	ug/L	1	04/21/15	HB	E624
o-Xylene	ND	0.50	ug/L	1	04/21/15	HB	E624
Tetrachloroethene	ND	0.50	ug/L	1	04/21/15	HB	E624
Toluene	ND	0.50	ug/L	1	04/21/15	HB	E624
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	04/21/15	HB	E624
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	04/21/15	HB	E624
Trichloroethene	ND	0.50	ug/L	1	04/21/15	HB	E624
Trichlorofluoromethane	ND	0.50	ug/L	1	04/21/15	HB	E624
Vinyl chloride	ND	0.50	ug/L	1	04/21/15	HB	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/21/15	HB	70 - 130 %
% Bromofluorobenzene	99		%	1	04/21/15	HB	70 - 130 %
% Dibromofluoromethane	105		%	1	04/21/15	HB	70 - 130 %
% Toluene-d8	101		%	1	04/21/15	HB	70 - 130 %
Semivolatiles by (SIM)							
Acenaphthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Acenaphthylene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(a)anthracene	ND	0.04	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(a)pyrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(b)fluoranthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(g,h,i)perylene	ND	3.0	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(k)fluoranthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM

Project ID: 14EC0016
Client ID: B-6GW

Phoenix I.D.: BJ03997

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	1	04/19/15	DD	E625/E625 SIM	
Chrysene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM	
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	04/19/15	DD	E625/E625 SIM	
Hexachlorobenzene	ND	0.06	ug/L	1	04/19/15	DD	E625/E625 SIM	
Hexachlorobutadiene	ND	0.60	ug/L	1	04/19/15	DD	E625/E625 SIM	
Hexachloroethane	ND	2.4	ug/L	1	04/19/15	DD	E625/E625 SIM	
Indeno(1,2,3-c,d)pyrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM	
Pentachlorophenol	ND	0.80	ug/L	1	04/19/15	DD	E625/E625 SIM	
Phenanthrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM	
Pyridine	ND	0.50	ug/L	1	04/19/15	DD	E625/E625 SIM	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	123		%	1	04/19/15	DD	15 - 110 %	3
% 2-Fluorobiphenyl	68		%	1	04/19/15	DD	30 - 130 %	
% 2-Fluorophenol	53		%	1	04/19/15	DD	15 - 110 %	
% Nitrobenzene-d5	69		%	1	04/19/15	DD	30 - 130 %	
% Phenol-d5	56		%	1	04/19/15	DD	15 - 110 %	
% Terphenyl-d14	99		%	1	04/19/15	DD	30 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,2-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,2-Diphenylhydrazine	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
1,3-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,4-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4,5-Trichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4,6-Trichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dimethylphenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dinitrophenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dinitrotoluene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2,6-Dichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,6-Dinitrotoluene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Chloronaphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Chlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Methylnaphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Methylphenol (o-cresol)	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Nitroaniline	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Nitrophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
3,3'-Dichlorobenzidine	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
3-Nitroaniline	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
4,6-Dinitro-2-methylphenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chloro-3-methylphenol	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chloroaniline	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Nitroaniline	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Nitrophenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
Anthracene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzidine	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM

Project ID: 14EC0016
Client ID: B-6GW

Phoenix I.D.: BJ03997

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzoic acid	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzyl alcohol	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzyl butyl phthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroethyl)ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Dibenzofuran	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Diethyl phthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Dimethylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Di-n-butylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Di-n-octylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Fluoranthene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Fluorene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Isophorone	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Naphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Nitrobenzene	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodimethylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Phenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
Pyrene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86		%	1	04/21/15	DD	15 - 110 %
% 2-Fluorobiphenyl	78		%	1	04/21/15	DD	30 - 130 %
% 2-Fluorophenol	49		%	1	04/21/15	DD	15 - 110 %
% Nitrobenzene-d5	66		%	1	04/21/15	DD	30 - 130 %
% Phenol-d5	54		%	1	04/21/15	DD	15 - 110 %
% Terphenyl-d14	118		%	1	04/21/15	DD	30 - 130 %

Project ID: 14EC0016
Client ID: B-6GW

Phoenix I.D.: BJ03997

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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.

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

Semi-Volatile Comment:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		04/16/15	
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03998

Project ID: 14EC0016
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1,2,2-tetrachloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1,2-Trichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1-Dichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichloropropane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,3-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,4-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Benzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromodichloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromoform	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromomethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Carbon tetrachloride	ND	0.50	ug/L	1	04/20/15	HB	E624
Chlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloroform	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	04/20/15	HB	E624
Dibromochloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Ethylbenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
m&p-Xylene	ND	0.50	ug/L	1	04/20/15	HB	E624
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	1	04/20/15	HB	E624
Methylene chloride	ND	0.50	ug/L	1	04/20/15	HB	E624

Project ID: 14EC0016
Client ID: TRIP BLANK

Phoenix I.D.: BJ03998

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.50	ug/L	1	04/20/15	HB	E624
Tetrachloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
Toluene	ND	0.50	ug/L	1	04/20/15	HB	E624
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	04/20/15	HB	E624
Trichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
Trichlorofluoromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Vinyl chloride	ND	0.50	ug/L	1	04/20/15	HB	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/20/15	HB	70 - 130 %
% Bromofluorobenzene	99		%	1	04/20/15	HB	70 - 130 %
% Dibromofluoromethane	105		%	1	04/20/15	HB	70 - 130 %
% Toluene-d8	102		%	1	04/20/15	HB	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED.

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 29, 2015

FOR: Mr. John Meyer
BL Companies, Inc.
355 Research Parkway
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		04/16/15	
Location Code:	BLCOMP-DAS	Received by:	LK	04/17/15	15:45
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBJ03972
Phoenix ID: BJ03999

Project ID: 14EC0016
Client ID: FIELD BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C/E200.7
Arsenic	< 0.004	0.004	mg/L	1	04/20/15	LK	SW6010C/E200.7
Barium	< 0.002	0.002	mg/L	1	04/20/15	LK	SW6010C/E200.7
Cadmium	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C/E200.7
Chromium	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C/E200.7
Copper	< 0.005	0.005	mg/L	1	04/20/15	LK	SW6010C/E200.7
Silver (Dissolved)	< 0.001	0.001	mg/L	1	04/18/15	LK	SW6010C/E200.7
Arsenic (Dissolved)	< 0.004	0.004	mg/L	1	04/20/15	LK	SW6010C/E200.7
Barium (Dissolved)	< 0.002	0.002	mg/L	1	04/18/15	LK	SW6010C/E200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	1	04/20/15	LK	SW6010C/E200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	1	04/18/15	LK	SW6010C/E200.7
Copper (Dissolved)	< 0.005	0.005	mg/L	1	04/18/15	LK	SW6010C/E200.7
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	1	04/21/15	RS	SW7470/E245.1
Lead (Dissolved)	< 0.002	0.002	mg/L	1	04/20/15	LK	SW6010C/E200.7
Selenium (Dissolved)	< 0.002	0.002	mg/L	1	04/21/15	RS	E200.9/SM3113B-1
Zinc (Dissolved)	0.014	0.002	mg/L	1	04/20/15	LK	SW6010C/E200.7
Mercury	< 0.0002	0.0002	mg/L	1	04/20/15	MA	SW7470/245.1
Lead	< 0.002	0.002	mg/L	1	04/20/15	LK	SW6010C/E200.7
Selenium	< 0.010	0.010	mg/L	1	04/20/15	LK	SW6010C/E200.7
Zinc	0.015	0.002	mg/L	1	04/20/15	LK	SW6010C/E200.7
O&G, Non-polar Material	< 1.4	1.4	mg/L	1	04/21/15	MA	E1664A
Mercury Dissolved Digestion	Completed				04/20/15	I/I	SW7470/245.1
Mercury Digestion	Completed				04/20/15	I/I	SW7470/245.1
Semi-Volatile Extraction	Completed				04/17/15	E/D/D	E625/SW3520C
Dissolved Metals Preparation	Completed				04/17/15	AG	SW3005A
Total Metals Digestion	Completed				04/17/15	AG	SW3050B

Project ID: 14EC0016
Client ID: FIELD BLANK

Phoenix I.D.: BJ03999

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1,2,2-tetrachloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1,2-Trichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1-Dichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,1-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,2-Dichloropropane	ND	0.50	ug/L	1	04/20/15	HB	E624
1,3-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
1,4-Dichlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Benzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromodichloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromoform	ND	0.50	ug/L	1	04/20/15	HB	E624
Bromomethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Carbon tetrachloride	ND	0.50	ug/L	1	04/20/15	HB	E624
Chlorobenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloroethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloroform	ND	0.50	ug/L	1	04/20/15	HB	E624
Chloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	04/20/15	HB	E624
Dibromochloromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Ethylbenzene	ND	0.50	ug/L	1	04/20/15	HB	E624
m&p-Xylene	ND	0.50	ug/L	1	04/20/15	HB	E624
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	1	04/20/15	HB	E624
Methylene chloride	ND	0.50	ug/L	1	04/20/15	HB	E624
o-Xylene	ND	0.50	ug/L	1	04/20/15	HB	E624
Tetrachloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
Toluene	ND	0.50	ug/L	1	04/20/15	HB	E624
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	04/20/15	HB	E624
Trichloroethene	ND	0.50	ug/L	1	04/20/15	HB	E624
Trichlorofluoromethane	ND	0.50	ug/L	1	04/20/15	HB	E624
Vinyl chloride	ND	0.50	ug/L	1	04/20/15	HB	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	1	04/20/15	HB	70 - 130 %
% Bromofluorobenzene	100		%	1	04/20/15	HB	70 - 130 %
% Dibromofluoromethane	105		%	1	04/20/15	HB	70 - 130 %
% Toluene-d8	101		%	1	04/20/15	HB	70 - 130 %
Semivolatiles by (SIM)							
Acenaphthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Acenaphthylene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(a)anthracene	ND	0.04	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(a)pyrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(b)fluoranthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(g,h,i)perylene	ND	3.0	ug/L	1	04/19/15	DD	E625/E625 SIM
Benzo(k)fluoranthene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM

Project ID: 14EC0016
Client ID: FIELD BLANK

Phoenix I.D.: BJ03999

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	1	04/19/15	DD	E625/E625 SIM
Chrysene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Dibenz(a,h)anthracene	ND	0.01	ug/L	1	04/19/15	DD	E625/E625 SIM
Hexachlorobenzene	ND	0.06	ug/L	1	04/19/15	DD	E625/E625 SIM
Hexachlorobutadiene	ND	0.60	ug/L	1	04/19/15	DD	E625/E625 SIM
Hexachloroethane	ND	2.4	ug/L	1	04/19/15	DD	E625/E625 SIM
Indeno(1,2,3-c,d)pyrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Pentachlorophenol	ND	0.80	ug/L	1	04/19/15	DD	E625/E625 SIM
Phenanthrene	ND	0.05	ug/L	1	04/19/15	DD	E625/E625 SIM
Pyridine	ND	0.50	ug/L	1	04/19/15	DD	E625/E625 SIM
QA/QC Surrogates							
% 2,4,6-Tribromophenol	105		%	1	04/19/15	DD	15 - 110 %
% 2-Fluorobiphenyl	65		%	1	04/19/15	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	04/19/15	DD	15 - 110 %
% Nitrobenzene-d5	82		%	1	04/19/15	DD	30 - 130 %
% Phenol-d5	56		%	1	04/19/15	DD	15 - 110 %
% Terphenyl-d14	123		%	1	04/19/15	DD	30 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,2-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,2-Diphenylhydrazine	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
1,3-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
1,4-Dichlorobenzene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4,5-Trichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4,6-Trichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dimethylphenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dinitrophenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
2,4-Dinitrotoluene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2,6-Dichlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2,6-Dinitrotoluene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Chloronaphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Chlorophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Methylnaphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Methylphenol (o-cresol)	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Nitroaniline	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
2-Nitrophenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
3,3'-Dichlorobenzidine	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
3-Nitroaniline	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
4,6-Dinitro-2-methylphenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chloro-3-methylphenol	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chloroaniline	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Nitroaniline	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
4-Nitrophenol	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
Anthracene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzidine	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM

Project ID: 14EC0016
Client ID: FIELD BLANK

Phoenix I.D.: BJ03999

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzoic acid	ND	50	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzyl alcohol	ND	20	ug/L	1	04/21/15	DD	E625/E625 SIM
Benzyl butyl phthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroethyl)ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Dibenzofuran	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Diethyl phthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Dimethylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Di-n-butylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Di-n-octylphthalate	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Fluoranthene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Fluorene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Hexachlorocyclopentadiene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Isophorone	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Naphthalene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Nitrobenzene	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodimethylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
N-Nitrosodiphenylamine	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
Phenol	ND	10	ug/L	1	04/21/15	DD	E625/E625 SIM
Pyrene	ND	5.0	ug/L	1	04/21/15	DD	E625/E625 SIM
QA/QC Surrogates							
% 2,4,6-Tribromophenol	83		%	1	04/21/15	DD	15 - 110 %
% 2-Fluorobiphenyl	76		%	1	04/21/15	DD	30 - 130 %
% 2-Fluorophenol	48		%	1	04/21/15	DD	15 - 110 %
% Nitrobenzene-d5	68		%	1	04/21/15	DD	30 - 130 %
% Phenol-d5	49		%	1	04/21/15	DD	15 - 110 %
% Terphenyl-d14	119		%	1	04/21/15	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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

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.

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 29, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBJ03972

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 305159 (mg/L), QC Sample No: BJ03281 (BJ03997, BJ03999)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	98.6	96.9	1.7	101	96.4	4.7	70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305291 (mg/kg), QC Sample No: BJ03427 (BJ03972, BJ03973)														
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	106	103	2.9	105	103	1.9	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305028 (mg/kg), QC Sample No: BJ03436 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977)														
ICP Metals - Soil														
Arsenic	BRL	0.70	3.8	1.84	NC	101	104	2.9	92.6	92.2	0.4	75 - 125	30	
Barium	BRL	0.35	19.4	19.0	2.10	96.6	94.3	2.4	97.2	95.2	2.1	75 - 125	30	
Cadmium	BRL	0.35	<0.43	<0.38	NC	114	102	11.1	96.1	96.6	0.5	75 - 125	30	
Chromium	BRL	0.35	12.3	11.3	8.50	105	103	1.9	102	101	1.0	75 - 125	30	
Lead	BRL	0.35	6.88	4.89	33.8	104	104	0.0	96.6	96.9	0.3	75 - 125	30	r
Selenium	BRL	1.4	<1.7	<1.5	NC	92.6	94.8	2.3	78.8	79.2	0.5	75 - 125	30	
Silver	BRL	0.35	<0.43	<0.38	NC	104	102	1.9	98.5	98.3	0.2	75 - 125	30	
QA/QC Batch 305043 (mg/L), QC Sample No: BJ03539 (BJ03997, BJ03999)														
ICP Metals - Aqueous														
Arsenic	BRL	0.004	<0.004	<0.004	NC	123	118	4.1	109	124	12.9	75 - 125	20	
Barium	BRL	0.002	0.007	0.006	NC	96.2	95.0	1.3	95.7	97.0	1.3	75 - 125	20	
Cadmium	BRL	0.001	<0.001	<0.001	NC	119	121	1.7	111	>130	NC	75 - 125	20	m
Chromium	BRL	0.001	0.146	0.165	12.2	111	109	1.8	113	112	0.9	75 - 125	20	
Copper	BRL	0.005	0.060	0.063	4.90	96.3	96.4	0.1	97.0	98.5	1.5	75 - 125	20	
Lead	BRL	0.002	0.006	0.005	NC	117	121	3.4	109	122	11.3	75 - 125	20	
Selenium	BRL	0.010	<0.010	<0.010	NC	119	117	1.7	110	101	8.5	75 - 125	20	
Silver	BRL	0.001	<0.001	<0.001	NC	90.6	96.7	6.5	92.5	94.8	2.5	75 - 125	20	
Zinc	BRL	0.002	0.007	0.008	NC	112	108	3.6	116	114	1.7	75 - 125	20	
QA/QC Batch 305029 (mg/kg), QC Sample No: BJ03547 (BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991)														
ICP Metals - Soil														
Arsenic	BRL	0.65	1.6	1.95	NC	95.0	97.0	2.1	91.6	90.7	1.0	75 - 125	30	
Barium	BRL	0.32	37.8	37.6	0.50	87.7	91.4	4.1	99.0	92.3	7.0	75 - 125	30	
Cadmium	BRL	0.32	<0.39	<0.33	NC	95.1	99.8	4.8	93.0	92.8	0.2	75 - 125	30	
Chromium	BRL	0.32	67.4	69.5	3.10	98.6	101	2.4	100	95.5	4.6	75 - 125	30	
Lead	BRL	0.32	11.3	10.1	11.2	99.2	101	1.8	95.1	94.4	0.7	75 - 125	30	
Selenium	BRL	1.3	<1.6	<1.3	NC	87.9	88.5	0.7	78.6	78.2	0.5	75 - 125	30	
Silver	BRL	0.32	<0.39	<0.33	NC	96.0	98.1	2.2	97.1	95.3	1.9	75 - 125	30	

QA/QC Data

SDG I.D.: GBJ03972

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 305105 (mg/L), QC Sample No: BJ03972 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.01	<0.01	<0.01	NC	113	114	0.9	107	110	2.8	75 - 125	20	
Barium	0.02	0.01	0.24	0.25	4.10	103	104	1.0	96.5	99.6	3.2	75 - 125	20	
Cadmium	BRL	0.005	<0.005	<0.005	NC	104	106	1.9	99.3	103	3.7	75 - 125	20	
Chromium	BRL	0.010	<0.010	<0.010	NC	106	107	0.9	101	104	2.9	75 - 125	20	
Lead	BRL	0.010	0.100	0.103	3.00	107	108	0.9	101	104	2.9	75 - 125	20	
Selenium	BRL	0.01	<0.01	<0.01	NC	116	116	0.0	109	112	2.7	75 - 125	20	
Silver	BRL	0.010	<0.010	<0.010	NC	113	113	0.0	107	110	2.8	75 - 125	20	
QA/QC Batch 305106 (mg/L), QC Sample No: BJ03972 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	110	96.3	13.3				70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305292 (mg/kg), QC Sample No: BJ03974 (BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993)														
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	119	115	3.4	119	131	9.6	70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305140 (mg/L), QC Sample No: BJ03980 (BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	99.2	104	4.7				70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305117 (mg/L), QC Sample No: BJ03981 (BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)														
ICP Metals - TCLP Extraction														
Arsenic	BRL	0.01	<0.01	<0.01	NC	113	111	1.8	116	116	0.0	75 - 125	20	
Barium	0.02	0.01	0.09	0.09	0	103	101	2.0	103	104	1.0	75 - 125	20	
Cadmium	BRL	0.005	<0.005	<0.005	NC	104	102	1.9	106	107	0.9	75 - 125	20	
Chromium	BRL	0.010	<0.010	<0.010	NC	105	103	1.9	107	108	0.9	75 - 125	20	
Lead	BRL	0.010	<0.010	<0.010	NC	104	103	1.0	108	108	0.0	75 - 125	20	
Selenium	BRL	0.01	<0.01	<0.01	NC	115	115	0.0	118	118	0.0	75 - 125	20	
Silver	BRL	0.010	<0.010	<0.010	NC	111	110	0.9	115	116	0.9	75 - 125	20	
QA/QC Batch 305293 (mg/kg), QC Sample No: BJ03994 (BJ03994)														
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	111	98.3	12.1	104	103	1.0	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305139 (mg/L), QC Sample No: BJ03997 (BJ03997, BJ03999)														
Mercury (Dissolved)	BRL	0.0003	<0.0002	<0.0003	NC	113	108	4.5	109	102	6.6	70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 305078 (mg/L), QC Sample No: BJ04281 (BJ03997, BJ03999)														
ICP Metals - Dissolved														
Arsenic	BRL	0.004	<0.004	<0.004	NC	99.0	98.0	1.0	109	109	0.0	75 - 125	20	
Barium	BRL	0.002	0.008	0.007	NC	94.8	100	5.3	82.2	81.2	1.2	75 - 125	20	
Cadmium	BRL	0.001	<0.001	<0.001	NC	98.5	98.0	0.5	117	106	9.9	75 - 125	20	
Chromium	BRL	0.001	<0.001	<0.001	NC	115	125	8.3	93.7	89.4	4.7	75 - 125	20	
Copper	BRL	0.005	0.028	0.027	3.60	92.9	99.6	7.0	94.5	94.9	0.4	75 - 125	20	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Lead	BRL	0.002	<0.021	<0.021	NC	99.4	98.1	1.3	99.1	94.5	4.8	75 - 125	20	
Silver	BRL	0.001	<0.001	0.001	NC	90.4	92.6	2.4	101	107	5.8	75 - 125	20	
Zinc	BRL	0.002	0.376	0.347	8.00	113	97.8	14.4	116	105	10.0	75 - 125	20	
QA/QC Batch 305047 (mg/kg), QC Sample No: BJ04324 (BJ03992, BJ03993, BJ03994)														
ICP Metals - Soil														
Arsenic	BRL	0.63	2.3	2.11	NC	96.0	92.9	3.3	87.9	91.4	3.9	75 - 125	30	
Barium	BRL	0.31	30.0	27.0	10.5	98.0	105	6.9	105	114	8.2	75 - 125	30	
Cadmium	BRL	0.31	0.67	0.70	NC	86.8	96.7	10.8	84.8	92.8	9.0	75 - 125	30	
Chromium	BRL	0.31	13.0	11.8	9.70	86.0	92.7	7.5	88.7	92.3	4.0	75 - 125	30	
Lead	BRL	0.31	15.4	13.4	13.9	84.5	96.3	13.1	85.5	90.2	5.4	75 - 125	30	
Selenium	BRL	1.3	<1.5	<1.5	NC	89.1	86.2	3.3	73.2	85.6	15.6	75 - 125	30	m
Silver	BRL	0.31	<0.37	<0.37	NC	84.0	88.6	5.3	84.9	90.4	6.3	75 - 125	30	
QA/QC Batch 305077 (mg/L), QC Sample No: BJ04494 (BJ03997, BJ03999)														
Selenium (Dissolved)	BRL	0.011	<0.002	<0.002	NC	113	112	0.9	85.5	86.5	1.2	75 - 125	20	

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

April 29, 2015

QA/QC Data

SDG I.D.: GBJ03972

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 305313 (mg/L), QC Sample No: BJ03883 (BJ03997, BJ03999)													
Oil and Grease by EPA 1664	BRL	1.4				102						85 - 115	20

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QA/QC Report

April 29, 2015

QA/QC Data

SDG I.D.: GBJ03972

QA/QC Batch 305012 (mg/Kg), QC Sample No: BJ03547 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977)

TPH by GC (Extractable Products) - Solid

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Ext. Petroleum HC	ND	50	85	77	9.9				60 - 120	30	
% n-Pentacosane	110	%	86	79	8.5				50 - 150	30	

Comment:

*The MS/MSD could not be reported due to the presence of ETPH in the original sample. The LCS was within QA/QC criteria.

QA/QC Batch 304878 (ug/kg), QC Sample No: BJ03620 (BJ03992, BJ03993, BJ03994)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	230	87	85	2.3	97	95	2.1	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	84	80	4.9	79	76	3.9	30 - 130	30	
1,2-Dichlorobenzene	ND	230	78	74	5.3	71	68	4.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	111	109	1.8	96	84	13.3	30 - 130	30	
1,3-Dichlorobenzene	ND	230	74	71	4.1	66	63	4.7	30 - 130	30	
1,4-Dichlorobenzene	ND	230	77	72	6.7	68	65	4.5	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	107	108	0.9	121	113	6.8	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	105	105	0.0	107	107	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	130	90	90	0.0	98	100	2.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	87	88	1.1	90	87	3.4	30 - 130	30	
2,4-Dinitrophenol	ND	230	23	32	32.7	<10	<10	NC	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	130	122	123	0.8	92	72	24.4	30 - 130	30	
2,6-Dinitrotoluene	ND	130	111	109	1.8	98	87	11.9	30 - 130	30	
2-Chloronaphthalene	ND	230	96	96	0.0	83	84	1.2	30 - 130	30	
2-Chlorophenol	ND	230	90	86	4.5	86	82	4.8	30 - 130	30	
2-Methylnaphthalene	ND	230	90	87	3.4	92	93	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	90	87	3.4	91	91	0.0	30 - 130	30	
2-Nitroaniline	ND	670	153	166	8.2	57	49	15.1	30 - 130	30	l
2-Nitrophenol	ND	230	86	87	1.2	79	63	22.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	100	96	4.1	103	101	2.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	114	105	8.2	45	57	23.5	30 - 130	30	
3-Nitroaniline	ND	670	117	116	0.9	68	66	3.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	170	50	70	33.3	<10	<10	NC	30 - 130	30	m,r
4-Bromophenyl phenyl ether	ND	230	89	85	4.6	127	127	0.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	96	92	4.3	124	122	1.6	30 - 130	30	
4-Chloroaniline	ND	230	91	93	2.2	55	60	8.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	104	102	1.9	103	97	6.0	30 - 130	30	
4-Nitroaniline	ND	670	114	117	2.6	108	103	4.7	30 - 130	30	
4-Nitrophenol	ND	230	133	137	3.0	57	51	11.1	30 - 130	30	l
Acenaphthene	ND	230	97	97	0.0	92	91	1.1	30 - 130	30	
Acenaphthylene	ND	230	100	98	2.0	91	90	1.1	30 - 130	30	
Acetophenone	ND	230	94	91	3.2	86	83	3.6	30 - 130	30	
Aniline	ND	970	85	80	6.1	52	52	0.0	30 - 130	30	
Anthracene	ND	230	104	104	0.0	NC	NC	NC	30 - 130	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benz(a)anthracene	ND	230	108	108	0.0	NC	NC	NC	30 - 130	30	
Benzidine	ND	330	26	19	31.1	<10	<10	NC	30 - 130	30	l,m,r
Benzo(a)pyrene	ND	230	106	105	0.9	NC	NC	NC	30 - 130	30	
Benzo(b)fluoranthene	ND	230	103	104	1.0	NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	230	108	106	1.9	NC	NC	NC	30 - 130	30	
Benzo(k)fluoranthene	ND	230	104	101	2.9	NC	NC	NC	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	26	19	31.1	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	230	111	104	6.5	76	73	4.0	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	94	90	4.3	83	79	4.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	78	75	3.9	69	69	0.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	85	80	6.1	74	71	4.1	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	111	109	1.8	93	90	3.3	30 - 130	30	
Carbazole	ND	500	127	125	1.6	61	64	4.8	30 - 130	30	
Chrysene	ND	230	114	111	2.7	NC	NC	NC	30 - 130	30	
Dibenz(a,h)anthracene	ND	230	108	105	2.8	67	61	9.4	30 - 130	30	
Dibenzofuran	ND	230	101	101	0.0	100	98	2.0	30 - 130	30	
Diethyl phthalate	ND	230	113	111	1.8	96	93	3.2	30 - 130	30	
Dimethylphthalate	ND	230	106	103	2.9	88	90	2.2	30 - 130	30	
Di-n-butylphthalate	ND	230	129	123	4.8	68	70	2.9	30 - 130	30	
Di-n-octylphthalate	ND	230	118	113	4.3	116	113	2.6	30 - 130	30	
Fluoranthene	ND	230	114	100	13.1	NC	NC	NC	30 - 130	30	
Fluorene	ND	230	103	103	0.0	103	96	7.0	30 - 130	30	
Hexachlorobenzene	ND	130	87	83	4.7	111	111	0.0	30 - 130	30	
Hexachlorobutadiene	ND	230	82	79	3.7	77	73	5.3	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	90	84	6.9	<10	<10	NC	30 - 130	30	m
Hexachloroethane	ND	130	79	75	5.2	60	48	22.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	109	107	1.9	NC	NC	NC	30 - 130	30	
Isophorone	ND	130	90	86	4.5	81	76	6.4	30 - 130	30	
Naphthalene	ND	230	85	82	3.6	83	80	3.7	30 - 130	30	
Nitrobenzene	ND	130	89	84	5.8	83	81	2.4	30 - 130	30	
N-Nitrosodimethylamine	ND	230	74	72	2.7	61	53	14.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	95	90	5.4	85	82	3.6	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	107	108	0.9	102	92	10.3	30 - 130	30	
Pentachloronitrobenzene	ND	230	106	105	0.9	89	82	8.2	30 - 130	30	
Pentachlorophenol	ND	230	87	84	3.5	79	66	17.9	30 - 130	30	
Phenanthrene	ND	230	103	103	0.0	NC	NC	NC	30 - 130	30	
Phenol	ND	230	91	87	4.5	89	85	4.6	30 - 130	30	
Pyrene	ND	230	108	95	12.8	NC	NC	NC	30 - 130	30	
Pyridine	ND	230	57	54	5.4	51	42	19.4	30 - 130	30	
% 2,4,6-Tribromophenol	101	%	90	88	2.2	119	118	0.8	30 - 130	30	
% 2-Fluorobiphenyl	89	%	91	90	1.1	71	74	4.1	30 - 130	30	
% 2-Fluorophenol	68	%	85	80	6.1	75	71	5.5	30 - 130	30	
% Nitrobenzene-d5	73	%	85	80	6.1	77	75	2.6	30 - 130	30	
% Phenol-d5	73	%	88	85	3.5	84	83	1.2	30 - 130	30	
% Terphenyl-d14	152	%	96	84	13.3	43	50	15.1	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 304892 (ug/Kg), QC Sample No: BJ03729 2X (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977)

Pesticides - Solid

4,4' -DDD	ND	1.7	77	76	1.3	78	67	15.2	40 - 140	30	
4,4' -DDE	ND	1.7	86	84	2.4	82	68	18.7	40 - 140	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4,4' -DDT	ND	1.7	74	72	2.7	74	60	20.9	40 - 140	30
a-BHC	ND	3.3	97	95	2.1	96	87	9.8	40 - 140	30
a-Chlordane	ND	3.3	84	81	3.6	81	69	16.0	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	82	79	3.7	80	64	22.2	40 - 140	30
b-BHC	ND	3.3	84	80	4.9	81	76	6.4	40 - 140	30
Chlordane	ND	33	86	84	2.4	83	71	15.6	40 - 140	30
d-BHC	ND	3.3	78	77	1.3	78	76	2.6	40 - 140	30
Dieldrin	ND	1.0	79	78	1.3	78	67	15.2	40 - 140	30
Endosulfan I	ND	3.3	83	79	4.9	81	70	14.6	40 - 140	30
Endosulfan II	ND	3.3	74	62	17.6	83	75	10.1	40 - 140	30
Endosulfan sulfate	ND	3.3	65	56	14.9	65	64	1.6	40 - 140	30
Endrin	ND	3.3	80	81	1.2	82	70	15.8	40 - 140	30
Endrin aldehyde	ND	3.3	69	59	15.6	76	74	2.7	40 - 140	30
Endrin ketone	ND	3.3	75	73	2.7	77	74	4.0	40 - 140	30
g-BHC	ND	1.0	86	85	1.2	90	82	9.3	40 - 140	30
g-Chlordane	ND	3.3	86	84	2.4	83	71	15.6	40 - 140	30
Heptachlor	ND	3.3	75	73	2.7	73	60	19.5	40 - 140	30
Heptachlor epoxide	ND	3.3	81	79	2.5	80	70	13.3	40 - 140	30
Methoxychlor	ND	3.3	74	78	5.3	78	67	15.2	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	75	%	78	79	1.3	78	67	15.2	30 - 150	30
% TCMX	73	%	79	78	1.3	77	66	15.4	30 - 150	30

QA/QC Batch 304891 (ug/Kg), QC Sample No: BJ03729 10X (BJ03972, BJ03973, BJ03974, BJ03975)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	170	95	92	3.2	85	92	7.9	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	89	84	5.8	78	86	9.8	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	96	%	98	93	5.2	84	93	10.2	30 - 150	30
% TCMX (Surrogate Rec)	115	%	117	108	8.0	99	110	10.5	30 - 150	30

QA/QC Batch 305298 (ug/L), QC Sample No: BJ03803 (BJ03997, BJ03998, BJ03999)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	98	110	11.5	103	97	6.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	103	110	6.6	98	96	2.1	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	96	107	10.8	101	98	3.0	70 - 130	30
1,1-Dichloroethane	ND	1.0	97	107	9.8	104	101	2.9	70 - 130	30
1,1-Dichloroethene	ND	1.0	100	111	10.4	101	98	3.0	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	98	104	5.9	100	96	4.1	70 - 130	30
1,2-Dichloroethane	ND	1.0	96	106	9.9	101	99	2.0	70 - 130	30
1,2-Dichloropropane	ND	1.0	96	106	9.9	100	98	2.0	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	96	106	9.9	99	97	2.0	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	93	101	8.2	98	95	3.1	70 - 130	30
Benzene	ND	0.70	97	109	11.7	100	99	1.0	70 - 130	30
Bromodichloromethane	ND	0.50	100	110	9.5	101	97	4.0	70 - 130	30
Bromoform	ND	1.0	103	112	8.4	100	97	3.0	70 - 130	30
Bromomethane	ND	1.0	103	110	6.6	94	101	7.2	70 - 130	30

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbon tetrachloride	ND	1.0	96	108	11.8	94	93	1.1	70 - 130	30	
Chlorobenzene	ND	1.0	95	106	10.9	98	95	3.1	70 - 130	30	
Chloroethane	ND	1.0	98	106	7.8	105	102	2.9	70 - 130	30	
Chloroform	ND	1.0	99	108	8.7	104	101	2.9	70 - 130	30	
Chloromethane	ND	1.0	87	95	8.8	108	104	3.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	99	109	9.6	104	101	2.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	98	109	10.6	99	97	2.0	70 - 130	30	
Dibromochloromethane	ND	0.50	103	111	7.5	100	96	4.1	70 - 130	30	
Ethylbenzene	ND	1.0	98	110	11.5	100	97	3.0	70 - 130	30	
m&p-Xylene	ND	1.0	97	107	9.8	98	95	3.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	103	112	8.4	99	97	2.0	70 - 130	30	
Methylene chloride	ND	1.0	97	106	8.9	103	100	3.0	70 - 130	30	
o-Xylene	ND	1.0	97	108	10.7	99	97	2.0	70 - 130	30	
Tetrachloroethene	ND	1.0	96	106	9.9	93	92	1.1	70 - 130	30	
Toluene	ND	1.0	95	106	10.9	99	98	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	100	114	13.1	104	99	4.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	100	110	9.5	97	97	0.0	70 - 130	30	
Trichloroethene	ND	1.0	96	107	10.8	100	99	1.0	70 - 130	30	
Trichlorofluoromethane	ND	1.0	96	105	9.0	96	94	2.1	70 - 130	30	
Vinyl chloride	ND	1.0	102	112	9.3	104	101	2.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	101	100	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	98	%	100	100	0.0	100	98	2.0	70 - 130	30	
% Dibromofluoromethane	103	%	103	101	2.0	102	103	1.0	70 - 130	30	
% Toluene-d8	100	%	100	99	1.0	100	101	1.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 305022 (ug/kg), QC Sample No: BJ03975 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	230	77	80	3.8	79	76	3.9	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	72	78	8.0	76	74	2.7	30 - 130	30	
1,2-Dichlorobenzene	ND	230	67	65	3.0	65	66	1.5	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	84	76	10.0	80	77	3.8	30 - 130	30	
1,3-Dichlorobenzene	ND	230	62	61	1.6	63	62	1.6	30 - 130	30	
1,4-Dichlorobenzene	ND	230	63	62	1.6	62	63	1.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	84	90	6.9	88	87	1.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	82	86	4.8	87	82	5.9	30 - 130	30	
2,4-Dichlorophenol	ND	130	84	88	4.7	88	85	3.5	30 - 130	30	
2,4-Dimethylphenol	ND	230	74	78	5.3	77	80	3.8	30 - 130	30	
2,4-Dinitrophenol	ND	230	23	21	9.1	20	40	66.7	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	130	94	94	0.0	97	90	7.5	30 - 130	30	
2,6-Dinitrotoluene	ND	130	88	91	3.4	95	88	7.7	30 - 130	30	
2-Chloronaphthalene	ND	230	80	81	1.2	85	80	6.1	30 - 130	30	
2-Chlorophenol	ND	230	81	82	1.2	83	80	3.7	30 - 130	30	
2-Methylnaphthalene	ND	230	84	81	3.6	85	81	4.8	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	87	86	1.2	84	87	3.5	30 - 130	30	
2-Nitroaniline	ND	670	111	100	10.4	106	96	9.9	30 - 130	30	
2-Nitrophenol	ND	230	76	78	2.6	73	82	11.6	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	93	90	3.3	86	92	6.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	91	108	17.1	102	89	13.6	30 - 130	30	
3-Nitroaniline	ND	670	84	86	2.4	94	80	16.1	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	170	48	48	0.0	73	76	4.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Bromophenyl phenyl ether	ND	230	82	85	3.6	83	79	4.9	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	91	89	2.2	93	89	4.4	30 - 130	30	
4-Chloroaniline	ND	230	67	66	1.5	68	56	19.4	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	84	82	2.4	82	78	5.0	30 - 130	30	
4-Nitroaniline	ND	670	93	87	6.7	94	90	4.3	30 - 130	30	
4-Nitrophenol	ND	230	94	86	8.9	91	80	12.9	30 - 130	30	
Acenaphthene	ND	230	77	77	0.0	81	76	6.4	30 - 130	30	
Acenaphthylene	ND	230	80	80	0.0	84	79	6.1	30 - 130	30	
Acetophenone	ND	230	87	86	1.2	80	87	8.4	30 - 130	30	
Aniline	ND	970	86	90	4.5	72	67	7.2	30 - 130	30	
Anthracene	ND	230	89	88	1.1	90	84	6.9	30 - 130	30	
Benz(a)anthracene	ND	230	81	85	4.8	83	79	4.9	30 - 130	30	
Benzidine	ND	330	>200	>200	NC	55	87	45.1	30 - 130	30	l,r
Benzo(a)pyrene	ND	230	87	89	2.3	90	85	5.7	30 - 130	30	
Benzo(b)fluoranthene	ND	230	82	89	8.2	87	79	9.6	30 - 130	30	
Benzo(ghi)perylene	ND	230	73	81	10.4	71	75	5.5	30 - 130	30	
Benzo(k)fluoranthene	ND	230	91	92	1.1	87	86	1.2	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	<10	13	NC	30 - 130	30	l,m
Benzyl butyl phthalate	ND	230	89	92	3.3	90	89	1.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	80	82	2.5	84	84	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	64	65	1.6	66	65	1.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	68	65	4.5	66	70	5.9	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	102	90	12.5	96	89	7.6	30 - 130	30	
Carbazole	ND	500	102	100	2.0	107	97	9.8	30 - 130	30	
Chrysene	ND	230	89	97	8.6	94	91	3.2	30 - 130	30	
Dibenz(a,h)anthracene	ND	230	77	81	5.1	73	76	4.0	30 - 130	30	
Dibenzofuran	ND	230	86	85	1.2	88	83	5.8	30 - 130	30	
Diethyl phthalate	ND	230	88	86	2.3	88	84	4.7	30 - 130	30	
Dimethylphthalate	ND	230	85	86	1.2	90	84	6.9	30 - 130	30	
Di-n-butylphthalate	ND	230	92	87	5.6	94	83	12.4	30 - 130	30	
Di-n-octylphthalate	ND	230	97	94	3.1	96	95	1.0	30 - 130	30	
Fluoranthene	ND	230	86	85	1.2	94	79	17.3	30 - 130	30	
Fluorene	ND	230	86	81	6.0	84	79	6.1	30 - 130	30	
Hexachlorobenzene	ND	130	87	79	9.6	81	77	5.1	30 - 130	30	
Hexachlorobutadiene	ND	230	70	73	4.2	72	69	4.3	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	59	65	9.7	52	57	9.2	30 - 130	30	
Hexachloroethane	ND	130	64	61	4.8	61	64	4.8	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	76	81	6.4	73	75	2.7	30 - 130	30	
Isophorone	ND	130	77	76	1.3	78	78	0.0	30 - 130	30	
Naphthalene	ND	230	75	73	2.7	76	73	4.0	30 - 130	30	
Nitrobenzene	ND	130	79	76	3.9	74	80	7.8	30 - 130	30	
N-Nitrosodimethylamine	ND	230	68	63	7.6	66	70	5.9	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	89	84	5.8	78	88	12.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	89	91	2.2	91	87	4.5	30 - 130	30	
Pentachloronitrobenzene	ND	230	85	79	7.3	80	76	5.1	30 - 130	30	
Pentachlorophenol	ND	230	54	53	1.9	57	54	5.4	30 - 130	30	
Phenanthrene	ND	230	88	87	1.1	88	82	7.1	30 - 130	30	
Phenol	ND	230	89	89	0.0	87	87	0.0	30 - 130	30	
Pyrene	ND	230	88	86	2.3	96	81	16.9	30 - 130	30	
Pyridine	ND	230	44	40	9.5	47	48	2.1	30 - 130	30	
% 2,4,6-Tribromophenol	54	%	82	68	18.7	72	70	2.8	30 - 130	30	
% 2-Fluorobiphenyl	55	%	74	74	0.0	78	72	8.0	30 - 130	30	
% 2-Fluorophenol	55	%	77	75	2.6	72	76	5.4	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Nitrobenzene-d5	49	%	76	72	5.4	71	76	6.8	30 - 130	30
% Phenol-d5	57	%	80	80	0.0	80	79	1.3	30 - 130	30
% Terphenyl-d14	63	%	82	81	1.2	89	73	19.8	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 305786 (ug/kg), QC Sample No: BJ03990 (BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03994, BJ03996)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	5.0	110	106	3.7				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	108	104	3.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	106	107	0.9				70 - 130	30
1,1,2-Trichloroethane	ND	5.0	105	101	3.9				70 - 130	30
1,1-Dichloroethane	ND	5.0	104	101	2.9				70 - 130	30
1,1-Dichloroethene	ND	5.0	112	109	2.7				70 - 130	30
1,1-Dichloropropene	ND	5.0	111	108	2.7				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	104	102	1.9				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	101	100	1.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	104	105	1.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	104	103	1.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	107	108	0.9				70 - 130	30
1,2-Dibromoethane	ND	5.0	107	105	1.9				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	101	101	0.0				70 - 130	30
1,2-Dichloroethane	ND	5.0	104	102	1.9				70 - 130	30
1,2-Dichloropropane	ND	5.0	106	102	3.8				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	108	106	1.9				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	104	99	4.9				70 - 130	30
1,3-Dichloropropane	ND	5.0	106	102	3.8				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	101	100	1.0				70 - 130	30
2,2-Dichloropropane	ND	5.0	107	103	3.8				70 - 130	30
2-Chlorotoluene	ND	5.0	105	103	1.9				70 - 130	30
2-Hexanone	ND	25	94	93	1.1				70 - 130	30
2-Isopropyltoluene	ND	5.0	112	110	1.8				70 - 130	30
4-Chlorotoluene	ND	5.0	104	102	1.9				70 - 130	30
4-Methyl-2-pentanone	ND	25	100	99	1.0				70 - 130	30
Acetone	ND	10	100	103	3.0				70 - 130	30
Acrylonitrile	ND	5.0	99	99	0.0				70 - 130	30
Benzene	ND	1.0	109	105	3.7				70 - 130	30
Bromobenzene	ND	5.0	104	101	2.9				70 - 130	30
Bromochloromethane	ND	5.0	107	105	1.9				70 - 130	30
Bromodichloromethane	ND	5.0	115	109	5.4				70 - 130	30
Bromoform	ND	5.0	119	114	4.3				70 - 130	30
Bromomethane	ND	5.0	103	96	7.0				70 - 130	30
Carbon Disulfide	ND	5.0	129	119	8.1				70 - 130	30
Carbon tetrachloride	ND	5.0	115	109	5.4				70 - 130	30
Chlorobenzene	ND	5.0	106	101	4.8				70 - 130	30
Chloroethane	ND	5.0	102	96	6.1				70 - 130	30
Chloroform	ND	5.0	105	101	3.9				70 - 130	30
Chloromethane	ND	5.0	89	88	1.1				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	108	105	2.8				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	113	108	4.5				70 - 130	30
Dibromochloromethane	ND	3.0	116	113	2.6				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibromomethane	ND	5.0	107	101	5.8				70 - 130	30	
Dichlorodifluoromethane	ND	5.0	96	94	2.1				70 - 130	30	
Ethylbenzene	ND	1.0	112	106	5.5				70 - 130	30	
Hexachlorobutadiene	ND	5.0	111	107	3.7				70 - 130	30	
Isopropylbenzene	ND	1.0	108	107	0.9				70 - 130	30	
m&p-Xylene	ND	2.0	110	105	4.7				70 - 130	30	
Methyl ethyl ketone	ND	5.0	94	98	4.2				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	115	107	7.2				70 - 130	30	
Methylene chloride	ND	5.0	104	98	5.9				70 - 130	30	
Naphthalene	ND	5.0	109	110	0.9				70 - 130	30	
n-Butylbenzene	ND	1.0	106	104	1.9				70 - 130	30	
n-Propylbenzene	ND	1.0	101	102	1.0				70 - 130	30	
o-Xylene	ND	2.0	114	109	4.5				70 - 130	30	
p-Isopropyltoluene	ND	1.0	109	110	0.9				70 - 130	30	
sec-Butylbenzene	ND	1.0	113	105	7.3				70 - 130	30	
Styrene	ND	5.0	111	105	5.6				70 - 130	30	
tert-Butylbenzene	ND	1.0	109	105	3.7				70 - 130	30	
Tetrachloroethene	ND	5.0	111	109	1.8				70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	99	98	1.0				70 - 130	30	
Toluene	ND	1.0	108	106	1.9				70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	111	108	2.7				70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	115	114	0.9				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	114	112	1.8				70 - 130	30	
Trichloroethene	ND	5.0	113	107	5.5				70 - 130	30	
Trichlorofluoromethane	ND	5.0	106	101	4.8				70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	111	103	7.5				70 - 130	30	
Vinyl chloride	ND	5.0	107	101	5.8				70 - 130	30	
% 1,2-dichlorobenzene-d4	102	%	101	102	1.0				70 - 130	30	
% Bromofluorobenzene	96	%	101	104	2.9				70 - 130	30	
% Dibromofluoromethane	99	%	101	101	0.0				70 - 130	30	
% Toluene-d8	98	%	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 305932 (ug/kg), QC Sample No: BJ03993 (BJ03993)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	5.0	104	105	1.0	108	109	0.9	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	104	108	3.8	113	113	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	99	102	3.0	113	111	1.8	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	98	101	3.0	103	101	2.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	99	100	1.0	108	108	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	109	109	0.0	116	116	0.0	70 - 130	30	
1,1-Dichloropropene	ND	5.0	105	108	2.8	113	113	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	100	106	5.8	64	61	4.8	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	91	94	3.2	110	109	0.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	104	110	5.6	72	68	5.7	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	101	105	3.9	111	108	2.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	100	102	2.0	108	105	2.8	70 - 130	30	
1,2-Dibromoethane	ND	5.0	100	103	3.0	101	101	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	97	101	4.0	97	95	2.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	100	101	1.0	105	105	0.0	70 - 130	30	
1,2-Dichloropropane	ND	5.0	99	100	1.0	104	103	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	1.0	105	108	2.8	119	115	3.4	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	101	103	2.0	103	101	2.0	70 - 130	30	
1,3-Dichloropropane	ND	5.0	98	100	2.0	104	105	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	98	103	5.0	100	99	1.0	70 - 130	30	
2,2-Dichloropropane	ND	5.0	104	108	3.8	112	112	0.0	70 - 130	30	
2-Chlorotoluene	ND	5.0	101	104	2.9	112	110	1.8	70 - 130	30	
2-Hexanone	ND	25	89	90	1.1	89	88	1.1	70 - 130	30	
2-Isopropyltoluene	ND	5.0	108	111	2.7	115	108	6.3	70 - 130	30	
4-Chlorotoluene	ND	5.0	101	104	2.9	109	108	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	25	92	94	2.2	98	96	2.1	70 - 130	30	
Acetone	ND	10	96	95	1.0	61	62	1.6	70 - 130	30	m
Acrylonitrile	ND	5.0	92	94	2.2	93	95	2.1	70 - 130	30	
Benzene	ND	1.0	102	104	1.9	109	109	0.0	70 - 130	30	
Bromobenzene	ND	5.0	99	102	3.0	111	111	0.0	70 - 130	30	
Bromochloromethane	ND	5.0	102	103	1.0	106	107	0.9	70 - 130	30	
Bromodichloromethane	ND	5.0	108	109	0.9	108	109	0.9	70 - 130	30	
Bromoform	ND	5.0	109	108	0.9	109	109	0.0	70 - 130	30	
Bromomethane	ND	5.0	92	102	10.3	114	118	3.4	70 - 130	30	
Carbon Disulfide	ND	5.0	123	123	0.0	121	121	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	106	106	0.0	113	114	0.9	70 - 130	30	
Chlorobenzene	ND	5.0	101	103	2.0	106	106	0.0	70 - 130	30	
Chloroethane	ND	5.0	102	102	0.0	120	120	0.0	70 - 130	30	
Chloroform	ND	5.0	101	103	2.0	108	109	0.9	70 - 130	30	
Chloromethane	ND	5.0	82	86	4.8	96	97	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	99	105	5.9	109	110	0.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	107	106	0.9	106	107	0.9	70 - 130	30	
Dibromochloromethane	ND	3.0	110	113	2.7	111	112	0.9	70 - 130	30	
Dibromomethane	ND	5.0	99	99	0.0	102	103	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	91	94	3.2	90	91	1.1	70 - 130	30	
Ethylbenzene	ND	1.0	106	108	1.9	112	109	2.7	70 - 130	30	
Hexachlorobutadiene	ND	5.0	107	111	3.7	79	64	21.0	70 - 130	30	m
Isopropylbenzene	ND	1.0	103	108	4.7	124	120	3.3	70 - 130	30	
m&p-Xylene	ND	2.0	106	109	2.8	108	109	0.9	70 - 130	30	
Methyl ethyl ketone	ND	5.0	89	91	2.2	92	88	4.4	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	106	106	0.0	107	107	0.0	70 - 130	30	
Methylene chloride	ND	5.0	102	102	0.0	178	>200	NC	70 - 130	30	m
Naphthalene	ND	5.0	103	106	2.9	79	78	1.3	70 - 130	30	
n-Butylbenzene	ND	1.0	106	110	3.7	105	96	9.0	70 - 130	30	
n-Propylbenzene	ND	1.0	98	101	3.0	119	115	3.4	70 - 130	30	
o-Xylene	ND	2.0	107	109	1.9	111	110	0.9	70 - 130	30	
p-Isopropyltoluene	ND	1.0	107	114	6.3	102	98	4.0	70 - 130	30	
sec-Butylbenzene	ND	1.0	108	112	3.6	114	105	8.2	70 - 130	30	
Styrene	ND	5.0	106	109	2.8	107	105	1.9	70 - 130	30	
tert-Butylbenzene	ND	1.0	104	107	2.8	118	112	5.2	70 - 130	30	
Tetrachloroethene	ND	5.0	107	113	5.5	115	113	1.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	90	91	1.1	97	95	2.1	70 - 130	30	
Toluene	ND	1.0	102	105	2.9	107	106	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	109	111	1.8	115	114	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	109	111	1.8	105	105	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	107	110	2.8	123	122	0.8	70 - 130	30	
Trichloroethene	ND	5.0	104	106	1.9	110	109	0.9	70 - 130	30	
Trichlorofluoromethane	ND	5.0	104	105	1.0	120	118	1.7	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	108	109	0.9	119	118	0.8	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	5.0	100	100	0.0	106	105	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	100	%	99	101	2.0	99	98	1.0	70 - 130	30
% Bromofluorobenzene	96	%	100	101	1.0	95	95	0.0	70 - 130	30
% Dibromofluoromethane	102	%	99	98	1.0	101	99	2.0	70 - 130	30
% Toluene-d8	97	%	100	98	2.0	99	99	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%.

QA/QC Batch 305021 (ug/Kg), QC Sample No: BJ03994 2X (BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)

Pesticides - Solid

4,4' -DDD	ND	1.7	78	86	9.8	68	68	0.0	40 - 140	30
4,4' -DDE	ND	1.7	84	94	11.2	71	71	0.0	40 - 140	30
4,4' -DDT	ND	1.7	79	86	8.5	62	60	3.3	40 - 140	30
a-BHC	ND	3.3	86	96	11.0	87	88	1.1	40 - 140	30
a-Chlordane	ND	3.3	82	91	10.4	72	73	1.4	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	79	89	11.9	65	67	3.0	40 - 140	30
b-BHC	ND	3.3	77	87	12.2	83	84	1.2	40 - 140	30
Chlordane	ND	33	81	90	10.5	71	72	1.4	40 - 140	30
d-BHC	ND	3.3	81	87	7.1	84	85	1.2	40 - 140	30
Dieldrin	ND	1.0	84	92	9.1	75	76	1.3	40 - 140	30
Endosulfan I	ND	3.3	82	89	8.2	74	76	2.7	40 - 140	30
Endosulfan II	ND	3.3	76	73	4.0	87	87	0.0	40 - 140	30
Endosulfan sulfate	ND	3.3	74	76	2.7	78	79	1.3	40 - 140	30
Endrin	ND	3.3	91	100	9.4	82	83	1.2	40 - 140	30
Endrin aldehyde	ND	3.3	72	68	5.7	88	84	4.7	40 - 140	30
Endrin ketone	ND	3.3	84	90	6.9	86	87	1.2	40 - 140	30
g-BHC	ND	1.0	82	93	12.6	86	86	0.0	40 - 140	30
g-Chlordane	ND	3.3	81	90	10.5	71	72	1.4	40 - 140	30
Heptachlor	ND	3.3	81	91	11.6	69	70	1.4	40 - 140	30
Heptachlor epoxide	ND	3.3	82	92	11.5	75	75	0.0	40 - 140	30
Methoxychlor	ND	3.3	83	93	11.4	71	72	1.4	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	81	%	86	92	6.7	65	55	16.7	30 - 150	30
% TCMX	70	%	74	83	11.5	67	65	3.0	30 - 150	30

QA/QC Batch 305020 (ug/Kg), QC Sample No: BJ03994 10X (BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	170	83	92	10.3	98	95	3.1	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	83	90	8.1	96	94	2.1	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	105	%	101	109	7.6	110	109	0.9	30 - 150	30
% TCMX (Surrogate Rec)	98	%	97	105	7.9	111	108	2.7	30 - 150	30

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 305194 (mg/Kg), QC Sample No: BJ03994 (BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)										
TPH by GC (Extractable Products) - Solid										
Ext. Petroleum HC	ND	50	77	75	2.6	70	75	6.9	60 - 120	30
% n-Pentacosane	75	%	86	83	3.6	80	87	8.4	50 - 150	30
QA/QC Batch 305044 (ug/L), QC Sample No: BJ04112 (BJ03997, BJ03999)										
Semivolatiles - Ground Water										
1,2,4-Trichlorobenzene	ND	3.5	81	76	6.4				30 - 130	20
1,2-Dichlorobenzene	ND	1.0	66	61	7.9				30 - 130	20
1,2-Diphenylhydrazine	ND	1.6	88	90	2.2				30 - 130	20
1,3-Dichlorobenzene	ND	1.0	62	57	8.4				30 - 130	20
1,4-Dichlorobenzene	ND	1.0	62	58	6.7				30 - 130	20
2,4,5-Trichlorophenol	ND	1.0	106	106	0.0				30 - 130	20
2,4,6-Trichlorophenol	ND	1.0	105	107	1.9				30 - 130	20
2,4-Dichlorophenol	ND	1.0	92	88	4.4				30 - 130	20
2,4-Dimethylphenol	ND	1.0	92	91	1.1				30 - 130	20
2,4-Dinitrophenol	ND	1.0	74	80	7.8				30 - 130	20
2,4-Dinitrotoluene	ND	3.5	86	87	1.2				30 - 130	20
2,6-Dinitrotoluene	ND	3.5	96	97	1.0				30 - 130	20
2-Chloronaphthalene	ND	3.5	97	99	2.0				30 - 130	20
2-Chlorophenol	ND	1.0	76	67	12.6				30 - 130	20
2-Methylnaphthalene	ND	0.05	87	85	2.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	1.0	90	85	5.7				30 - 130	20
2-Nitroaniline	ND	3.5	103	109	5.7				30 - 130	20
2-Nitrophenol	ND	1.0	83	79	4.9				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	1.0	81	77	5.1				30 - 130	20
3,3'-Dichlorobenzidine	ND	5.0	70	72	2.8				30 - 130	20
3-Nitroaniline	ND	5.0	99	101	2.0				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	1.0	81	86	6.0				30 - 130	20
4-Bromophenyl phenyl ether	ND	3.5	102	103	1.0				30 - 130	20
4-Chloro-3-methylphenol	ND	1.0	94	92	2.2				30 - 130	20
4-Chloroaniline	ND	3.5	70	69	1.4				30 - 130	20
4-Chlorophenyl phenyl ether	ND	1.0	88	90	2.2				30 - 130	20
4-Nitroaniline	ND	5.0	99	102	3.0				30 - 130	20
4-Nitrophenol	ND	1.0	91	86	5.6				30 - 130	20
Acenaphthene	ND	0.05	95	96	1.0				30 - 130	20
Acenaphthylene	ND	0.02	91	92	1.1				30 - 130	20
Anthracene	ND	0.02	98	99	1.0				30 - 130	20
Benz(a)anthracene	ND	0.02	94	97	3.1				30 - 130	20
Benzidine	ND	4.5	>200	>200	NC				30 - 130	20
Benzo(a)pyrene	ND	0.02	95	94	1.1				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	103	106	2.9				30 - 130	20
Benzo(ghi)perylene	ND	0.02	84	77	8.7				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	98	102	4.0				30 - 130	20
Benzoic acid	ND	10	61	66	7.9				30 - 130	20
Benzyl butyl phthalate	ND	3.5	95	98	3.1				30 - 130	20
Bis(2-chloroethoxy)methane	ND	3.5	94	90	4.3				30 - 130	20
Bis(2-chloroethyl)ether	ND	1.0	68	61	10.9				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	1.0	76	68	11.1				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	0.05	97	96	1.0				30 - 130	20
Chrysene	ND	0.02	98	100	2.0				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	89	84	5.8				30 - 130	20

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenzofuran	ND	3.5	95	97	2.1				30 - 130	20	
Diethyl phthalate	ND	3.5	98	99	1.0				30 - 130	20	
Dimethylphthalate	ND	3.5	99	101	2.0				30 - 130	20	
Di-n-butylphthalate	ND	3.5	106	104	1.9				30 - 130	20	
Di-n-octylphthalate	ND	3.5	105	106	0.9				30 - 130	20	
Fluoranthene	ND	0.04	100	104	3.9				30 - 130	20	
Fluorene	ND	0.05	89	91	2.2				30 - 130	20	
Hexachlorobenzene	ND	0.02	102	103	1.0				30 - 130	20	
Hexachlorobutadiene	ND	0.05	74	72	2.7				30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	48	38	23.3				30 - 130	20	r
Hexachloroethane	ND	0.05	59	56	5.2				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	71	65	8.8				30 - 130	20	
Isophorone	ND	3.5	90	88	2.2				30 - 130	20	
Naphthalene	ND	0.05	79	76	3.9				30 - 130	20	
Nitrobenzene	ND	0.05	77	72	6.7				30 - 130	20	
N-Nitrosodimethylamine	ND	0.05	69	57	19.0				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	3.5	86	82	4.8				30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	85	86	1.2				30 - 130	20	
Pentachlorophenol	ND	0.30	89	91	2.2				30 - 130	20	
Phenanthrene	ND	0.05	98	101	3.0				30 - 130	20	
Phenol	ND	1.0	86	77	11.0				30 - 130	20	
Pyrene	ND	0.02	101	109	7.6				30 - 130	20	
Pyridine	ND	0.50	63	52	19.1				30 - 130	20	
% 2,4,6-Tribromophenol	75	%	95	95	0.0				30 - 130	20	
% 2-Fluorobiphenyl	68	%	93	93	0.0				30 - 130	20	
% 2-Fluorophenol	47	%	63	52	19.1				30 - 130	20	
% Nitrobenzene-d5	62	%	74	69	7.0				30 - 130	20	
% Phenol-d5	54	%	75	66	12.8				30 - 130	20	
% Terphenyl-d14	78	%	111	124	11.1				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 305304 (ug/kg), QC Sample No: BJ04526 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03980, BJ03981, BJ03983)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	5.0	92	96	4.3	91	94	3.2	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	90	96	6.5	94	97	3.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	92	97	5.3	94	99	5.2	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	87	92	5.6	93	93	0.0	70 - 130	30
1,1-Dichloroethane	ND	5.0	90	93	3.3	96	97	1.0	70 - 130	30
1,1-Dichloroethene	ND	5.0	86	94	8.9	93	91	2.2	70 - 130	30
1,1-Dichloropropene	ND	5.0	88	93	5.5	93	93	0.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	90	91	1.1	71	71	0.0	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	89	94	5.5	97	98	1.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	88	88	0.0	72	76	5.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	85	88	3.5	73	73	0.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	87	90	3.4	91	95	4.3	70 - 130	30
1,2-Dibromoethane	ND	5.0	88	93	5.5	86	89	3.4	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	91	93	2.2	83	83	0.0	70 - 130	30
1,2-Dichloroethane	ND	5.0	87	93	6.7	92	93	1.1	70 - 130	30
1,2-Dichloropropane	ND	5.0	91	94	3.2	94	96	2.1	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	89	92	3.3	80	81	1.2	70 - 130	30

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichlorobenzene	ND	5.0	89	92	3.3	89	92	3.3	70 - 130	30	
1,3-Dichloropropane	ND	5.0	91	96	5.3	92	98	6.3	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	88	90	2.2	88	90	2.2	70 - 130	30	
2,2-Dichloropropane	ND	5.0	88	92	4.4	52	92	55.6	70 - 130	30	m,r
2-Chlorotoluene	ND	5.0	90	90	0.0	88	88	0.0	70 - 130	30	
2-Hexanone	ND	25	89	94	5.5	56	57	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	5.0	91	95	4.3	78	78	0.0	70 - 130	30	
4-Chlorotoluene	ND	5.0	90	91	1.1	87	85	2.3	70 - 130	30	
4-Methyl-2-pentanone	ND	25	88	92	4.4	65	64	1.6	70 - 130	30	m
Acetone	ND	10	71	99	32.9	89	54	49.0	70 - 130	30	m,r
Acrylonitrile	ND	5.0	92	94	2.2	83	81	2.4	70 - 130	30	
Benzene	ND	1.0	90	95	5.4	91	93	2.2	70 - 130	30	
Bromobenzene	ND	5.0	90	93	3.3	92	93	1.1	70 - 130	30	
Bromochloromethane	ND	5.0	94	96	2.1	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	5.0	94	99	5.2	91	92	1.1	70 - 130	30	
Bromoform	ND	5.0	92	97	5.3	81	86	6.0	70 - 130	30	
Bromomethane	ND	5.0	76	90	16.9	74	85	13.8	70 - 130	30	
Carbon Disulfide	ND	5.0	96	104	8.0	90	90	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	91	95	4.3	89	94	5.5	70 - 130	30	
Chlorobenzene	ND	5.0	90	93	3.3	91	93	2.2	70 - 130	30	
Chloroethane	ND	5.0	78	90	14.3	99	92	7.3	70 - 130	30	
Chloroform	ND	5.0	85	95	11.1	90	90	0.0	70 - 130	30	
Chloromethane	ND	5.0	71	85	17.9	97	88	9.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	92	97	5.3	96	96	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	90	95	5.4	79	85	7.3	70 - 130	30	
Dibromochloromethane	ND	3.0	93	97	4.2	87	91	4.5	70 - 130	30	
Dibromomethane	ND	5.0	91	93	2.2	94	96	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	78	82	5.0	105	103	1.9	70 - 130	30	
Ethylbenzene	ND	1.0	93	97	4.2	85	85	0.0	70 - 130	30	
Hexachlorobutadiene	ND	5.0	90	93	3.3	65	64	1.6	70 - 130	30	m
Isopropylbenzene	ND	1.0	88	93	5.5	83	83	0.0	70 - 130	30	
m&p-Xylene	ND	2.0	90	93	3.3	79	79	0.0	70 - 130	30	
Methyl ethyl ketone	ND	5.0	91	95	4.3	76	82	7.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	96	101	5.1	88	97	9.7	70 - 130	30	
Methylene chloride	ND	5.0	89	95	6.5	101	96	5.1	70 - 130	30	
Naphthalene	ND	5.0	90	94	4.3	53	46	14.1	70 - 130	30	m
n-Butylbenzene	ND	1.0	87	88	1.1	70	72	2.8	70 - 130	30	
n-Propylbenzene	ND	1.0	84	87	3.5	84	85	1.2	70 - 130	30	
o-Xylene	ND	2.0	92	95	3.2	82	83	1.2	70 - 130	30	
p-Isopropyltoluene	ND	1.0	89	92	3.3	77	80	3.8	70 - 130	30	
sec-Butylbenzene	ND	1.0	91	94	3.2	79	79	0.0	70 - 130	30	
Styrene	ND	5.0	90	93	3.3	76	78	2.6	70 - 130	30	
tert-Butylbenzene	ND	1.0	89	93	4.4	82	82	0.0	70 - 130	30	
Tetrachloroethene	ND	5.0	90	93	3.3	92	94	2.2	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	90	99	9.5	95	96	1.0	70 - 130	30	
Toluene	ND	1.0	90	93	3.3	91	89	2.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	93	99	6.3	94	95	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	93	97	4.2	77	85	9.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	90	95	5.4	66	78	16.7	70 - 130	30	m
Trichloroethene	ND	5.0	91	94	3.2	92	92	0.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	83	88	5.8	98	96	2.1	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	86	95	9.9	94	96	2.1	70 - 130	30	
Vinyl chloride	ND	5.0	88	94	6.6	96	96	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	96	%	101	101	0.0	96	98	2.1	70 - 130	30	
% Dibromofluoromethane	100	%	99	106	6.8	102	105	2.9	70 - 130	30	
% Toluene-d8	98	%	99	100	1.0	100	99	1.0	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%.

QA/QC Batch 305426 (ug/kg), QC Sample No: BJ04667 (BJ03979, BJ03982, BJ03983 (45X) , BJ03984)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	5.0	97	96	1.0	85	92	7.9	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	99	97	2.0	86	94	8.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	95	94	1.1	79	89	11.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	94	95	1.1	86	95	9.9	70 - 130	30	
1,1-Dichloroethane	ND	5.0	97	97	0.0	85	94	10.1	70 - 130	30	
1,1-Dichloroethene	ND	5.0	99	94	5.2	82	92	11.5	70 - 130	30	
1,1-Dichloropropene	ND	5.0	94	92	2.2	85	93	9.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	87	82	5.9	89	99	10.6	70 - 130	30	
1,2,3-Trichloropropane	ND	5.0	94	92	2.2	79	89	11.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	79	74	6.5	89	97	8.6	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	85	81	4.8	86	93	7.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	96	91	5.3	81	91	11.6	70 - 130	30	
1,2-Dibromoethane	ND	5.0	96	96	0.0	86	95	9.9	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	91	87	4.5	87	97	10.9	70 - 130	30	
1,2-Dichloroethane	ND	5.0	95	95	0.0	81	93	13.8	70 - 130	30	
1,2-Dichloropropane	ND	5.0	96	96	0.0	87	95	8.8	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	89	85	4.6	84	91	8.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	88	85	3.5	87	95	8.8	70 - 130	30	
1,3-Dichloropropane	ND	5.0	99	96	3.1	84	94	11.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	87	83	4.7	88	95	7.7	70 - 130	30	
2,2-Dichloropropane	ND	5.0	90	87	3.4	83	91	9.2	70 - 130	30	
2-Chlorotoluene	ND	5.0	87	83	4.7	84	93	10.2	70 - 130	30	
2-Hexanone	ND	25	96	96	0.0	83	94	12.4	70 - 130	30	
2-Isopropyltoluene	ND	5.0	95	90	5.4	85	92	7.9	70 - 130	30	
4-Chlorotoluene	ND	5.0	90	85	5.7	84	91	8.0	70 - 130	30	
4-Methyl-2-pentanone	ND	25	95	96	1.0	80	91	12.9	70 - 130	30	
Acetone	ND	10	89	74	18.4	52	57	9.2	70 - 130	30	m
Acrylonitrile	ND	5.0	103	101	2.0	85	95	11.1	70 - 130	30	
Benzene	ND	1.0	96	96	0.0	86	94	8.9	70 - 130	30	
Bromobenzene	ND	5.0	92	88	4.4	85	92	7.9	70 - 130	30	
Bromochloromethane	ND	5.0	100	98	2.0	86	94	8.9	70 - 130	30	
Bromodichloromethane	ND	5.0	101	99	2.0	85	92	7.9	70 - 130	30	
Bromoform	ND	5.0	99	98	1.0	80	90	11.8	70 - 130	30	
Bromomethane	ND	5.0	89	81	9.4	61	56	8.5	70 - 130	30	m
Carbon Disulfide	ND	5.0	111	107	3.7	85	95	11.1	70 - 130	30	
Carbon tetrachloride	ND	5.0	96	94	2.1	82	91	10.4	70 - 130	30	
Chlorobenzene	ND	5.0	95	93	2.1	88	97	9.7	70 - 130	30	
Chloroethane	ND	5.0	89	84	5.8	21	22	4.7	70 - 130	30	m
Chloroform	ND	5.0	94	96	2.1	78	88	12.0	70 - 130	30	
Chloromethane	ND	5.0	89	81	9.4	88	86	2.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	99	97	2.0	87	95	8.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	94	93	1.1	83	91	9.2	70 - 130	30	
Dibromochloromethane	ND	3.0	102	99	3.0	83	89	7.0	70 - 130	30	
Dibromomethane	ND	5.0	96	98	2.1	86	95	9.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dichlorodifluoromethane	ND	5.0	92	87	5.6	84	91	8.0	70 - 130	30	
Ethylbenzene	ND	1.0	96	93	3.2	88	97	9.7	70 - 130	30	
Hexachlorobutadiene	ND	5.0	89	81	9.4	91	97	6.4	70 - 130	30	
Isopropylbenzene	ND	1.0	90	87	3.4	84	91	8.0	70 - 130	30	
m&p-Xylene	ND	2.0	95	90	5.4	89	97	8.6	70 - 130	30	
Methyl ethyl ketone	ND	5.0	96	98	2.1	83	96	14.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	104	106	1.9	86	72	17.7	70 - 130	30	
Methylene chloride	ND	5.0	101	98	3.0	94	104	10.1	70 - 130	30	
Naphthalene	ND	5.0	92	89	3.3	85	96	12.2	70 - 130	30	
n-Butylbenzene	ND	1.0	82	76	7.6	85	92	7.9	70 - 130	30	
n-Propylbenzene	ND	1.0	84	78	7.4	84	92	9.1	70 - 130	30	
o-Xylene	ND	2.0	95	93	2.1	90	97	7.5	70 - 130	30	
p-Isopropyltoluene	ND	1.0	89	83	7.0	87	93	6.7	70 - 130	30	
sec-Butylbenzene	ND	1.0	92	87	5.6	85	91	6.8	70 - 130	30	
Styrene	ND	5.0	93	90	3.3	88	96	8.7	70 - 130	30	
tert-Butylbenzene	ND	1.0	91	87	4.5	84	91	8.0	70 - 130	30	
Tetrachloroethene	ND	5.0	93	89	4.4	90	97	7.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	102	105	2.9	85	98	14.2	70 - 130	30	
Toluene	ND	1.0	94	95	1.1	89	96	7.6	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	102	99	3.0	67	69	2.9	70 - 130	30	m
trans-1,3-Dichloropropene	ND	5.0	95	96	1.0	83	91	9.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	91	89	2.2	76	86	12.3	70 - 130	30	
Trichloroethene	ND	5.0	96	96	0.0	88	97	9.7	70 - 130	30	
Trichlorofluoromethane	ND	5.0	92	88	4.4	22	25	12.8	70 - 130	30	m
Trichlorotrifluoroethane	ND	5.0	98	92	6.3	87	100	13.9	70 - 130	30	
Vinyl chloride	ND	5.0	96	93	3.2	89	96	7.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	100	99	1.0	99	101	2.0	70 - 130	30	
% Bromofluorobenzene	97	%	99	100	1.0	102	101	1.0	70 - 130	30	
% Dibromofluoromethane	99	%	99	103	4.0	103	103	0.0	70 - 130	30	
% Toluene-d8	98	%	98	100	2.0	98	99	1.0	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%.

QA/QC Batch 305924 (ug/kg), QC Sample No: BJ06375 (BJ03991 (56X))

Volatiles - Solid

1,2,3-Trichlorobenzene	ND	5.0	96	98	2.1	97	96	1.0	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	93	97	4.2	89	86	3.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	97	98	1.0	97	99	2.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	99	1.0	103	99	4.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	99	104	4.9	94	90	4.3	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	96	98	2.1	96	93	3.2	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	103	102	1.0	103	100	3.0	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	98	98	0.0	99	95	4.1	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	95	97	2.1	97	94	3.1	70 - 130	30
2-Chlorotoluene	ND	5.0	98	99	1.0	99	96	3.1	70 - 130	30
2-Isopropyltoluene	ND	5.0	105	106	0.9	106	101	4.8	70 - 130	30
4-Chlorotoluene	ND	5.0	97	99	2.0	101	97	4.0	70 - 130	30
Bromobenzene	ND	5.0	98	100	2.0	97	93	4.2	70 - 130	30
Hexachlorobutadiene	ND	5.0	105	101	3.9	110	107	2.8	70 - 130	30
Isopropylbenzene	ND	1.0	101	103	2.0	104	100	3.9	70 - 130	30
Naphthalene	ND	5.0	101	103	2.0	97	95	2.1	70 - 130	30
n-Butylbenzene	ND	1.0	101	98	3.0	106	103	2.9	70 - 130	30
n-Propylbenzene	ND	1.0	95	94	1.1	103	99	4.0	70 - 130	30

QA/QC Data

SDG I.D.: GBJ03972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
p-Isopropyltoluene	ND	1.0	104	103	1.0	106	102	3.8	70 - 130	30
sec-Butylbenzene	ND	1.0	106	105	0.9	105	101	3.9	70 - 130	30
tert-Butylbenzene	ND	1.0	103	104	1.0	103	100	3.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	106	109	2.8	99	96	3.1	70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	99	100	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	96	%	101	102	1.0	101	101	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
April 29, 2015

Sample Criteria Exceedences Report

GBJ03972 - BLCOMP-DAS

Criteria: CT: GAM, GWP, RC, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03972	$8270-SMR	Bis(2-ethylhexyl)phthalate	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	2-Chlorophenol	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	18000	1200	4000	4000	ug/Kg
BJ03972	$8270-SMR	Phenanthrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	6800	1200	4000	4000	ug/Kg
BJ03972	$8270-SMR	Pentachlorophenol	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1700	1000	1000	ug/Kg
BJ03972	$8270-SMR	Hexachloroethane	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	12000	1200	5600	5600	ug/Kg
BJ03972	$8270-SMR	Bis(2-chloroethyl)ether	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1700	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	4400	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	13000	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	13000	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	10000	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Hexachlorobenzene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	ND	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Bis(2-chloroethyl)ether	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	ND	1700	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	13000	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Hexachlorobenzene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	ND	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	13000	1200	1000	1000	ug/Kg
BJ03972	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	10000	1200	1000	1000	ug/Kg
BJ03972	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	770	260	500	500	mg/Kg
BJ03972	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	770	260	500	500	mg/Kg
BJ03972	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	70	20	20	ug/Kg
BJ03972	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	1400	330	330	ug/Kg
BJ03972	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	350	66	66	ug/Kg
BJ03972	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	70	13	13	ug/Kg
BJ03972	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	35	7	7	ug/Kg
BJ03972	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	70	67	67	ug/Kg
BJ03972	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1400	560	560	ug/Kg
BJ03972	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.100	0.010	0.015	0.015	mg/L
BJ03973	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	7700	1200	1000	1000	ug/Kg
BJ03973	$8270-SMR	Pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	9900	1200	4000	4000	ug/Kg
BJ03973	$8270-SMR	Phenanthrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	4500	1200	4000	4000	ug/Kg
BJ03973	$8270-SMR	Fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	7000	1200	5600	5600	ug/Kg
BJ03973	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	4100	250	1000	1000	ug/Kg
BJ03973	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	8700	1200	1000	1000	ug/Kg
BJ03973	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	6500	1200	1000	1000	ug/Kg
BJ03973	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	8700	1200	1000	1000	ug/Kg
BJ03973	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	6500	1200	1000	1000	ug/Kg
BJ03973	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	7700	1200	1000	1000	ug/Kg
BJ03973	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	71	20	20	ug/Kg
BJ03973	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	350	66	66	ug/Kg
BJ03973	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	1400	330	330	ug/Kg

Sample Criteria Exceedences Report

GBJ03972 - BLCOMP-DAS

Criteria: CT: GAM, GWP, RC, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03973	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	35	7	7	ug/Kg
BJ03973	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	71	13	13	ug/Kg
BJ03973	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	71	67	67	ug/Kg
BJ03973	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1400	560	560	ug/Kg
BJ03973	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.092	0.010	0.015	0.015	mg/L
BJ03976	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	16.1	0.7	10	10	mg/Kg
BJ03977	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	13.2	0.8	10	10	mg/Kg
BJ03979	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	14.7	0.7	10	10	mg/Kg
BJ03980	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	13.9	0.7	10	10	mg/Kg
BJ03981	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	11.7	0.8	10	10	mg/Kg
BJ03982	$8270-SMR	Bis(2-ethylhexyl)phthalate	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	1100	250	1000	1000	ug/Kg
BJ03982	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	12.9	0.7	10	10	mg/Kg
BJ03983	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	2600	340	1000	1000	ug/Kg
BJ03983	$8270-SMR	Fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	8100	680	5600	5600	ug/Kg
BJ03983	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	6400	680	1000	1000	ug/Kg
BJ03983	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	5200	340	1000	1000	ug/Kg
BJ03983	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	5000	340	1000	1000	ug/Kg
BJ03983	$8270-SMR	Pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	7800	680	4000	4000	ug/Kg
BJ03983	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	6400	680	1000	1000	ug/Kg
BJ03983	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	5000	340	1000	1000	ug/Kg
BJ03983	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	5200	340	1000	1000	ug/Kg
BJ03983	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	740	72	500	500	mg/Kg
BJ03983	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	740	72	500	500	mg/Kg
BJ03983	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	20	20	ug/Kg
BJ03983	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	4700	66	66	ug/Kg
BJ03983	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	1400	470	7	7	ug/Kg
BJ03983	$PEST_SMR	Endosulfan I	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	840	840	ug/Kg
BJ03983	$PEST_SMR	Endosulfan II	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	840	840	ug/Kg
BJ03983	$PEST_SMR	Endosulfan sulfate	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	840	840	ug/Kg
BJ03983	$PEST_SMR	g-BHC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	190	20	20	ug/Kg
BJ03983	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	13	13	ug/Kg
BJ03983	$PEST_SMR	Methoxychlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	4700	800	800	ug/Kg
BJ03983	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	19000	330	330	ug/Kg
BJ03983	$PEST_SMR	Alachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	940	230	230	ug/Kg
BJ03983	$PEST_SMR	4,4' -DDE	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	2000	940	1800	1800	ug/Kg
BJ03983	$PEST_SMR	4,4' -DDT	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	3800	940	1800	1800	ug/Kg

Sample Criteria Exceedences Report

GBJ03972 - BLCOMP-DAS

Criteria: CT: GAM, GWP, RC, SWP
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03983	$PEST_SMR	a-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	940	97	97	ug/Kg
BJ03983	$PEST_SMR	4,4' -DDD	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	6700	940	2600	2600	ug/Kg
BJ03983	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	19000	560	560	ug/Kg
BJ03983	$PEST_SMR	Aldrin	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	470	36	36	ug/Kg
BJ03983	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	940	67	67	ug/Kg
BJ03983	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	940	140	140	ug/Kg
BJ03983	$PEST_SMR	d-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	940	97	97	ug/Kg
BJ03983	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1400	470	38	38	ug/Kg
BJ03983	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	4700	490	490	ug/Kg
BJ03983	$PEST_SMR	b-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	940	340	340	ug/Kg
BJ03983	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.029	0.010	0.015	0.015	mg/L
BJ03984	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	1200	380	7	7	ug/Kg
BJ03984	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	3800	66	66	ug/Kg
BJ03984	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	15000	330	330	ug/Kg
BJ03984	$PEST_SMR	Methoxychlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	3800	800	800	ug/Kg
BJ03984	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	750	20	20	ug/Kg
BJ03984	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	750	13	13	ug/Kg
BJ03984	$PEST_SMR	g-BHC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	150	20	20	ug/Kg
BJ03984	$PEST_SMR	Alachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	750	230	230	ug/Kg
BJ03984	$PEST_SMR	4,4' -DDE	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	4400	750	1800	1800	ug/Kg
BJ03984	$PEST_SMR	4,4' -DDD	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	3600	750	2600	2600	ug/Kg
BJ03984	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1200	380	38	38	ug/Kg
BJ03984	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	15000	560	560	ug/Kg
BJ03984	$PEST_SMR	b-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	750	340	340	ug/Kg
BJ03984	$PEST_SMR	4,4' -DDT	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	4100	750	1800	1800	ug/Kg
BJ03984	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	750	67	67	ug/Kg
BJ03984	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	750	140	140	ug/Kg
BJ03984	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3800	490	490	ug/Kg
BJ03984	$PEST_SMR	Aldrin	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	380	36	36	ug/Kg
BJ03984	$PEST_SMR	d-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	750	97	97	ug/Kg
BJ03984	$PEST_SMR	a-BHC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	750	97	97	ug/Kg
BJ03984	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	11.5	0.7	10	10	mg/Kg
BJ03986	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	23.4	0.7	10	10	mg/Kg
BJ03988	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	10.5	0.8	10	10	mg/Kg
BJ03989	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	11.5	0.8	10	10	mg/Kg
BJ03991	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	5200	1300	1000	1000	ug/Kg
BJ03991	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	2500	270	1000	1000	ug/Kg
BJ03991	$8270-SMR	Phenanthrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	5900	1300	4000	4000	ug/Kg

Sample Criteria Exceedences Report

GBJ03972 - BLCOMP-DAS

Criteria: CT: GAM, GWP, RC, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BJ03991	$8270-SMR	Pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	11000	1300	4000	4000	ug/Kg
BJ03991	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	6600	1300	1000	1000	ug/Kg
BJ03991	$8270-SMR	Fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	10000	1300	5600	5600	ug/Kg
BJ03991	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	5200	1300	1000	1000	ug/Kg
BJ03991	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	5200	1300	1000	1000	ug/Kg
BJ03991	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	5200	1300	1000	1000	ug/Kg
BJ03991	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	6600	1300	1000	1000	ug/Kg
BJ03991	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	20.4	0.7	10	10	mg/Kg
BJ03991	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.062	0.010	0.015	0.015	mg/L
BJ03992	$8270-SMR	Pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	18000	1200	4000	4000	ug/Kg
BJ03992	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	8000	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	9600	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	13000	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	4700	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	24000	1200	5600	5600	ug/Kg
BJ03992	$8270-SMR	Phenanthrene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	16000	1200	4000	4000	ug/Kg
BJ03992	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	8000	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	9600	1200	1000	1000	ug/Kg
BJ03992	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	13000	1200	1000	1000	ug/Kg
BJ03992	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	950	260	500	500	mg/Kg
BJ03992	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	950	260	500	500	mg/Kg
BJ03992	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	350	66	66	ug/Kg
BJ03992	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	35	7	7	ug/Kg
BJ03992	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	69	13	13	ug/Kg
BJ03992	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	69	20	20	ug/Kg
BJ03992	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GA/GAA PMC (mg/kg	ND	1400	330	330	ug/Kg
BJ03992	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	69	67	67	ug/Kg
BJ03992	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1400	560	560	ug/Kg
BJ03992	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GA/GAA PMC (mg/l)**	0.976	0.010	0.015	0.015	mg/L
BJ03993	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	1200	260	1000	1000	ug/Kg
BJ03993	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GA/GAA PMC (	1300	260	1000	1000	ug/Kg
BJ03993	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1200	260	1000	1000	ug/Kg
BJ03993	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1300	260	1000	1000	ug/Kg
BJ03993	AS-SM	Arsenic	CT / INORGANIC SUBSTANCES / RES DEC (mg/kg)	12.4	0.8	10	10	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

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

Project Location: 14EC0016 **Project Number:**

Laboratory Sample ID(s): BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994, BJ03995, BJ03996, BJ03997, BJ03998, BJ03999

Sampling Date(s): 4/16/2015

RCP Methods Used:

☑ 1311/1312	☑ 6010	☑ 7000	☐ 7196	☑ 7470/7471	☑ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☑ 8260	☑ 8270	☑ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH 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, Mercury Narration, SVOA Narration, SVOASIM Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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".

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.

Date: Wednesday, April 29, 2015

Authorized Signature: Ethan Lee

Printed Name: Ethan Lee

Position: Project Manager

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Beryllium, Copper, Nickel, Thallium, Vanadium, Zinc.

BJ03997, BJ03999 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Beryllium, Nickel, Thallium, Vanadium.

BJ03997, BJ03998, BJ03999 - The following analytes from the 8260 RCP Volatile list were not reported: 1,1,1,2-Tetrachloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Bromobenzene, Carbon Disulfide, Dibromomethane, Dichlorodifluoromethane, Hexachlorobutadiene, Isopropylbenzene, Methyl Ethyl Ketone, n-Butylbenzene, n-Propylbenzene, Naphthalene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran (THF), trans-1,4-dichloro-2-butene, Trichlorotrifluoroethane.

BJ03972 - Sample(s) required a dilution for Semivolatiles due to a matrix interference and/or the presence of a large amount of non-target material in the sample. This resulted in elevated reporting limits that exceed the requested criteria for one or more analytes.

BJ03972, BJ03973, BJ03983, BJ03984, BJ03992 - Sample(s) required a dilution for Pesticides due to a matrix interference and/or the presence of a large amount of non-target material in the sample. This resulted in elevated reporting limits that exceed the requested criteria for one or more analytes.

Selenium Narration

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

Instrument: Zeeman 04/21/15-1 (BJ03997, BJ03999)

Printed Name Rick Schweitzer
Position: Chemist
Date: 4/21/2015

QC (Batch Specific)

---------- Sample No: BJ04494, QA/QC Batch: 305077 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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SDG I.D.: GBJ03972

ETPH Narration

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

Instrument: Au-fid1 04/18/15-1 (BJ03972, BJ03974, BJ03975, BJ03976, BJ03977)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/18/2015

Instrument: Au-fid1 04/21/15-3 (BJ03992)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/21/2015

Instrument: Au-fid1 04/22/15-3 (BJ03992)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko
Position: Chemist
Date: 4/22/2015

Instrument: Au-fid84 04/20/15-1 (BJ03973)

Initial Calibration (FID84 - ETPH_413) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 4/20/2015

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SDG I.D.: GBJ03972

Instrument: Au-fid84 04/21/15-2 (BJ03983)

Initial Calibration (FID84 - ETPH_413) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko
Position: Chemist
Date: 4/21/2015

Instrument: Au-xl2 04/21/15-1 (BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03994)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/21/2015

Instrument: Au-xl2 04/21/15-2 (BJ03984, BJ03986, BJ03987, BJ03989, BJ03990, BJ03991, BJ03993, BJ03994)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/21/2015

Instrument: Au-xl2 04/22/15-2 (BJ03983)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/22/2015

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SDG I.D.: GBJ03972

Instrument: Au-xl2 04/23/15-1 (BJ03985, BJ03988)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 4/23/2015

QC Comments: QC Batch 305012 04/17/15 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977)

*The MS/MSD could not be reported due to the presence of ETPH in the original sample. The LCS was within QA/QC criteria.

QC (Site Specific)

---------- Sample No: BJ03994, QA/QC Batch: 305194 ----------

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.

QC (Batch Specific)

---------- Sample No: BJ03547, QA/QC Batch: 305012 ----------

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.

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

Mercury Narration

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

QC Batch 305292 (Samples: BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993): -----

The MS and/or the MSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Mercury)

Instrument: Merlin 04/20/15-1 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994, BJ03997, BJ03999)

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 interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 4/20/2015

Instrument: Merlin 04/21/15-1 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994, BJ03997, BJ03999)

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 interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 4/21/2015

Instrument: Merlin 04/22/15-1 (BJ03994)

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.

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SDG I.D.: GBJ03972

The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name	Rick Schweitzer
Position:	Chemist
Date:	4/22/2015

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SDG I.D.: GBJ03972

QC (Site Specific)

---------- Sample No: BJ03972, QA/QC Batch: 305106 ----------

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 20% with the following exceptions: None.

---------- Sample No: BJ03974, QA/QC Batch: 305292 ----------

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.

All MSD recoveries were within 75 - 125 with the following exceptions: Mercury(131%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ03980, QA/QC Batch: 305140 ----------

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 20% with the following exceptions: None.

---------- Sample No: BJ03994, QA/QC Batch: 305293 ----------

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.

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

All MS/MSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ03997, QA/QC Batch: 305139 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

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SDG I.D.: GBJ03972

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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

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

All MS/MSD RPDs were less than 20% with the following exceptions: None.

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.

QC (Batch Specific)

---------- Sample No: BJ03281, QA/QC Batch: 305159 ----------

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 20% with the following exceptions: None.

---------- Sample No: BJ03427, QA/QC Batch: 305291 ----------

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.

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SDG I.D.: GBJ03972

ICP Narration

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

QC Batch 305105 (Samples: BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (TCLP Extraction- Barium(BJ03972, BJ03973, BJ03974, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980))

Analyte was found in blank. A high bias is suspected. (TCLP Extraction- Barium(BJ03975))

QC Batch 305117 (Samples: BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994): -----

A trace amount of an analyte was found in blank. Due to the concentration in the blank relative to the samples, no bias is suspected. (TCLP Extraction- Barium(BJ03982, BJ03983, BJ03984, BJ03986, BJ03988, BJ03990, BJ03991, BJ03993))

Analyte was found in blank. A high bias is suspected. (TCLP Extraction- Barium(BJ03981, BJ03985, BJ03987, BJ03989, BJ03992, BJ03994))

Instrument: Arcos 04/18/15-1 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991)

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.

Printed Name Laura Kinnin
Position: Chemist
Date: 4/18/2015

Instrument: Arcos 04/20/15-1 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)

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.

Printed Name Laura Kinnin
Position: Chemist
Date: 4/20/2015

Instrument: Arcos 04/21/15-1 (BJ03983, BJ03992)

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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.

Printed Name Laura Kinnin
Position: Chemist
Date: 4/21/2015

Instrument: Blue 04/18/15-1 (BJ03992, BJ03993, BJ03994, BJ03997, BJ03999)

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.

Printed Name Laura Kinnin
Position: Chemist
Date: 4/18/2015

Instrument: Blue 04/20/15-1 (BJ03997, BJ03999)

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.

Printed Name Laura Kinnin
Position: Chemist
Date: 4/20/2015

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

QC (Site Specific)

---------- Sample No: BJ03972, QA/QC Batch: 305105 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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

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

All MS/MSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BJ03981, QA/QC Batch: 305117 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

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

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

All MS/MSD RPDs were less than 20% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BJ03436, QA/QC Batch: 305028 ----------

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

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

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ03539, QA/QC Batch: 305043 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BJ03547, QA/QC Batch: 305029 ----------

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April 29, 2015

SDG I.D.: GBJ03972

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

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

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BJ04281, QA/QC Batch: 305078 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BJ04324, QA/QC Batch: 305047 ----------

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

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

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

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

Instrument: Au-ecd24 04/18/15-1 (BJ03975, BJ03976, BJ03977, BJ03978)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC318AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC318BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/18/2015

Instrument: Au-ecd29 04/18/15-1 (BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994)

The initial calibration (PC223AI) RSD for the compound list was less than 20% except for the following compounds: None.

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SDG I.D.: GBJ03972

The initial calibration (PC223BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/18/2015

Instrument: Au-ecd48 04/20/15-1 (BJ03975, BJ03983)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC304AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC304BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/20/2015

Instrument: Au-ecd5 04/18/15-1 (BJ03972, BJ03973, BJ03974)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC402AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC402BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/18/2015

Instrument: Au-ecd5 04/20/15-1 (BJ03983)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

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SDG I.D.: GBJ03972

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC402AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC402BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/20/2015

Instrument: Au-ecd6 04/18/15-1 (BJ03994)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC414AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC414BI) 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.

Printed Name Adam Werner
Position: Chemist
Date: 4/18/2015

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SDG I.D.: GBJ03972

QC (Site Specific)

---------- Sample No: BJ03994, QA/QC Batch: 305020 ----------

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.

QC (Batch Specific)

---------- Sample No: BJ03729, QA/QC Batch: 304891 ----------

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.

PEST Narration

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

Instrument: Au-ecd13 04/18/15-1 (BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03994)

8081 Narration:

Endrin and DDT breakdown was evaluated and does not exceed 15%.The initial calibration (PS416AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS416BI) 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:
418A002 - % TCMX (16%), 4,4'-DDD (25%), 4,4'-DDE (30%), 4,4'-DDT (25%), a-BHC (42%), a-Chlordane (25%), Aldrin (23%), b-BHC (34%), d-BHC (26%), Dieldrin (39%), Endosulfan I (26%), Endosulfan II (22%), Endosulfan sulfate (29%), Endrin (25%), Endrin aldehyde (27%), Endrin Ketone (46%), g-BHC (43%), g-Chlordane (27%), Heptachlor epoxide (30%)
418A030 - 4,4'-DDT (-16%), Heptachlor (-17%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

Printed Name Carol Eddy
Position: Chemist
Date: 4/18/2015

Instrument: Au-ecd13 04/21/15-1 (BJ03983)

8081 Narration:

Endrin and DDT breakdown was evaluated and does not exceed 15%.The initial calibration (PS416AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS416BI) 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:
421A004 - Endrin aldehyde (-17%)
421A014 - % DCBP (-18%), 4,4'-DDD (-16%), Endosulfan sulfate (-16%), Endrin aldehyde (-17%), Endrin Ketone (-19%), Methoxychlor (-20%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Carol Eddy
Position: Chemist
Date: 4/21/2015

Instrument: Au-ecd35 04/22/15-1 (BJ03983)

8081 Narration:

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

The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS421AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS421BI) 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:
422A011 - Endrin (-21%), Endrin aldehyde (-16%)
422A017 - 4,4'-DDT (-20%), Endrin (-22%), Endrin aldehyde (-21%), Endrin Ketone (-16%)
422A029 - 4,4'-DDT (-26%), b-BHC (-18%), Endrin (-23%), Endrin aldehyde (-23%), Endrin Ketone (16%)
422A043 - 4,4'-DDE (-16%), 4,4'-DDT (-33%), b-BHC (-19%), Endosulfan I (-17%), Endrin (-26%), Endrin aldehyde (-18%), Methoxychlor (21%)
422A053 - 4,4'-DDT (-33%), b-BHC (-16%), Endrin (-23%), Endrin aldehyde (-27%), Endrin Ketone (-20%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Carol Eddy
Position: Chemist
Date: 4/22/2015

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April 29, 2015

SDG I.D.: GBJ03972

Instrument: Au-ecd4 04/20/15-1 (BJ03972, BJ03973, BJ03984, BJ03992, BJ03994)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

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

The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS0320BI) 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:
420A009 - Endosulfan II (18%), Endrin (22%)
420A050 - % DCBP (-18%), 4,4'-DDD (-16%)
A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Carol Eddy
Position: Chemist
Date: 4/20/2015

Instrument: Au-ecd4 04/22/15-2 (BJ03972, BJ03973, BJ03992)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

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

The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS0422BI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0422AI) 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.

Printed Name Carol Eddy
Position: Chemist
Date: 4/22/2015

Instrument: Au-ecd4 04/23/15-1 (BJ03983, BJ03993)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

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

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The continuing calibration standards were within acceptance criteria except for the following compounds: NoneThe initial calibration (PS0422AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0422BI) 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:
423A013 - Methoxychlor (-21%)

Printed Name	Carol Eddy
Position:	Chemist
Date:	4/23/2015

QC (Site Specific)

---------- Sample No: BJ03994, QA/QC Batch: 305021 ----------

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 30 - 150 with the following exceptions: None.

All MSD recoveries were within 30 - 150 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

QC (Batch Specific)

---------- Sample No: BJ03729, QA/QC Batch: 304892 ----------

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.

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SDG I.D.: GBJ03972

SVOA Narration

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

QC Batch 304878 (Samples: BJ03992, BJ03993, BJ03994): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (2-Nitroaniline, 4-Nitrophenol)

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. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine)

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)

QC Batch 305022 (Samples: BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Benzidine)

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

The MS/MSD RPD for one or more analytes exceeds the method criteria. These analytes were not reported in the samples, therefore no sample variability is suspected. (2,4-Dinitrophenol, Benzidine)

Instrument: Chem05 04/17/15-2 (BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03992, BJ03993, BJ03994)

Initial Calibration Verification (CHEM05/SV_0415):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (32%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/0417_26-SV_0415):
98% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3,3'-dichlorobenzidine (-32%)[30%], Benzidine (-284%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (-284%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.061)[0.1], Hexachlorobenzene (.085)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 4/17/2015

Instrument: Chem05 04/19/15-1 (BJ03972)

Initial Calibration Verification (CHEM05/SV_0415):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (32%)

The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/0419_02-SV_0415):
95% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 3,3'-dichlorobenzidine (-31%)[30%], Benzidine (-340%)[30%], Hexachlorocyclopentadiene (40%)[30%], Pentachlorophenol (36%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (-340%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.066)[0.1], Hexachlorobenzene (.088)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 4/19/2015

Instrument: Chem05 04/20/15-1 (BJ03972, BJ03991)

Initial Calibration Verification (CHEM05/SV_0415):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (32%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM05/0420_02-SV_0415):
95% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 2,4-dinitrophenol (38%)[30%], Benzidine (-221%)[30%], Hexachlorocyclopentadiene (38%)[30%], Pentachlorophenol (39%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (-221%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.067)[0.1], Hexachlorobenzene (.092)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 4/20/2015

Instrument: Chem06 04/19/15-1 (BJ03984, BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991)

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_0415):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: 2,4-Dinitrophenol (28%), 4,6-Dinitro-2-methylphenol (30%), Benzidine (33%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM06/0419_03-SV_0415):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: Benzidine (-71%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (-71%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.067)[0.1], Hexachlorobenzene (.070)[0.1]
The following compounds did not meet minimum response factors: None.

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SDG I.D.: GBJ03972

Printed Name Damien Drobinski
Position: Chemist
Date: 4/19/2015

Instrument: Chem12 04/19/15-2 (BJ03973, BJ03983, BJ03992)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM12/sv_0402):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (34%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM12/0419_28-sv_0402):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: Benzidine (-355%)[30%]
The following compounds did not meet maximum % deviations: Benzidine (-355%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.079)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 4/19/2015

Instrument: Chem12 04/21/15-1 (BJ03997, BJ03999)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.Initial Calibration Verification (CHEM12/sv_0402):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Benzidine (34%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM12/0421_02-sv_0402):
93% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: 2,4-dinitrophenol (61%)[30%], 2,4-dinitrotoluene (31%)[30%], 2-nitrophenol (31%)[30%], 4,6-dinitro-2-methylphenol (57%)[30%], Benzidine (-112%)[30%], Hexachlorocyclopentadiene (45%)[30%]
The following compounds did not meet maximum % deviations: 2,4-dinitrophenol (61%)[40%], 4,6-dinitro-2-methylphenol (57%)[40%], Benzidine (-112%)[40%], Hexachlorocyclopentadiene (45%)[40%]
The following compounds did not meet recommended response factors: 2-nitrophenol (.055)[0.1], Hexachlorobenzene (.094)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Damien Drobinski
Position: Chemist
Date: 4/21/2015

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SDG I.D.: GBJ03972

QC (Site Specific)

---------- Sample No: BJ03975, QA/QC Batch: 305022 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(23%), Benzidine(>200%), Benzoic Acid(<10%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(21%), Benzidine(>200%), 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: 2,4-Dinitrophenol(20%), Benzoic Acid(<10%)

All MSD recoveries were within 30 - 130 with the following exceptions: Benzoic Acid(13%)

All MS/MSD RPDs were less than 30% with the following exceptions: 2,4-Dinitrophenol(66.7%), Benzidine(45.1%)

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.

QC (Batch Specific)

---------- Sample No: BJ03620, QA/QC Batch: 304878 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(23%), 2-Nitroaniline(153%), 4-Nitrophenol(133%), Benzidine(26%), Benzoic Acid(<10%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2-Nitroaniline(166%), 4-Nitrophenol(137%), Benzidine(19%), Benzoic Acid(<10%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: 2,4-Dinitrophenol(32.7%), 4,6-Dinitro-2-methylphenol(33.3%), Benzidine(31.1%)

SVOASIM Narration

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

BJ03997 - The surrogate recovery is above the method criteria for %2,4,6-Tribromophenol. All other surrogate recoveries are acceptable, therefore no significant bias is suspected.

QC Batch 305044 (Samples: BJ03997, BJ03999): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (Benzidine)

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. (Hexachlorocyclopentadiene)

Instrument: Chem07 04/19/15-1 (BJ03997, BJ03999)

Initial Calibration Verification (CHEM07/SIM_0403):
98% of target compounds met criteria.
The following compounds had %RSDs >20%: Pentachlorophenol (23%)

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SDG I.D.: GBJ03972

The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM07/0419_04-SIM_0403):
90% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration. The following compounds did not meet % deviation criteria: % 2,4,6-tribromophenol (-62%)[30%], 1,1-Biphenyl (100%)[30%], Benz(a)anthracene (100%)[30%], Hexachloroethane (100%)[30%], Pentachlorophenol (-54%)[30%]
The following compounds did not meet maximum % deviations: % 2,4,6-tribromophenol (-62%)[40%], 1,1-Biphenyl (100%)[40%], Benz(a)anthracene (100%)[40%], Hexachloroethane (100%)[40%], Pentachlorophenol (-54%)[40%]
The following compounds did not meet recommended response factors: 1,1-Biphenyl (.000)[0.01], 2-nitrophenol (.057)[0.1], Benz(a)anthracene (.000)[0.8], Hexachloroethane (.000)[0.3]
The following compounds did not meet minimum response factors: 1,1-Biphenyl (.000)[0.01], Benz(a)anthracene (.000)[0.01], Hexachloroethane (.000)[0.01]

Printed Name Damien Drobinski
Position: Chemist
Date: 4/19/2015

QC (Site Specific)

---------- Sample No: BJ03975, QA/QC Batch: 305022 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(23%), Benzidine(>200%), Benzoic Acid(<10%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(21%), Benzidine(>200%), 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: 2,4-Dinitrophenol(20%), Benzoic Acid(<10%)

All MSD recoveries were within 30 - 130 with the following exceptions: Benzoic Acid(13%)

All MS/MSD RPDs were less than 30% with the following exceptions: 2,4-Dinitrophenol(66.7%), Benzidine(45.1%)

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.

QC (Batch Specific)

---------- Sample No: BJ04112, QA/QC Batch: 305044 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: Benzidine(>200%)

All LCSD recoveries were within 30 - 130 with the following exceptions: Benzidine(>200%)

All LCS/LCSD RPDs were less than 20% with the following exceptions: Hexachlorocyclopentadiene(23.3%)

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

VOA Narration

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

QC Batch 305304 (Samples: BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03980, BJ03981, BJ03983) ----

The LCS/LCSD RPD for one or more analytes exceeds the method criteria. This analyte was not reported in the samples, therefore no sample variability is suspected. (Acetone)

Instrument: Chem03 04/23/15-1 (BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03993, BJ03994, BJ03996)

Initial Calibration Verification (CHEM03/RCPS_0420):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Chloroethane (27%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0423L05-RCPS_0420):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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.

Printed Name Jane Li
Position: Chemist
Date: 4/23/2015

Instrument: Chem03 04/24/15-1 (BJ03993)

Initial Calibration Verification (CHEM03/RCPS_0420):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Chloroethane (27%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0424L03-RCPS_0420):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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.

Printed Name Jane Li
Position: Chemist
Date: 4/24/2015

Instrument: Chem03 04/24/15-2 (BJ03991)

Initial Calibration Verification (CHEM03/RCPS_0420):
99% of target compounds met criteria.

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

The following compounds had %RSDs >20%: Chloroethane (27%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0424L40-RCPS_0420):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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.

Printed Name Jane Li
Position: Chemist
Date: 4/24/2015

Instrument: Chem14 04/20/15-2 (BJ03972, BJ03973, BJ03974, BJ03975, BJ03976, BJ03977, BJ03978, BJ03979, BJ03980, BJ03981, BJ03982, BJ03983, BJ03984)

Initial Calibration Verification (CHEM14/voa5g_0420A):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (29%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM14/0420_33-voa5g_0420A):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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.

Printed Name Jane Li
Position: Chemist
Date: 4/20/2015

Instrument: Chem14 04/21/15-1 (BJ03979, BJ03982, BJ03983, BJ03984)

Initial Calibration Verification (CHEM14/voa5g_0420A):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone (29%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM14/0421_03-voa5g_0420A):
99% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. The following compounds did not meet % deviation criteria: Acetone (36%)[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.

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April 29, 2015

SDG I.D.: GBJ03972

Printed Name	Jane Li
Position:	Chemist
Date:	4/21/2015

QC Comments: QC Batch 305786 04/23/15 (BJ03985, BJ03986, BJ03987, BJ03988, BJ03989, BJ03990, BJ03991, BJ03992, BJ03994, BJ03996)

The MS/MSD are not reported for this batch.

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April 29, 2015

SDG I.D.: GBJ03972

QC (Batch Specific)

---------- Sample No: BJ03990, QA/QC Batch: 305786 ----------

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.

---------- Sample No: BJ03993, QA/QC Batch: 305932 ----------

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.

---------- Sample No: BJ04526, QA/QC Batch: 305304 ----------

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: Acetone(32.9%)

---------- Sample No: BJ04667, QA/QC Batch: 305426 ----------

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.

---------- Sample No: BJ06375, QA/QC Batch: 305924 ----------

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.

VOA-624

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

Instrument: Chem21 04/20/15-1 (BJ03997, BJ03998, BJ03999)

Initial Calibration Verification (CHEM21/voa624aac_0420):
100% of target compounds met criteria.

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

The following compounds had %RSDs >35%: None.
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM21/0420_15-VOA624AAC_0420):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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.

Printed Name Heather Byrnie
Position: Chemist
Date: 4/20/2015

QC (Batch Specific)

---------- Sample No: BJ03803, QA/QC Batch: 305298 ----------

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.

VOA TCL Narration

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

Instrument: Chem03 04/24/15-1 (BJ03993)

Initial Calibration Verification (CHEM03/TCLSNJD_0420):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: Chloroethane (29%), Methylene Chloride (22%)
The following compounds did not meet a minimum response factor of 0.01: None.

Continuing Calibration Verification (CHEM03/0424L03-TCLSNJD_0420):
100% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the continuing calibration. 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: Acetone (.092)[0.1]
The following compounds did not meet minimum response factors: None.

Printed Name Jane Li
Position: Chemist
Date: 4/24/2015

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RCP Certification Report

April 29, 2015

SDG I.D.: GBJ03972

Temperature Narration

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

Cooler: Yes [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]
Temp 0 °C Pg 1 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[X] Phone: 203-630-1406
[X] Email: jkloss@blcompanies.com

Customer: BL companies
Address: 355 Research Parkway
Meriden, CT

Project: 14EC0016
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Dave [signature] Date: 4/16/15

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 8082	Pesticides	Total RCRA 8 Metals	TCLP RCRA 8 Metals	Soil VOA Vials [4] methanol [4] H2O	GL Soil container (8)oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 1500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03972	B-1 (0-2)	S	4/16/15	1030	X	X	X	X	X	X	X	3	1								
03973	B-1 (0-2) DUP			1030								3	1								
03974	B-2 (0-2)			1000								3	1								
03975	B-2 (4-6)			1005								3	1								
03976	B-3 (0-2)			940								3	1								
03977	B-3 (4-6)			945								3	1								
03978	B-4 (11-13)			130								3	1								
03979	B-5 (0-2)			1005								3	1								
03980	B-5 (2-4)			1110								3	1								
03981	B-6 (0-2)			1120								3	1								
03982	B-6 (11-13)			1125								3	1								
03983	B-7 (0-2)	S	4/16/15	1330	X	X	X	X	X	X	X	3	1								

Relinquished by:	Accepted by:	Date:	Time:
Rachel Hyland	Colisati	4-17-15	12:55
Colisati	[signature]	4/17/15	1545

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract / ISP Form
No tax

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[X] Other 5 Day
* SURCHARGE APPLIES

RI
[X] Direct Exposure (Residential)
[X] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[X] GA Mobility
[ ] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

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

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]
Temp 0 °C Pg 2 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[✓] Phone: 203-630-1400
[✓] Email: jklass@blcompanies

Customer: BL Companies
Address: 355 Research Parkway
Meriden, CT

Project: 14EC0016
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Dave R Date: 4/16/15

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 8082	Pesticides	Total RCRA 8 Metals	TCLP RCRA 8 Metal					Soil VOA Vials [✓] methanol [✓] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 250ml [ ] 500ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03984	B-7 (2-4)	S	4/16/15	1335	X	X	X	X	X	X	X					3	1								
03985	B-8 (0-2)			1240												3	1								
03986	B-8 (11-13)			1250												3	1								
03987	B-9 (0-2)			1300												3	1								
03988	B-9 (11-13)			1310												3	1								
03989	B-10 (0-2)			845												3	1								
03990	B-10 (2-4)			850												3	1								
03991	B-11 (1-3)			830												3	1								
03992	B-11 (4-6)			835												3	1								
03993	B-12 (0-2)			915												3	1								
03994	B-12 (5-7)	S	4/16/15	920	X	X	X	X	X	X	X					3	1								
(*) 03995	Trip Blank LL			—	X											2									

Relinquished by:	Accepted by:	Date:	Time:
Rachael Hyland	Colin Sato	4/17/15	12:55
Colin Sato			

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract / ISP Form / no tax
*03996 T. Blank LL *
(*) did not rcv H.L.
T.B. (TE)

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[✓] Other 5 Day
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

Data Format
[✓] Excel
[✓] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes [ ] No [ ]
Coolant: IPK [✓] ICE [ ] No [ ]
Temp 0 °C Pg 3 of 3

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CHAIN OF CUSTODY RECORD

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone:
[ ] Email:

Customer: BL Companies
Address: 355 Research Parkway
Meriden, CT

Project:
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 4/16/15

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 624	SVOCS 625	TPH 1664	Total RCRA 8	Dissolved RCRA 8	Total Cu, Zn	Dissolved Cu, Zn					Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03997	BGGW	GW	4/16/15	1230	X	X	X	X	X	X	X								3	3			2		
03998	Trip Blank	DI			X														2						
03999	Field Blank	DI	4/16/15		X	X	X	X	X	X	X								3	3			2		

Relinquished by:	Accepted by:	Date:	Time:
Rachael Hyland	Colonial	4-17-15	12:55
Colonial	[signature]	4/17/15	1545

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract/JSP Form/ no tax

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[✓] Other 5 Day
* 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

Data Format
[✓] Excel
[✓] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes [x] No [ ]
Coolant: IPK [ ] ICE [x] No [ ]
Temp 0 °C Pg 1 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[x] Phone: 203-630-1406
[x] Email: jkloss@blcompanies.com

Customer: BL companies
Address: 355 Research Parkway
Meriden, CT

Project: 14EC0016
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Dave [illegible] Date: 4/16/15

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 8082	Pesticides	Total RCRA 8 Metals	TCLP RCRA 8 Metals					Soil VOA Vials [x] methanol [x] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03972	B-1 (0-2)	S	4/16/15	1030	X	X	X	X	X	X	X					3	1								
03973	B-1 (0-2) DUP			1030												3	1								
03974	B-2 (0-2)			1000												3	1								
03975	B-2 (4-6)			1005												3	1								
03976	B-3 (0-2)			940												3	1								
03977	B-3 (4-6)			945												3	1								
03978	B-4 (11-13)			130												3	1								
03979	B-5 (0-2)			1605												3	1								
03980	B-5 (2-4			1110												3	1								
03981	B-6 (0-2)			1120												3	1								
03982	B-6 (11-13			1125												3	1								
03983	B-7 (0-2)	S	4/16/15	1330	X	X	X	X	X	X	X					3	1								

Relinquished by:	Accepted by:	Date:	Time:
[illegible]	Colsati	4/17/15	12:55
Colsati	[illegible]	4/17/15	1545

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract / ISP Form
No tax

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[x] Other 5 Day
* SURCHARGE APPLIES

RI
[x] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[x] RCP Cert
[ ] GW Protection
[ ] SW Protection
[x] GA Mobility
[ ] GB Mobility
[x] Residential DEC
[ ] I/C DEC
[ ] Other

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

Data Format
[x] Excel
[x] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐
Temp 0 °C Pg 2 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☒ Phone: 203-630-1408
☒ Email: jklass@blcompanies

Customer: BL Companies
Address: 355 Research Parkway
Meriden, CT

Project: 14EC0016
Report to:
Invoice to:
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Dave Rz Date: 4/16/15

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 8082	Pesticides	Total RCRA 8 Metals	TCLP RCRA 8 Metal	Soil VOA Vials w/ methanol + H2O	GL Soil container (8)oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03984	B-7(2-4)	S	4/16/15	1335	X	X	X	X	X	X	X	3	1								
03985	B-8 (0-2)			1240								3	1								
03986	B-8 (11-13)			1250								3	1								
03987	B-9 (0-2)			1300								3	1								
03988	B-9 (11-13)			1310								3	1								
03989	B-10 (0-2)			845								3	1								
03990	B-10 (2-4)			850								3	1								
03991	B-11 (1-3)			830								3	1								
03992	B-11 (4-6)			835								3	1								
03993	B-12 (0-2)			915								3	1								
03994	B-12 (5-7)	S	4/16/15	920	X	X	X	X	X	X	X	3	1								
* 03995	Trip Blank LL			—	X							2									

Relinquished by:	Accepted by:	Date:	Time:
Rachael Hyland	[signature]	4/17/15	12:55
[signature]	Lisa Arnold	4/17	1545

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract / ISP Form / no tax

*03996 T. Blank LL *
* did not rcv H.L.
T.B. TS

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☒ Other 5 Day
* 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

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

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

State where samples were collected: CT

* SURCHARGE APPLIES

Cooler: Yes [ ] No [ ]
Coolant: IPK [ ] ICE [ ] No [ ]
Temp 10 °C Pg 3 of 3

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

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Address: 355 Research Parkway
Meriden, CT

Project:
Report to:
Invoice to:
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 4/16/15

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 624	SVOCs 625	TPH 1664	Total RCRA 8	Dissolved RCRA 8	Total Cu, Zn	Dissolved Cu, Zn	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( )oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
03997	BGGW	GW	4/16/15	1230	X	X	X	X	X	X	X				3	3			2		
03998	Trip Blank	DI			X										2						
03999	Field Blank	DI	4/16/15		X	X	X	X	X	X	X				3	3			2		

Relinquished by:	Accepted by:	Date:	Time:
Rachael Hyland	Colbert	4-17-15	12:55
Colbert	[signature]	4/17/15	1545

Comments, Special Requirements or Regulations:
PO# 152666 DAS Contract/ISP Form/ no tax

Turnaround:
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[ ] 3 Days*
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[x] Other 5 Day
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[ ] Other

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[ ] GA Mobility
[ ] GB Mobility
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[ ] I/C DEC
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MA
[ ] MCP Certification
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[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[x] Excel
[x] PDF
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[ ] Other

Data Package
[ ] Tier II Checklist
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State where samples were collected: CT

* SURCHARGE APPLIES