Appendix G
Hazardous Materials

Report on Soil Investigation

NYC Parks - Conference House Park
Fill Area – Tricia Way, Staten Island, NY

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1.0 INTRODUCTION

A *Report on Soil Investigation* has been prepared by Preferred Environmental Services (Preferred), on behalf of Tectonic Engineering (Tectonic), under their contract assignment with the Bureau of Environmental Review and Assessment (BERA) Governor's Office of Storm Recovery (GOSR), specifically for an Area of Concern (AOC), located on the New York City Department of Parks (NYCDP) property known as Conference House Park. This AOC was identified as historic fill of an unknown origin located southeast of the intersection of Tricia Way and Joline Avenue in Staten Island, New York 10307 (see Figure 1).

The purpose of the soil investigation was to characterize the historic fill (AOC) for the purposes of removing the fill and identifying reuse alternatives. The actual reuse of the fill has not been determined. Based on aerial photographs, the amount of fill has been estimated to be approximately 3,250 cubic yards. Samples of the fill were collected to determine if the fill meets the applicable New York State Department of Environmental Conservation (NYSDEC) standards, criteria, and guidance (SCGs) for off-site export and reuse and in accordance with NYSDEC DER - 10 Table 5.4 (e) (10) "Recommended Number of Soil Samples for Soil Imported To or Exported From a Site."

2.0 PROPERTY DESCRIPTION

2.1 Property Setting

The AOC is located at the southernmost tip of Staten Island, south of Tottenville. The overall elongate roughly rectangular area is situated to the southeast of the intersection of Tricia Way and Joline Avenue in Staten Island, New York and also abuts the Raritan Bay shoreline. The BERA had previously provided figures and photographs that depicted the AOC which was reported to encompass an area approximately 325 feet long by 45 feet wide and up to six (6) feet deep below grade surface (bgs). During the implementation of this soil investigation, fill material was identified in some areas to a total depth of eight (8) feet bgs. Directly to the north are large residential developments whose backyards abut an open level vegetated area that is located between the residential development and the AOC. Joline Avenue abuts the western edge of the AOC. Overall, the AOC appears to be unimproved with the exception of surficial grass vegetation, and rip-rap boulders on the southern and eastern perimeters, that were installed to provide stability for the abutting shoreline of the Raritan Bay.

2.2 Site Geology/Hydrogeology

According to the New York Geological Survey information (A.I. Benimoff), the surficial soils in the area of the AOC are part of the deposits associated with a glacial terminal moraine. The terminal moraine is comprised of a blanket of loose unconsolidated sand, gravel, cobbles, boulders (derived from local rock units) within a clayey and silty matrix, poorly sorted material known as glacial till. The maximum thickness of the moraine deposits is recorded at 75 feet (USGS, WRI 87-4048, 1988). Groundwater can be present in the moraine deposits under either water table or confined conditions. Groundwater flow direction is seaward (south), toward the saline water.

2.3 Historical Land Use/Documentation

Aerial Photographs - Aerial photographs provided from 2001 and 2012 were reviewed to ascertain historic site activities. The 2001 aerial photograph depicts the AOC as sloping toward the shoreline and of a different width and length as compared to 2012 or its current configuration. The BERA provided figures and photographs which depict the AOC as area approximately 325 feet long by 45 feet wide.

3.0 SCOPE OF WORK

3.1 Scope of Work

A soil investigation was implemented on July 18, 2016 to characterize the aforementioned historic fill material. Preferred's field investigation of the AOC noted that the historic fill material ranged in thickness from four (4) to eight (8) feet. Based upon a variable thickness across the AOC, the soil investigation sampling program was modified to include the collection of an additional set of samples, to ensure sufficient data to provide a representation of up to potentially 5,000+- cubic yards of fill material. A total of six (6) soil borings were installed using a Geoprobe direct push drill rig (Geoprobe 7822DM). Each boring location was individually composited and a total of fifteen (15) discrete VOC samples and six (6) Composite Samples were collected as discussed below.

3.2 Preliminary Activities

3.2.1 Project Planning and Coordination

A soil sampling work plan identifying the location and number of samples required to "establish a trend of compliance" as provided in NYSDEC's DER-10/Technical Guidance for Site Investigation and Remediation, Chapter 5, Section 5.4(e)(3)(ii)(3) in accordance with Table 5.4.(e)(10) of NYSDEC's DER-10 was provided, reviewed, and approved by BERA.

In addition to the development of this soil investigation work plan, project planning included the preparation of a site specific Summary Health and Safety Plan (HASP) and Job Hazard Assessment (JHA) to address potential safety and health concerns during the soil investigation. Additional effort included the coordination with GOSR and Department of Parks prior to the start of field activities. GOSR had contacted the Parks Department (property owner) and made all necessary arrangements for site access. It was confirmed that a New York State Department of Transportation (DOT) right-of-way exists on within the AOC. The location of the right-of-way was depicted on a site plan (Figure 2) and arrangements were made to not drill soil borings within the NYS DOT right-of-way. As shown on Figure 2, due to the position of the AOC within the right-of-way, the sampling locations were skewed to the south edge of the right-of-way toward the shoreline, in consensus with the Department of Parks representative on-site.

3.2.2 Utilities Clearance - Preferred and their subcontractor performed the required utility markouts. A Code 753 utility mark-out was completed as per the 16 New York Codes, Rules and Regulations (NYCRR) Part 753. Consistent with the "One-Call" criteria, with a request made at least 72 hours prior to initiating field work. Preferred's drilling subcontractor AARCO Environmental Services Corp. (AARCO) contacted the New York One-Call to perform public property utility mark-outs prior to initiating drilling activities. Confirmation that the utilities have been marked out, as per code 753 requirements, when received from the participating utilities by facsimile or telephone, are maintained in Preferred's files. Utility markout Case # 161740803 was initially assigned to this utility markout and amended for an updated field schedule of July 18, 2016. In addition to the markout, hand clearing was performed to a total depth of two (2) feet bgs at the proposed soil boring locations, to clear these locations for sprinklers.

3.2 Soil Investigation

The NYSDEC Technical Guidance for Site Investigation and Remediation Section 3.11(a)(1)(ii) states that investigation of historic fill material (HFM) should include at least four borings or test pits per acre HFM. In order for the soil borings to be representative of the aerial extent of the fill, these borings were installed and advanced through the fill material to native soil, so that the vertical limit of the fill material could be established. The AOC containing the historic fill material was divided into approximate grids that were 65 feet +- wide with a minimum of one (1) soil boring advanced in each grid to native soil. A sixth soil boring was added to provide additional analytical testing data as discussed above.

As shown on Figure 2, due to the position of the AOC within the NYS DOT right-of-way, the sampling locations were skewed to the south edge of the right-of-way toward the shoreline, in consensus with the Department of Parks representative on-site.

Initially, native soil was anticipated to be encountered at approximately six (6) feet bgs; whereas, field inspection confirmed that the thickness of the historic fill was approximately four (4) feet at the southern portion of the AOC, thicker to the north at six (6) feet, with thickening (up to eight (8) feet) within the eastern portion of the AOC. Soil boring logs were developed from the installation of soil borings to document the historic fill composition and thickness as well as the depth to native soil. These soil boring logs are provided in Appendix A.

The approved Sampling Work Plan cited the collection and analysis of 13 discrete Volatile Organic Compound (VOC) samples and 5 Composite Samples for the estimated 3,250 cubic yards of historic fill material. However, as it was determined during the implementation of the soil investigation program, that the fill layer appeared to be thicker than expected, a total of 15 discrete VOC samples and 6 Composite Samples were collected to provide a representation of up to 5,000 cubic yards (NYSDEC DER - 10 Table 5.4 (e) (10)).

After the staking and hand clearing each boring location, the driller advanced all soil borings using direct push technology at the locations selected by Preferred's Geologist. During the soil investigation, continuous sampling and screening of the soil column was conducted at the six (6) locations. Soil samples were collected continuously from ground surface to the native soil interface using a macrocore sampler with a dedicated disposable acetate liner from each boring. Soil lithology and soil vapor field screening were documented by Preferred's geologist, Mr. Bryan Comey. Soil vapor was field screened by measuring the vapor in macrocore using a Photoionization Detector (PID) calibrated to 100 parts per million (ppm) isobutylene standard. Preferred's geologist also noted any pertinent conditions in the soil logs at each boring location such as discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, and other field indicators. Additionally, the Quality Assurance and Quality Control (QA/QC) procedures provided in Section 4.0 of the Sampling Work Plan were followed during the collection and containerization of the composite and grab samples.

The historic fill material was observed to consist of dry, well-to-poorly-graded gravel, gravel-sand-silt mixtures, crushed rock, very little intermixed brick, with no odors or PID responses above ambient background air concentrations. Overall, no evidence was present of any construction demolition debris or other suspect material other than a minute quantity of brick and crushed rock. The underlying native soil at the historic fill interface was observed to consist of a tight, low permeability red-brown silt and clay, undisturbed, with no odors or PID responses above ambient air concentrations. Deeper borings indicated the presence of a native soil sequence that consisted of organic clays followed by humus, peat and swamp soils with high organic content, at the deepest portion of the soil borings.

All borings were composited from 0 to 6 feet bgs or 0 to 8 feet bgs to allow for a representation of the entire potential historic fill material interval (location specific - see boring logs). Preferred's field screening of the soil column at all six (6) soil borings did not observe any PID responses above ambient air concentrations. Therefore, as no significant PID responses were noted, discrete VOC grab samples were collected at

following relative depths: 0-2 feet bgs; 2-4 feet bgs, and variable deeper intervals (e.g., 4-6 feet bgs, or 6-8 feet bgs), dependent upon the thickness of observable historic fill material. The samples were submitted for analysis for the following constituents and analytical testing methods:

- Fifteen (15) grab samples for Target Compound List (TCL) Volatile Organic Compounds by EPA Method 8260;
- Six (6) composite samples for TCL Semi-volatile organic compounds by EPA Method 8270;
- Six (6) composite samples for TCL Pesticides/PCBs by EPA Method 8081/8082; and
- Six (6) composite samples for Target Analyte List metals by EPA Method 6010 and 7471; hexavalent chromium (SMI9-22 3500CRD) and total Cyanide (EPA Method 9012B).

The samples were placed in cooler containing ice after collection and were kept in an iced cooler until delivery to the analytical laboratory. These samples were submitted for analysis by an NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Phoenix Labs). A copy of the summary analytical testing data is provided in Appendix B. After the collection of soil samples, the soil borings were backfilled to grade.

3.3 Analytical Testing Results

The analytical results of the six (6) soil samples have been presented in tabular form (Table 1 - VOCs and Table 2 - Composite Samples) and compared to Unrestricted and Restricted Soil Cleanup Objectives (SCOs), 6 NYCRR 375-6.8(a) and (b) and other Soil Cleanup Objectives (SCOs).

No VOCs were reported above their applicable Method Detection Limits (MDLs) with the exception of acetone detected at five (5) of the fifteen (15) VOC samples (SB-1 at 4-6 feet bgs; SB-2 at 6-8 feet bgs; SB-3 at 0-2 feet bgs and 4-6 feet bgs; SB-4 at 2-4 feet bgs; and SB-5 at 4-6 feet bgs) at varying concentrations up to 180 micrograms per kilogram (ug/kg). Acetone has been flagged as a typical laboratory contamination constituent. Therefore, the presence of acetone in these samples is considered to not be site related nor a constituent of concern.

No SVOCs were reported above their applicable MDLs, with the exception of the following select SVOC constituents, at concentrations well below their applicable Part 375 Unrestricted Soil Cleanup Objectives (USCOs): SB-2: benzo(g,h,i) perylene at 280 ug/kg and indeno(1,2,3-cd)pyrene at 300 ug/kg; SB-3:

fluoranthene at 270 ug/kg and pyrene at 280 ug/kg; SB-6: benzo(a) pyrene at 270 ug/kg, benzo(a)anthracene at 260 ug/kg, benzo(b)fluoranthene at 270 ug/kg, chrysene at 290 ug/kg, fluoranthene at 470 ug/kg, and pyrene at 430 ug/kg.

No PCBs were reported above their respective MDLs at any of the six (6) composite samples. Several pesticides (4,4-DDD, 4,4-DDE, 4,4-DDT, chlordane and related subspecies) were reported above their MDLs at three (3) of the six (6) composite samples (SB-1, SB-3 and SB-6) as well as above their USCO at SB-3 and SB-6. However, none of these concentrations were present at a concentration elevated above the NYSDEC Part 375 Restricted Residential (RR) SCOs.

TAL metals are naturally occurring and therefore the majority of these compounds commonly are present above their respective MDLs in soil samples. Of the six (6) composite samples analyzed, two (2) TAL metals (lead and nickel) were present above their respective Part 375 UUSCO at the following: lead at three (3) sampling locations (SB-3, SB-5 and SB-6) and nickel only at SB-6. Lead was present at a concentration of 63.4 mg/kg at SB-3 and 80.1 mg/kg at SB-5, and 68.7 mg/kg at SB-6. These concentrations are only slightly above the comparative concentration of USCO of 63.0 mg/kg. Nickel was present at a concentration of 58.6 mg/kg at SB-6 as compared to 30 mg/kg for Unrestricted SCO. However, none of these concentrations were present at a concentration elevated above the NYSDEC Part 375 Restricted Residential SCOs.

4.0 SUMMARY AND CONCLUSIONS

4.1 Summary

A soil investigation was undertaken on behalf of the Bureau of Environmental Review and Assessment, Governor's Office of Storm Recovery, specifically for the Area of Concern (AOC), located on the NYCDP property known as Conference House Park. This AOC was identified as historic fill of an unknown origin located southeast of the intersection of Tricia Way and Joline Avenue in Staten Island, New York 10307.

The purpose of the soil investigation was to characterize the historic fill for the purposes of removing the fill and identifying reuse alternatives. Representative samples of the historic fill were collected on July 18, 2016 to determine if the fill meets the applicable NYSDEC standards, criteria, and guidance (SCGs) for off-site export and reuse and in accordance with NYSDEC DER - 10 Table 5.4 (e) (10). Review of the analytical testing data generated during the soil investigation confirms that the fill material is consistent with historic fill but does not contain any substantial quantities of construction, demolition debris or any other suspect conditions. Analytical testing of the material indicates that two metal compounds (lead and nickel) were present at concentrations only slightly above their respective Part 375 USCO. Lead was elevated above the USCO at three (3) sampling locations (SB-3, SB-5 and SB-6) and nickel at one location, SB-6. However, none of these concentrations were present at a concentration elevated above the NYSDEC Part 375 Restricted Residential SCOs. Therefore, the analytical testing of the historic fill material indicates that a portion of the material *is not in compliance* with the USCOs, which is required to be deemed acceptable by NYSDEC for on-site or off-site re-use.

4.2 Conclusions

In order to be considered for re-use on-site or off-site, the historic fill must meet the requirements of 6 NYCRR 375-6.7(d), be free of extraneous debris or solid waste; be recognizable soil or other unregulated material as set forth in 6 NYCRR Part 360 and cannot exceed the USCO. The analytical testing of the historic fill material indicates that a portion of the AOC is not in compliance with the USCOs. However, the testing data confirms that the historic fill meets the criteria established for Restricted Residential. As per NYSDEC Part 375-6.4, the Restricted Residential Use SCOs were developed to provide protection of public health in situations of where contamination has been identified in soil above the Unrestricted Use SCO for a compound listed in Table 375-6.5(b). In addition to protection of public health, soil cleanup objectives also

provide protection of groundwater and ecological resources.

As a portion of the historic fill meets the criteria established for Restricted Residential, in order to consider the on-site re-use of this material, a determination needs to be made if the minor concentrations of lead and nickel are protective of human health, groundwater and ecological resources relative to this specific AOC. Further considerations relative to the potential re-use of this material on-site can include institutional and engineering controls such as capping and deed restrictions. The NYSDEC should be consulted relative to the findings of this study and the acceptability of re-use of this material as well as the need for either institutional or engineering controls.

N
W E
S

SCALE:

0 50 ft

Figure 1 - Site Location Map

Site: NYC Parks - Conference House Park Fill Area
Tricia Way, Staten Island, NY

Date: June 23, 2016

Source: www.googlemaps.com

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax : (516) 213-8156

- Proposed Soil Boring Location

SCALE:

0 — 50 ft

Figure 2 - Soil Sampling Locations - July 18, 2016

Site: NYC Parks - Conference House Park Fill Area
Tricia Way, Staten Island, NY

Date: August 3, 2016

Source: www.googlemaps.com

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
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Table 1
VOC Grab Sample Soil Analytical Results with Comparison
to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	NYSDEC Part 375 Proctection of Groundwater	SB-1 (0-2ft)		SB-1 (4-6ft)		SB-2 (0-2ft)		SB-2 (2-4ft)		SB-2 (6-8ft)	
Lab Sample Number								BN75967		BN75968		BN75970		BN75971		BN75972	
Sampling Date								7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL		SOIL		SOIL		SOIL	
COMPOUND	CAS Number	Units															
Volatiles (TCL) By SW8260C																	
1,1,1-Trichloroethane	71-55-6	ug/kg	500,000	100,000	100,000	680	680	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,1,2-Trichloroethane	79-00-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,1-Dichloroethane	75-34-3	ug/kg	240,000	19,000	26,000	270	270	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,1-Dichloroethene	75-35-4	ug/kg	500,000	100,000	100,000	330	330	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2,3-Trichlorobenzene	87-61-6	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2-Dibromoethane	106-93-4	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2-Dichlorobenzene	95-50-1	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2-Dichloroethane	107-06-2	ug/kg	30,000	2,300	3,100	20	20	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,2-Dichloropropane	78-87-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,3-Dichlorobenzene	541-73-1	ug/kg	280,000	17,000	49,000	2,400	2,400	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,4-Dichlorobenzene	106-46-7	ug/kg	130,000	9,800	13,000	1,800	1,800	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
2-Hexanone	591-78-6	ug/kg	NS	NS	NS	NS	NS	< 27		< 28		< 28		< 22		< 22	
4-Methyl-2-pentanone	108-10-1	ug/kg	NS	NS	NS	NS	NS	< 27		< 28		< 28		< 22		< 22	
Acetone	67-64-1	ug/kg	500,000	100,000	100,000	50	50	< 50		**180**	S	< 50		< 43		**63**	S
Benzene	71-43-2	ug/kg	44,000	2,900	4,800	60	60	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Bromochloromethane	74-97-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Bromodichloromethane	75-27-4	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Bromoform	75-25-2	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Bromomethane	74-83-9	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Carbon Disulfide	75-15-0	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Carbon tetrachloride	56-23-5	ug/kg	22,000	1,400	2,400	760	760	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Chlorobenzene	108-90-7	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Chloroethane	75-00-3	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Chloroform	67-66-3	ug/kg	350,000	10,000	49,000	370	370	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Chloromethane	74-87-3	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
cis-1,2-Dichloroethene	156-59-2	ug/kg	500,000	59,000	100,000	250	250	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
cis-1,3-Dichloropropene	10061-01-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Cyclohexane	110-82-7	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Dibromochloromethane	124-48-1	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Dichlorodifluoromethane	75-71-8	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Ethylbenzene	100-41-4	ug/kg	390,000	30,000	41,000	1,000	1,000	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Isopropylbenzene	98-82-8	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
m&p-Xylene	179601-23-1	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Methyl ethyl ketone	78-93-3	ug/kg	500,000	100,000	100,000	120	120	< 33		< 34		< 33		< 26		< 26	
Methyl t-butyl ether (MTBE)	1634-04-4	ug/kg	500,000	62,000	100,000	930	930	< 11		< 11		< 11		< 8.6		< 8.6	
Methylacetate	79-20-9	ug/kg	NS	NS	NS	NS	NS	< 4.4		< 4.6		< 4.4		< 3.5		12	
Methylcyclohexane	108-87-2	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Methylene chloride	75-09-2	ug/kg	500,000	51,000	100,000	50	50	< 27		< 28		< 28		< 22		< 22	
o-Xylene	95-47-6	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Styrene	100-42-5	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Tetrachloroethene	127-18-4	ug/kg	150,000	5,500	19,000	1,300	1,300	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Toluene	108-88-3	ug/kg	500,000	100,000	100,000	700	700	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Total Xylenes	1330-20-7	ug/kg	NS	NS	100,000	260	1,600	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
trans-1,2-Dichloroethene	156-60-5	ug/kg	500,000	100,000	100,000	190	190	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
trans-1,3-Dichloropropene	10061-02-6	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Trichloroethene	79-01-6	ug/kg	200,000	10,000	21,000	470	470	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Trichlorofluoromethane	75-69-4	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Trichlorotrifluoroethane	76-13-1	ug/kg	NS	NS	NS	NS	NS	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
Vinyl chloride	75-01-4	ug/kg	13,000	210	900	20	20	< 5.5		< 5.7		< 5.5		< 4.3		< 4.3	
1,4-dioxane By SW8260C																	
1,4-dioxane	123-91-1	ug/kg	130,000	9,800	13,000	100	100	< 100		< 100		< 100		< 86		< 86	

Notes:
NS - No Standard, indicates no guidance values exist for the listed analyte
S - Laboratory solvent, contamination is possible.

Table 1
VOC Grab Sample Soil Analytical Results with Comparison
to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	NYSDEC Part 375 Proctection of Groundwater	SB-3 (0-2ft)		SB-3 (2-4ft)		SB-3 (4-6ft)		SB-4 (0-2ft)		SB-4 (2-4ft)	
Lab Sample Number								BN75974		BN75975		BN75976		BN75978		BN75979	
Sampling Date								7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL		SOIL		SOIL		SOIL	
COMPOUND	CAS Number	Units															
Volatiles (TCL) By SW8260C																	
1,1,1-Trichloroethane	71-55-6	ug/kg	500,000	100,000	100,000	680	680	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,1,2-Trichloroethane	79-00-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,1-Dichloroethane	75-34-3	ug/kg	240,000	19,000	26,000	270	270	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,1-Dichloroethene	75-35-4	ug/kg	500,000	100,000	100,000	330	330	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2,3-Trichlorobenzene	87-61-6	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2-Dibromoethane	106-93-4	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2-Dichlorobenzene	95-50-1	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2-Dichloroethane	107-06-2	ug/kg	30,000	2,300	3,100	20	20	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,2-Dichloropropane	78-87-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,3-Dichlorobenzene	541-73-1	ug/kg	280,000	17,000	49,000	2,400	2,400	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,4-Dichlorobenzene	106-46-7	ug/kg	130,000	9,800	13,000	1,800	1,800	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
2-Hexanone	591-78-6	ug/kg	NS	NS	NS	NS	NS	< 27		< 29		< 28		< 22		< 28	
4-Methyl-2-pentanone	108-10-1	ug/kg	NS	NS	NS	NS	NS	< 27		< 29		< 28		< 22		< 28	
Acetone	67-64-1	ug/kg	500,000	100,000	100,000	50	50	< 50		**54**	S	**75**	S	< 44		**99**	S
Benzene	71-43-2	ug/kg	44,000	2,900	4,800	60	60	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Bromochloromethane	74-97-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Bromodichloromethane	75-27-4	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Bromoform	75-25-2	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Bromomethane	74-83-9	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Carbon Disulfide	75-15-0	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Carbon tetrachloride	56-23-5	ug/kg	22,000	1,400	2,400	760	760	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Chlorobenzene	108-90-7	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Chloroethane	75-00-3	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Chloroform	67-66-3	ug/kg	350,000	10,000	49,000	370	370	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Chloromethane	74-87-3	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
cis-1,2-Dichloroethene	156-59-2	ug/kg	500,000	59,000	100,000	250	250	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
cis-1,3-Dichloropropene	10061-01-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Cyclohexane	110-82-7	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Dibromochloromethane	124-48-1	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Dichlorodifluoromethane	75-71-8	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Ethylbenzene	100-41-4	ug/kg	390,000	30,000	41,000	1,000	1,000	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Isopropylbenzene	98-82-8	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
m&p-Xylene	179601-23-1	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Methyl ethyl ketone	78-93-3	ug/kg	500,000	100,000	100,000	120	120	< 32		< 35		< 34		< 26		< 33	
Methyl t-butyl ether (MTBE)	1634-04-4	ug/kg	500,000	62,000	100,000	930	930	<11		< 12		< 11		< 8.8		< 11	
Methylacetate	79-20-9	ug/kg	NS	NS	NS	NS	NS	< 4.3		< 4.7		< 4.5		< 3.5		6.8	
Methylcyclohexane	108-87-2	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Methylene chloride	75-09-2	ug/kg	500,000	51,000	100,000	50	50	< 27		< 29		< 28		< 22		< 28	
o-Xylene	95-47-6	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Styrene	100-42-5	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Tetrachloroethene	127-18-4	ug/kg	150,000	5,500	19,000	1,300	1,300	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Toluene	108-88-3	ug/kg	500,000	100,000	100,000	700	700	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Total Xylenes	1330-20-7	ug/kg	NS	NS	100,000	260	1,600	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
trans-1,2-Dichloroethene	156-60-5	ug/kg	500,000	100,000	100,000	190	190	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
trans-1,3-Dichloropropene	10061-02-6	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Trichloroethene	79-01-6	ug/kg	200,000	10,000	21,000	470	470	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Trichlorofluoromethane	75-69-4	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Trichlorotrifluoroethane	76-13-1	ug/kg	NS	NS	NS	NS	NS	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
Vinyl chloride	75-01-4	ug/kg	13,000	210	900	20	20	< 5.4		< 5.8		< 5.7		< 4.4		< 5.6	
1,4-dioxane By SW8260C																	
1,4-dioxane	123-91-1	ug/kg	130,000	9,800	13,000	100	100	< 100		< 100		< 100		< 88		< 100	

Notes:
NS - No Standard, indicates no guidance values exist for the listed analyte
S - Laboratory solvent, contamination is possible.

Table 1
VOC Grab Sample Soil Analytical Results with Comparison
to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	NYSDEC Part 375 Proctection of Groundwater	SB-4 (6-8ft)		SB-5 (0-2 ft)		SB-5 (4-6ft)		SB-6 (0-2ft)		SB-6 (6-8ft)	
Lab Sample Number								BN75980		BN75982		BN75983		BN75985		BN75986	
Sampling Date								7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q	7/18/2016	Q
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL		SOIL		SOIL		SOIL	
COMPOUND	CAS Number	Units															
Volatiles (TCL) By SW8260C																	
1,1,1-Trichloroethane	71-55-6	ug/kg	500,000	100,000	100,000	680	680	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,1,2-Trichloroethane	79-00-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,1-Dichloroethane	75-34-3	ug/kg	240,000	19,000	26,000	270	270	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,1-Dichloroethene	75-35-4	ug/kg	500,000	100,000	100,000	330	330	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2,3-Trichlorobenzene	87-61-6	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2,4-Trichlorobenzene	120-82-1	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2-Dibromoethane	106-93-4	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2-Dichlorobenzene	95-50-1	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2-Dichloroethane	107-06-2	ug/kg	30,000	2,300	3,100	20	20	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,2-Dichloropropane	78-87-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,3-Dichlorobenzene	541-73-1	ug/kg	280,000	17,000	49,000	2,400	2,400	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,4-Dichlorobenzene	106-46-7	ug/kg	130,000	9,800	13,000	1,800	1,800	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
2-Hexanone	591-78-6	ug/kg	NS	NS	NS	NS	NS	< 28		< 28		< 29		< 28		< 29	
4-Methyl-2-pentanone	108-10-1	ug/kg	NS	NS	NS	NS	NS	< 28		< 28		< 29		< 28		< 29	
Acetone	67-64-1	ug/kg	500,000	100,000	100,000	50	50	< 50		< 50		**120**	S	< 50		< 50	
Benzene	71-43-2	ug/kg	44,000	2,900	4,800	60	60	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Bromochloromethane	74-97-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Bromodichloromethane	75-27-4	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Bromoform	75-25-2	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Bromomethane	74-83-9	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Carbon Disulfide	75-15-0	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Carbon tetrachloride	56-23-5	ug/kg	22,000	1,400	2,400	760	760	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Chlorobenzene	108-90-7	ug/kg	500,000	100,000	100,000	1,100	1,100	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Chloroethane	75-00-3	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Chloroform	67-66-3	ug/kg	350,000	10,000	49,000	370	370	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Chloromethane	74-87-3	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
cis-1,2-Dichloroethene	156-59-2	ug/kg	500,000	59,000	100,000	250	250	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
cis-1,3-Dichloropropene	10061-01-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Cyclohexane	110-82-7	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Dibromochloromethane	124-48-1	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Dichlorodifluoromethane	75-71-8	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Ethylbenzene	100-41-4	ug/kg	390,000	30,000	41,000	1,000	1,000	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Isopropylbenzene	98-82-8	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
m&p-Xylene	179601-23-1	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Methyl ethyl ketone	78-93-3	ug/kg	500,000	100,000	100,000	120	120	< 34		< 34		< 35		< 34		< 34	
Methyl t-butyl ether (MTBE)	1634-04-4	ug/kg	500,000	62,000	100,000	930	930	< 11		< 11		< 12		< 11		< 11	
Methylacetate	79-20-9	ug/kg	NS	NS	NS	NS	NS	< 4.5		< 4.5		< 4.7		< 4.5		< 4.6	
Methylcyclohexane	108-87-2	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Methylene chloride	75-09-2	ug/kg	500,000	51,000	100,000	50	50	< 28		< 28		< 29		< 28		< 29	
o-Xylene	95-47-6	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Styrene	100-42-5	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Tetrachloroethene	127-18-4	ug/kg	150,000	5,500	19,000	1,300	1,300	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Toluene	108-88-3	ug/kg	500,000	100,000	100,000	700	700	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Total Xylenes	1330-20-7	ug/kg	NS	NS	100,000	260	1,600	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
trans-1,2-Dichloroethene	156-60-5	ug/kg	500,000	100,000	100,000	190	190	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
trans-1,3-Dichloropropene	10061-02-6	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Trichloroethene	79-01-6	ug/kg	200,000	10,000	21,000	470	470	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Trichlorofluoromethane	75-69-4	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Trichlorotrifluoroethane	76-13-1	ug/kg	NS	NS	NS	NS	NS	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
Vinyl chloride	75-01-4	ug/kg	13,000	210	900	20	20	< 5.6		< 5.6		< 5.9		< 5.6		< 5.7	
1,4-dioxane By SW8260C																	
1,4-dioxane	123-91-1	ug/kg	130,000	9,800	13,000	100	100	< 100		< 100		< 100		< 100		< 100	

Notes:
NS - No Standard, indicates no guidance values exist for the listed analyte
S - Laboratory solvent, contamination is possible.

Table 2
Composite Sample Soil Analytical Results with Comparison
to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSCRR Part 375 Proctection of Groundwater	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6	
Lab Sample Number								BN75966	Q	BN75969	Q	BN75973	Q	BN75977	Q	BN75981	Q	BN75984	Q
Sampling Date								7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016	
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	Soil		Soil		Soil		Soil		Soil		Soil	
COMPOUND	CAS Number	Units																	
Chromium, Hex. (SW3060 digestion)																			
Chromium, Hex. (SW3060 digestion)	18540-29-9	mg/Kg	400	19	22	110	1	< 0.46		< 0.45		< 0.45		< 0.47		< 0.45		< 0.45	
pH - Soil																			
pH - Soil	PHNX - PH	pH Units	NS	NS	NS	NS	NS	8.68		7.8		7.77		7.94		8.09		8.12	
Redox Potential																			
Redox Potential	PHNX - REDOX	mV	NS	NS	NS	NS	NS	212		208		207		198		207		219	
Total Cyanide (SW9010C Distill.)																			
Total Cyanide (SW9010C Distill.)	57-12-5	mg/Kg	27	40	27	27	27	< 0.57		< 0.57		2.65		< 0.58		< 0.51		< 0.57	
Metals, Total (mg/kg)																			
Aluminum	7429-90-5	mg/Kg	NS	NS	NS	NS	NS	8,530		9,570		9,740		9,520		7,600		8,860	
Antimony	7440-36-0	mg/Kg	NS	NS	NS	NS	NS	< 3.8		< 3.5		< 3.4		< 4.0		< 3.4		< 3.5	
Arsenic	7440-38-2	mg/Kg	16	16	16	16	13	6.1		5.42		5.7		4.9		5.96		6.09	
Barium	7440-39-3	mg/Kg	400	820	350	400	350	72.8		77		73.5		87.8		56.5		67.9	
Beryllium	7440-41-7	mg/Kg	590	47	14	72	7.2	0.56		0.56		0.52		0.58		0.5		0.65	
Cadmium	7440-43-9	mg/Kg	9.3	7.5	2.5	4.3	2.5	< 0.38		< 0.35		0.41		< 0.40		< 0.34		0.4	
Calcium	7440-70-2	mg/Kg	NS	NS	NS	NS	NS	5,460		2,790		6,200		2,230		3,050		4,790	
Chromium	7440-47-3	mg/Kg	NS	NS	NS	NS	30	21.2		20.5		24.1		18.2		19.4		29.3	
Cobalt	7440-48-4	mg/Kg	NS	NS	NS	NS	NS	7.93		8.12		7.69		7.49		7.42		10.6	
Copper	7440-50-8	mg/Kg	270	1,720	270	270	50	45.2		35.2		43.7		34.4		39.1		38.3	
Iron	7439-89-6	mg/Kg	NS	NS	NS	NS	NS	18,600		18,700		19,600		21,600		16,600		23,200	
Lead	7439-92-1	mg/Kg	1,000	450	400	400	63	61.2		46.3		**63.4**		51.7		**80.1**		**68.7**	
Magnesium	7439-95-4	mg/Kg	NS	NS	NS	NS	NS	3,960		3,300		4,900		2,850		2,690		6,810	
Manganese	7439-96-5	mg/Kg	10,000	2,000	2,000	2,000	1,600	273		307		330		386		259		345	
Mercury	7439-97-6	mg/Kg	2.8	0.73	0.81	0.81	0.18	0.08		0.04		0.08		0.06		0.13		0.06	
Nickel	7440-02-0	mg/Kg	310	130	140	310	30	25.9		18.4		26.6		16.7		27.1		**58.6**	
Potassium	9/7/7440	mg/Kg	NS	NS	NS	NS	NS	1,500		1,250		1,360		1,300		1,230		1,410	
Selenium	7782-49-2	mg/Kg	1,500	4	36	180	3.9	< 1.5		< 1.4		< 1.4		< 1.6		< 1.4		< 1.4	
Silver	7440-22-4	mg/Kg	1,500	8.3	36	180	2	< 0.38		< 0.35		< 0.34		< 0.40		< 0.34		< 0.35	
Sodium	7440-23-5	mg/Kg	NS	NS	NS	NS	NS	392		169		233		223		262		372	
Thallium	7440-28-0	mg/Kg	NS	NS	NS	NS	NS	< 3.4		< 3.2		< 3.1		< 3.6		< 3.1		< 3.2	
Vanadium	7440-62-2	mg/Kg	NS	NS	NS	NS	NS	27.7		27.9		29.5		25.9		24		37.7	
Zinc	7440-66-6	mg/Kg	10,000	2,480	2,200	10,000	109	68.9		71		87.8		103		70.9		79.8	
PCBs By SW8082A																			
PCB-1016	12674-11-2	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1221	11104-28-2	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1232	11141-16-5	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1242	53469-21-9	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1248	12672-29-6	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1254	11097-69-1	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1260	11096-82-5	ug/Kg	1,000	NS	1,000	NS	100	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1262	37324-23-5	ug/Kg	NS	NS	NS	NS	NS	< 75		< 75		< 74		< 75		< 74		< 74	
PCB-1268	11100-14-4	ug/Kg	NS	NS	NS	NS	NS	< 75		< 75		< 74		< 75		< 74		< 74	
Semivolatiles By SW8270D																			
1,1-Biphenyl	92-52-4	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,3,4,6-tetrachlorophenol	58-90-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,4,5-Trichlorophenol	95-95-4	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,4,6-Trichlorophenol	88-06-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,4-Dichlorophenol	120-83-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,4-Dimethylphenol	105-67-9	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,4-Dinitrophenol	51-28-5	ug/Kg	NS	NS	NS	NS	NS	< 610		< 600		< 590		< 610		< 590		< 590	
2,4-Dinitrotoluene	121-14-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2,6-Dinitrotoluene	606-20-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2-Chloronaphthalene	91-58-7	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2-Chlorophenol	95-57-8	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2-Methylnaphthalene	91-57-6	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
2-Methylphenol (o-cresol)	95-48-7	ug/Kg	500,000	330	100,000	100,000	330	< 270		< 260		< 260		< 270		< 260		< 260	
2-Nitroaniline	88-74-4	ug/Kg	NS	NS	NS	NS	NS	< 610		< 600		< 590		< 610		< 590		< 590	
2-Nitrophenol	88-75-5	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	ug/Kg	NS	NS	NS	NS	NS	< 380		< 370		< 370		< 380		< 370		< 370	
3,3'-Dichlorobenzidine	91-94-1	ug/Kg	NS	NS	NS	NS	NS	< 460		< 450		< 450		< 460		< 440		< 440	
3-Nitroaniline	99-09-2	ug/Kg	NS	NS	NS	NS	NS	< 610		< 600		< 590		< 610		< 590		< 590	
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	NS	NS	NS	NS	NS	< 1100		< 1100		< 1100		< 1100		< 1100		< 1100	
4-Bromophenyl phenyl ether	101-55-3	ug/Kg	NS	NS	NS	NS	NS	< 380		< 370		< 370		< 380		< 370		< 370	

Notes:
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to NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSCRR Part 375 Proctection of Groundwater	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6	
Lab Sample Number								BN75966	Q	BN75969	Q	BN75973	Q	BN75977	Q	BN75981	Q	BN75984	Q
Sampling Date								7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016	
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	Soil		Soil		Soil		Soil		Soil		Soil	
COMPOUND	CAS Number	Units																	
4-Chloro-3-methylphenol	59-50-7	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
4-Chloroaniline	106-47-8	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
4-Nitroaniline	100-01-6	ug/Kg	NS	NS	NS	NS	NS	< 610		< 600		< 590		< 610		< 590		< 590	
4-Nitrophenol	100-02-7	ug/Kg	NS	NS	NS	NS	NS	< 1100		< 1100		< 1100		< 1100		< 1100		< 1100	
Acenaphthene	83-32-9	ug/Kg	500,000	98,000	100,000	100,000	20,000	< 270		< 260		< 260		< 270		< 260		< 260	
Acenaphthylene	208-96-8	ug/Kg	500,000	107,000	100,000	100,000	100,000	< 270		< 260		< 260		< 270		< 260		< 260	
Acetophenone	98-86-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Anthracene	120-12-7	ug/Kg	500,000	1,000,000	100,000	100,000	100,000	< 270		< 260		< 260		< 270		< 260		< 260	
Atrazine	1912-24-9	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Benz(a)anthracene	56-55-3	ug/Kg	5,600	1,000	1,000	1,000	1,000	< 270		< 260		< 260		< 270		< 260		260	
Benzaldehyde	100-52-7	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Benzo(a)pyrene	50-32-8	ug/Kg	1,000	22,000	1,000	1,000	1,000	< 270		< 260		< 260		< 270		< 260		< 260	
Benzo(b)fluoranthene	205-99-2	ug/Kg	5,600	1,700	1,000	1,000	1,000	< 270		< 260		< 260		< 270		< 260		270	
Benzo(ghi)perylene	191-24-2	ug/Kg	500,000	1,000,000	100,000	100,000	100,000	< 270		280		< 260		< 270		< 260		< 260	
Benzo(k)fluoranthene	207-08-9	ug/Kg	56,000	1,700	1,000	3,900	800	< 270		< 260		< 260		< 270		< 260		< 260	
Benzyl butyl phthalate	85-68-7	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Bis(2-chloroethyl)ether	111-44-4	ug/Kg	NS	NS	NS	NS	NS	< 380		< 370		< 370		< 380		< 370		< 370	
Bis(2-chloroisopropyl)ether	39638-32-9	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Bis(2-ethylhexyl)phthalate	117-81-7	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Caprolactam	105-60-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Carbazole	86-74-8	ug/Kg	NS	NS	NS	NS	NS	< 1100		< 1100		< 1100		< 1100		< 1100		< 1100	
Chrysene	218-01-9	ug/Kg	56,000	1,000	1,000	3,900	1,000	< 270		< 260		< 260		< 270		< 260		290	
Dibenz(a,h)anthracene	53-70-3	ug/Kg	560	1,000,000	330	330	330	< 190		< 190		< 190		< 190		< 180		< 180	
Dibenzofuran	132-64-9	ug/Kg	NS	NS	NS	NS	7,000	< 270		< 260		< 260		< 270		< 260		< 260	
Diethyl phthalate	84-66-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Dimethylphthalate	131-11-3	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Di-n-butylphthalate	84-74-2	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Di-n-octylphthalate	117-84-0	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Fluoranthene	206-44-0	ug/Kg	500,000	1,000,000	100,000	100,000	100,000	< 270		< 260		270		< 270		< 260		470	
Fluorene	86-73-7	ug/Kg	500,000	386,000	100,000	100,000	30,000	< 270		< 260		< 260		< 270		< 260		< 260	
Hexachlorobenzene	118-74-1	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Hexachlorobutadiene	87-68-3	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Hexachlorocyclopentadiene	77-47-4	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Hexachloroethane	67-72-1	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Indeno(1,2,3-cd)pyrene	193-39-5	ug/Kg	5,600	8,200	500	500	500	< 270		300		< 260		< 270		< 260		< 260	
Isophorone	78-59-1	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
Naphthalene	91-20-3	ug/Kg	500,000	12,000	100,000	100,000	12,000	< 270		< 260		< 260		< 270		< 260		< 260	
Nitrobenzene	98-95-3	ug/Kg	NS	NS	NS	NS	NS	< 270		< 260		< 260		< 270		< 260		< 260	
N-Nitrosodimethylamine	62-75-9	ug/Kg	NS	NS	NS	NS	NS	< 380		< 370		< 370		< 380		< 370		< 370	
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg	NS	NS	NS	NS	NS	< 190		< 190		< 190		< 190		< 180		< 180	
N-Nitrosodiphenylamine	86-30-6	ug/Kg	NS	NS	NS	NS	NS	< 380		< 370		< 370		< 380		< 370		< 370	
Pentachlorophenol	87-86-5	ug/Kg	6,700	800	2,400	6,700	800	< 380		< 370		< 370		< 380		< 370		< 370	
Phenanthrene	85-01-8	ug/Kg	500,000	1,000,000	100,000	100,000	100,000	< 270		< 260		< 260		< 270		< 260		< 260	
Phenol	108-95-2	ug/Kg	500,000	330	100,000	100,000	330	< 270		< 260		< 260		< 270		< 260		< 260	
Pyrene	129-00-0	ug/Kg	500,000	1,000,000	100,000	100,000	100,000	< 270		< 260		280		< 270		< 260		430	
Pesticides - Soil By SW8081B																			
4,4' -DDD	72-54-8	ug/Kg	92,000	14,000	2,600	13,000	3.3	< 2.3		< 3.3		**5.2**		< 2.3		< 2.2		**4**	
4,4' -DDE	72-55-9	ug/Kg	62,000	17,000	1,800	8,900	3.3	< 2.3		< 3.3		< 3.3		< 2.3		< 2.2		**6**	
4,4' -DDT	50-29-3	ug/Kg	47,000	136,000	1,700	7,900	3.3	< 2.3		< 2.2		< 5.0		< 2.3		< 3.3		**7**	
a-BHC	319-84-6	ug/Kg	3,400	20	97	480	20	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
a-Chlordane	5103-71-9	ug/Kg	24,000	2,900	910	4,200	94	5.6		< 10		9.9		< 3.8		< 3.7		13	
Aldrin	309-00-2	ug/Kg	680	190	19	97	5	< 5.0		< 3.7		< 3.7		< 3.8		< 3.7		< 3.7	
b-BHC	319-85-7	ug/Kg	3,000	90	72	360	36	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Chlordane	57-74-9	ug/Kg	NA	NS	NS	NS	NS	57		< 37		130		< 38		< 37		160	
d-BHC	319-86-8	ug/Kg	500,000	250	100,000	100,000	40	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Dieldrin	60-57-1	ug/Kg	1,400	100	39	200	5	< 3.8		< 3.7		< 3.7		< 3.8		< 3.7		< 3.7	
Endosulfan I	959-98-8	ug/Kg	200,000	102,000	4,800	24,000	2,400	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Endosulfan II	33213-65-9	ug/Kg	200,000	102,000	4,800	24,000	2,400	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Endosulfan sulfate	1031-07-8	ug/Kg	200,000	1,000,000	4,800	24,000	2,400	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Endrin	72-20-8	ug/Kg	89,000	60	2,200	11,000	14	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Endrin aldehyde	7421-93-4	ug/Kg	NS	NS	NS	NS	NS	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	

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Tricia Way, Staten Island, New York

Sample ID			NYSDEC Part 375 Commercial SCOs	NYSCRR Part 375 Proctection of Groundwater	NYSDEC Part 375 Residential SCOs	NYSDEC Part 375 Restricted Residential SCOs	NYSDEC Part 375 Unrestricted SCOs	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6	
Lab Sample Number								BN75966	Q	BN75969	Q	BN75973	Q	BN75977	Q	BN75981	Q	BN75984	Q
Sampling Date								7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016		7/18/2016	
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	Soil		Soil		Soil		Soil		Soil		Soil	
COMPOUND	CAS Number	Units																	
Endrin ketone	53494-70-5	ug/Kg	NS	NS	NS	NS	NS	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
g-BHC	58-89-9	ug/Kg	9,200	100	280	1,300	100	< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5	
g-Chlordane	5103-74-2	ug/Kg	NS	NS	NS	NS	NS	5.5		< 3.7		11		< 3.8		< 3.7		11	
Heptachlor	76-44-8	ug/Kg	15,000	380	420	2,100	42	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Heptachlor epoxide	1024-57-3	ug/Kg	NS	NS	NS	NS	NS	< 7.5		< 7.5		< 7.4		< 7.5		< 7.4		< 7.4	
Methoxychlor	72-43-5	ug/Kg	NS	NS	NS	NS	NS	< 38		< 37		< 37		< 38		< 37		< 37	
Toxaphene	8001-35-2	ug/Kg	NS	NS	NS	NS	NS	< 150		< 150		< 150		< 150		< 150		< 150	

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APPENDIX A –

SOIL BORING LOGS

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 213-8156

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-1

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Red/brown fine to medium grained sand with silt, apparent fill material. No odors. Dry.
3, 4		2-4			0.0		Red/brown fine to medium grained sand with silt and pebbles, apparent fill material. No odors. Dry.
6		4-4.5			0.0		White Crushed Rock, apparent fill material. No odors. Dry.
		4.5-6			0.0		Brown fine grained sand and silt with pebbles, apparent fill material. No odors. Moist.
7, 8		6-8			0.0		Brown fine grained sand and silt mixed with crushed rock, apparent fill material. No odors. Moist.
9, 10		8-10			0.0		Red/brown silt and clay, native undisturbed soil. No odors. Moist.
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART	
GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-1 was composited from 0 to 8 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-1 at 0 to 2 feet bgs and 4 to 6 feet bgs for laboratory analysis for TCL VOCs.

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 273-8156

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-2

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Brown, fine grained sand with silt and pebbles, apparent fill material. No odors. Dry
3, 4		2-4			0.0		Brown, fine grained sand with silt and pebbles, apparent fill material. No odors. Dry
5, 6		4-6			0.0		Brown, fine grained sandy clay with pebbles, apparent fill material. No odors. Moist
7, 8		6-8			0.0		Brown, fine grained sandy clay with pebbles, apparent fill material. No odors. Moist
9, 10		8-10			0.0		Red/brown silty tight clay, native undisturbed soil. No odors. Moist
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-2 was composited from 0 to 8 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-1 at 0 to 2 feet bgs, 2 to 4 feet bgs, and 6 to 8 feet bgs for laboratory analysis for TCL VOCs.

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue • North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 213-8356

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-3

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Brown silt, fine to medium grained sand with pebbles, apparent fill material. No odors. Dry.
3, 4, 5		2-5			0.0		Brown silt, fine to medium grained sand with pebbles, apparent fill material. No odors. Dry.
6, 7, 8		5-8			0.0		Brown silt, fine to medium grained sand with pebbles, apparent fill material. No odors. Moist.
9, 10		8-10			0.0		Red/brown tight silty clay with red brick, native undisturbed soil. No odor. Moist.
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-3 was composited from 0 to 8 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-1 at 0 to 2 feet bgs, 2 to 4 feet bgs, and 4 to 6 feet bgs for laboratory analysis for TCL VOCs.

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 223-8136

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-4

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Brown fine to medium grained sand and silt with pebbles, apparent fill material. No odors. Dry.
3, 4		2-4			0.0		Brown fine to medium grained sand and silt with pebbles, apparent fill material. No odors. Dry.
5, 6		4-6			0.0		Brown fine to medium grained sand and silt with pebbles, apparent fill material. No odors. Moist.
7, 8		6-8			0.0		Brown fine to medium grained sand and silt with pebbles, apparent fill material. No odors. Moist.
9, 10		8-10			0.0		Red/brown tight clay with silt, native undisturbed soil. No odor. Moist.
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-4 was composited from 0 to 8 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-4 at 0 to 2 feet bgs, 2 to 4 feet bgs, and 6 to 8 feet bgs for laboratory analysis for TCL VOCs.

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 273-8156

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-5

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odors. Dry.
3, 4		2-4			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odors. Dry.
5, 6		4-6			0.0		Brown fine to medium grained sand with silt and red tight clay, apparent fill material. No odors. Moist.
7, 8, 9, 10		6-10			0.0		Red tight clay, native undisturbed soil. No odor. Moist.
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-5 was composited from 0 to 6 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-5 at 0 to 2 feet bgs and 4 to 6 feet bgs for laboratory analysis for TCL VOCs.

PREFERRED ENVIRONMENTAL SERVICES
323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 273-8156

PROJECT: NYC Parks - Conference House Park
LOCATION: Tricia Way, Staten Island, NY
DATE: 7/18/16
PROJECT NO.: TECT-16-125

SOIL BORING LOG

Soil Boring ID: SB-6

SHEET 1 **OF** 1

BORING LOCATION:	**LOGGED BY:** Bryan Comey
GROUND SURFACE ELEVATION:	**MEASURING POINT ELEVATION:** N/A
START DATE: 7/18/16	**DRILLING CO.:** Aarco Environmental Services
FINISH DATE: 7/18/16	**DRILLERS NAME:** Tom Kelly / Scott Deerotean
SAMPLING METHOD: Continuous sampling with Geoprobe Drill Rig.	**DRILLING METHOD AND RIG TYPE:** Geoprobe 7822DT - Direct Push

DEPTH (FT)	WELL DIAGRAM	SAMPLE DEPTH (FT)	SAMPLE REC. (IN.)	SAMPLE BLOWS/6 IN.	SAMPLE PID (PPM)	GRAPHIC LOG	MATERIAL DESCRIPTION
1, 2		0-2			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odor. Dry.
3, 4		2-4			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odor. Dry.
5, 6		4-6			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odor. Moist.
7, 8		6-8			0.0		Brown fine to medium grained sand with silt and pebbles, apparent fill material. No odor. Moist.
9		8-9			0.0		Red tight clay, native undisturbed soil. No odor. Moist.
10							
11, 12							
13, 14							
15							

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

GW	Well-Graded Gravels, Gravel - Sand Mixtures, Little or No Fines
GP	Poorly-Graded Gravels, Gravel- Sand Mixtures, Little or No Fines
GM	Silty Gravels, Gravel - Sand - Silt Mixtures
GC	Clayey Gravels, Gravel- Sand- Clay Mixtures
SW	Well-Graded Sands, Gravelly Sands, Little or No Fines
SP	Poorly-Graded Sands, Gravelly Sand, Little or no Fines
SM	Silty Sands, Sand - Silt Mixtures
SC	Clayey Sands, Sand - Clay Mixtures
ML	Inorganic Silts and Very Fine Sands, Rock Flour, Silty or Clayey Fine Sands or Clayey Silts with Slight Plasticity
CL	Inorganic Clays of Low Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays
OL	Organic Silts and Organic Silty Clays of Low Plasticity
MH	Inorganic Silts, Micaceous or Diatomaceous Fine Sand or Silty Sands
CH	Inorganic clays of High Plasticity
OH	Organic Clays of Medium to High Plasticity, Organic Silts
PT	Peat, Humus, Swamp Soils with High Organic Contents

Notes: Soil Boring SB-6 was composited from 0 to 8 feet below grade surface (bgs) for laboratory analysis for TAL metals, TCL Pesticides, TCL PCBs, Hexavalent Chromium, Cyanide, and TCL SVOCs. Discrete VOC grab samples were collected from SB-6 at 0 to 2 feet bgs and 6 to 8 feet bgs for laboratory analysis for TCL VOCs.

APPENDIX B –

ANALYTICAL TESTING DATA

PHOENIX
Environmental Laboratories, Inc.

Wednesday, July 27, 2016

Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Project ID: TRICIA WAY
Sample ID#s: BN75966 - BN75986

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

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

NY # 11301

SDG Comments

July 27, 2016

SDG I.D.: GBN75966

BN75968 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Version 2: Criteria was requested and some reporting levels were lowered to achieve this request.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:05
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75966

Project ID: TRICIA WAY
Client ID: SB-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	8530	57	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	6.10	0.77	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	72.8	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.56	0.31	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	5460	5.7	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	< 0.38	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	7.93	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	21.2	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	45.2	0.38	mg/kg	1	07/20/16	LK	SW6010C	
Iron	18600	57	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.08	0.03	mg/Kg	1	07/20/16	MA	SW7471B	
Potassium	1500	5.7	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	3960	5.7	mg/Kg	1	07/20/16	LK	SW6010C	
Manganese	273	3.8	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	392	5.7	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	25.9	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	61.2	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 3.8	3.8	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.5	1.5	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.4	3.4	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	27.7	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	68.9	0.38	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	87		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.46	0.46	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	8.68	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	212	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-1

Phoenix I.D.: BN75966

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	70		%	2	07/27/16	AW	30 - 150 %
% TCMX	77		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	07/22/16	C/P	SW8081B
a-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
a-Chlordane	5.6	3.8	ug/Kg	2	07/22/16	C/P	SW8081B
Aldrin	ND	5.0	ug/Kg	2	07/22/16	C/P	SW8081B
b-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Chlordane	57	38	ug/Kg	2	07/22/16	C/P	SW8081B
d-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/22/16	C/P	SW8081B
g-Chlordane	5.5	3.8	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/22/16	C/P	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/22/16	C/P	SW8081B
QA/QC Surrogates							
% DCBP	89		%	2	07/22/16	C/P	30 - 150 %
% TCMX	53		%	2	07/22/16	C/P	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-1

Phoenix I.D.: BN75966

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	460	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	190	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-1

Phoenix I.D.: BN75966

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	69		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	75		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	71		%	1	07/20/16	DD	30 - 130 %

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75967

Project ID: TRICIA WAY
Client ID: SB-1 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-1 0-2 FT

Phoenix I.D.: BN75967

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	33	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	96		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75968

Project ID: TRICIA WAY
Client ID: SB-1 4-6 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	86			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	180	S	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-1 4-6 FT

Phoenix I.D.: BN75968

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-1 4-6 FT

Phoenix I.D.: BN75968

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:10
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75969

Project ID: TRICIA WAY
Client ID: SB-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	9570	53	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	5.42	0.70	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	77.0	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.56	0.28	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	2790	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	8.12	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	20.5	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	35.2	0.35	mg/kg	1	07/20/16	LK	SW6010C	
Iron	18700	53	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.04	0.03	mg/Kg	1	07/20/16	MA	SW7471B	
Potassium	1250	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	3300	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Manganese	307	3.5	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	169	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	18.4	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	46.3	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 3.5	3.5	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.2	3.2	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	27.9	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	71.0	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	88		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	7.80	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	208	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-2

Phoenix I.D.: BN75969

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	66		%	2	07/27/16	AW	30 - 150 %
% TCMX	75		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	3.3	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDE	ND	3.3	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDT	ND	2.2	ug/Kg	2	07/22/16	C/P	SW8081B
a-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
a-Chlordane	ND	10	ug/Kg	2	07/22/16	C/P	SW8081B
Aldrin	ND	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
b-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Chlordane	ND	37	ug/Kg	2	07/22/16	C/P	SW8081B
d-BHC	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/22/16	C/P	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/22/16	C/P	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/22/16	C/P	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/22/16	C/P	SW8081B
QA/QC Surrogates							
% DCBP	97		%	2	07/22/16	C/P	30 - 150 %
% TCMX	55		%	2	07/22/16	C/P	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-2

Phoenix I.D.: BN75969

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	600	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	600	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	450	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	600	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	600	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	280	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	190	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-2

Phoenix I.D.: BN75969

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	300	260	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	58		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	66		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	60		%	1	07/20/16	DD	30 - 130 %

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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

Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75970

Project ID: TRICIA WAY
Client ID: SB-2 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	93		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-2 0-2 FT

Phoenix I.D.: BN75970

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	33	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.5	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75971

Project ID: TRICIA WAY
Client ID: SB-2 2-4 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	43	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-2 2-4 FT

Phoenix I.D.: BN75971

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	26	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	3.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	86	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75972

Project ID: TRICIA WAY
Client ID: SB-2 6-8 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	86			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND		22	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		22	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	63	S	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND		4.3	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-2 6-8 FT

Phoenix I.D.: BN75972

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	26	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	12	3.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	95		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	86	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-2 6-8 FT

Phoenix I.D.: BN75972

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:20
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75973

Project ID: TRICIA WAY
Client ID: SB-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	9740	51	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	5.70	0.68	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	73.5	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.52	0.27	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	6200	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	0.41	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	7.69	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	24.1	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	43.7	0.34	mg/kg	1	07/20/16	LK	SW6010C	
Iron	19600	51	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.08	0.03	mg/Kg	1	07/20/16	MA	SW7471B	
Potassium	1360	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	4900	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Manganese	330	3.4	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	233	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	26.6	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	63.4	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 3.4	3.4	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.1	3.1	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	29.5	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	87.8	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	88		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	7.77	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	207	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	2.65	0.57	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-3

Phoenix I.D.: BN75973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	74		%	2	07/27/16	AW	30 - 150 %
% TCMX	83		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	5.2	2.2	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDE	ND	3.3	ug/Kg	2	07/22/16	C/P	SW8081B
4,4' -DDT	ND	5.0	ug/Kg	2	07/22/16	C/P	SW8081B
a-BHC	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
a-Chlordane	9.9	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
Aldrin	ND	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
b-BHC	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Chlordane	130	37	ug/Kg	2	07/22/16	C/P	SW8081B
d-BHC	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/22/16	C/P	SW8081B
g-Chlordane	11	3.7	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	07/22/16	C/P	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/22/16	C/P	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/22/16	C/P	SW8081B
QA/QC Surrogates							
% DCBP	113		%	2	07/22/16	C/P	30 - 150 %
% TCMX	61		%	2	07/22/16	C/P	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-3

Phoenix I.D.: BN75973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	450	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	190	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-3

Phoenix I.D.: BN75973

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	270	260	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	280	260	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	62		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	07/20/16	DD	30 - 130 %

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75974

Project ID: TRICIA WAY
Client ID: SB-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-3 0-2 FT

Phoenix I.D.: BN75974

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	32	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.3	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	27	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.4	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	96		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75975

Project ID: TRICIA WAY
Client ID: SB-3 2-4 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	86			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,1-Dichloroethene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2-Dibromoethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2-Dichloroethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,2-Dichloropropane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
2-Hexanone	ND		29	ug/kg	1	07/23/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		29	ug/kg	1	07/23/16	JLI	SW8260C
Acetone	54	S	50	ug/kg	1	07/23/16	JLI	SW8260C
Benzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Bromochloromethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Bromodichloromethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Bromoform	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Bromomethane	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Carbon Disulfide	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Carbon tetrachloride	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C
Chlorobenzene	ND		5.8	ug/kg	1	07/23/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-3 2-4 FT

Phoenix I.D.: BN75975

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Chloroform	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Chloromethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Cyclohexane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Dibromochloromethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Ethylbenzene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Methyl ethyl ketone	ND	35	ug/kg	1	07/23/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	1	07/23/16	JLI	SW8260C
Methylacetate	ND	4.7	ug/kg	1	07/23/16	JLI	SW8260C
Methylcyclohexane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Methylene chloride	ND	29	ug/kg	1	07/23/16	JLI	SW8260C
o-Xylene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Styrene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Toluene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Total Xylenes	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Trichloroethene	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/kg	1	07/23/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	1	07/23/16	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	07/23/16	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	07/23/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/23/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/23/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-3 2-4 FT

Phoenix I.D.: BN75975

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

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

Comments:

This sample was not collected in accordance with EPA method 5035 (the vial either was missing the initial weight or was lacking the methanol or water preservative). NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75976

Project ID: TRICIA WAY
Client ID: SB-3 4-6 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	75	S	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND		5.7	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-3 4-6 FT

Phoenix I.D.: BN75976

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-3 4-6 FT

Phoenix I.D.: BN75976

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:30
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75977

Project ID: TRICIA WAY
Client ID: SB-4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	9520	61	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	4.90	0.81	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	87.8	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.58	0.32	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	2230	6.1	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	< 0.40	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	7.49	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	18.2	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	34.4	0.40	mg/kg	1	07/20/16	LK	SW6010C	
Iron	21600	61	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.06	0.03	mg/Kg	1	07/20/16	MA	SW7471B	
Potassium	1300	6.1	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	2850	6.1	mg/Kg	1	07/20/16	LK	SW6010C	
Manganese	386	4.0	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	223	6.1	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	16.7	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	51.7	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 4.0	4.0	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.6	1.6	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.6	3.6	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	25.9	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	103	0.40	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	86		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.47	0.47	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	7.94	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	198	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.58	0.58	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-4

Phoenix I.D.: BN75977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	75	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	72		%	2	07/27/16	AW	30 - 150 %
% TCMX	83		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	ug/Kg	2	07/20/16	CE	SW8081B
4,4' -DDE	ND	2.3	ug/Kg	2	07/20/16	CE	SW8081B
4,4' -DDT	ND	2.3	ug/Kg	2	07/20/16	CE	SW8081B
a-BHC	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
a-Chlordane	ND	3.8	ug/Kg	2	07/20/16	CE	SW8081B
Aldrin	ND	3.8	ug/Kg	2	07/20/16	CE	SW8081B
b-BHC	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Chlordane	ND	38	ug/Kg	2	07/20/16	CE	SW8081B
d-BHC	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/20/16	CE	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/20/16	CE	SW8081B
g-Chlordane	ND	3.8	ug/Kg	2	07/20/16	CE	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/20/16	CE	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/20/16	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/20/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	116		%	2	07/20/16	CE	30 - 150 %
% TCMX	84		%	2	07/20/16	CE	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-4

Phoenix I.D.: BN75977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	460	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	610	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	190	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	270	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-4

Phoenix I.D.: BN75977

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	190	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	380	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	ND	270	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	83		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	59		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	70		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	68		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	65		%	1	07/20/16	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	11:30
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75978

Project ID: TRICIA WAY
Client ID: SB-4 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	44	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Chloroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-4 0-2 FT

Phoenix I.D.: BN75978

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroform	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	26	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.8	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	3.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	22	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	4.4	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	87		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	88	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-4 0-2 FT

Phoenix I.D.: BN75978

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	13:40
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75979

Project ID: TRICIA WAY
Client ID: SB-4 2-4 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	90			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	99	S	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND		5.6	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-4 2-4 FT

Phoenix I.D.: BN75979

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	33	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	6.8	4.4	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	96		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-4 2-4 FT

Phoenix I.D.: BN75979

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	13:50
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75980

Project ID: TRICIA WAY
Client ID: SB-4 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-4 6-8 FT

Phoenix I.D.: BN75980

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:15
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75981

Project ID: TRICIA WAY
Client ID: SB-5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.34	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	7600	51	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	5.96	0.69	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	56.5	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.50	0.27	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	3050	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	7.42	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	19.4	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	39.1	0.34	mg/kg	1	07/20/16	LK	SW6010C	
Iron	16600	51	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.13	0.03	mg/Kg	1	07/20/16	MA	SW7471B	
Potassium	1230	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	2690	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Manganese	259	3.4	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	262	5.1	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	27.1	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	80.1	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 3.4	3.4	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.1	3.1	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	24.0	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	70.9	0.34	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	89		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	8.09	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	207	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.51	0.51	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-5

Phoenix I.D.: BN75981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	64		%	2	07/27/16	AW	30 - 150 %
% TCMX	75		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	ug/Kg	2	07/20/16	C/P	SW8081B
4,4' -DDE	ND	2.2	ug/Kg	2	07/20/16	C/P	SW8081B
4,4' -DDT	ND	3.3	ug/Kg	2	07/20/16	C/P	SW8081B
a-BHC	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
a-Chlordane	ND	3.7	ug/Kg	2	07/20/16	C/P	SW8081B
Aldrin	ND	3.7	ug/Kg	2	07/20/16	C/P	SW8081B
b-BHC	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Chlordane	ND	37	ug/Kg	2	07/20/16	C/P	SW8081B
d-BHC	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/20/16	C/P	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Endrin	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/20/16	C/P	SW8081B
g-Chlordane	ND	3.7	ug/Kg	2	07/20/16	C/P	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	07/20/16	C/P	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/20/16	C/P	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/20/16	C/P	SW8081B
QA/QC Surrogates							
% DCBP	135		%	2	07/20/16	C/P	30 - 150 %
% TCMX	74		%	2	07/20/16	C/P	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-5

Phoenix I.D.: BN75981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	440	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	180	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-5

Phoenix I.D.: BN75981

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	180	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	45		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	54		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	52		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	52		%	1	07/20/16	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	11:50
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75982

Project ID: TRICIA WAY
Client ID: SB-5 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-5 0-2 FT

Phoenix I.D.: BN75982

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	97		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:00
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75983

Project ID: TRICIA WAY
Client ID: SB5 4-6 FT

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	85			%		07/19/16	w	SW846-%Solid
Volatiles (TCL)								
1,1,1-Trichloroethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND		29	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND		29	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	120	S	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND		5.9	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB5 4-6 FT

Phoenix I.D.: BN75983

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	35	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.7	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	29	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB5 4-6 FT

Phoenix I.D.: BN75983

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	14:35
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75984

Project ID: TRICIA WAY
Client ID: SB-6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.35	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Aluminum	8860	53	mg/Kg	10	07/20/16	LK	SW6010C	
Arsenic	6.09	0.70	mg/Kg	1	07/20/16	LK	SW6010C	
Barium	67.9	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Beryllium	0.65	0.28	mg/Kg	1	07/20/16	LK	SW6010C	
Calcium	4790	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Cadmium	0.40	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Cobalt	10.6	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Chromium	29.3	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Copper	38.3	0.35	mg/kg	1	07/20/16	LK	SW6010C	
Iron	23200	53	mg/Kg	10	07/20/16	LK	SW6010C	B
Mercury	0.06	0.03	mg/Kg	1	07/20/16	MA/RS	SW7471B	
Potassium	1410	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Magnesium	6810	53	mg/Kg	10	07/20/16	LK	SW6010C	
Manganese	345	3.5	mg/Kg	10	07/20/16	LK	SW6010C	
Sodium	372	5.3	mg/Kg	1	07/20/16	LK	SW6010C	
Nickel	58.6	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Lead	68.7	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Antimony	< 3.5	3.5	mg/Kg	1	07/20/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	07/20/16	LK	SW6010C	
Thallium	< 3.2	3.2	mg/Kg	1	07/20/16	LK	SW6010C	
Vanadium	37.7	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Zinc	79.8	0.35	mg/Kg	1	07/20/16	LK	SW6010C	
Percent Solid	88		%		07/19/16	w	SW846-%Solid	
Chromium, Hex. (SW3060 digestion)	< 0.45	0.45	mg/Kg	1	07/21/16	KH	SW7196A	
pH - Soil	8.12	0.10	pH Units	1	07/20/16 20:00	DH/EG	SW9045	1
Redox Potential	219	1.0	mV	1	07/20/16	DH/EG	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	< 0.57	0.57	mg/Kg	1	07/20/16	O/GD	SW9012B	

Project ID: TRICIA WAY
Client ID: SB-6

Phoenix I.D.: BN75984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Soil Extraction for PCB	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for Pest	Completed				07/19/16	BC/V	SW3545A
Soil Extraction for SVOA	Completed				07/19/16	BJ/CKV	SW3545A
Mercury Digestion	Completed				07/20/16	W/W	SW7471B
Total Metals Digest	Completed				07/19/16	X/AG	SW3050B
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1221	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1232	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1242	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1248	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1254	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1260	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1262	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
PCB-1268	ND	74	ug/Kg	2	07/27/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	69		%	2	07/27/16	AW	30 - 150 %
% TCMX	78		%	2	07/27/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	4.0	2.2	ug/Kg	2	07/21/16	CE	SW8081B
4,4' -DDE	6.0	2.2	ug/Kg	2	07/21/16	CE	SW8081B
4,4' -DDT	7.0	2.2	ug/Kg	2	07/21/16	CE	SW8081B
a-BHC	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
a-Chlordane	13	3.7	ug/Kg	2	07/21/16	CE	SW8081B
Aldrin	ND	3.7	ug/Kg	2	07/21/16	CE	SW8081B
b-BHC	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Chlordane	160	37	ug/Kg	2	07/21/16	CE	SW8081B
d-BHC	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/21/16	CE	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Endrin	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/21/16	CE	SW8081B
g-Chlordane	11	3.7	ug/Kg	2	07/21/16	CE	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	07/21/16	CE	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/21/16	CE	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/21/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	81		%	2	07/21/16	CE	30 - 150 %
% TCMX	59		%	2	07/21/16	CE	30 - 150 %
Semivolatiles							
1,1-Biphenyl	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D

Project ID: TRICIA WAY
Client ID: SB-6

Phoenix I.D.: BN75984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
2,3,4,6-tetrachlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Chlorophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylnaphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
2-Nitrophenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	440	ug/Kg	1	07/20/16	DD	SW8270D	
3-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chloroaniline	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitroaniline	ND	590	ug/Kg	1	07/20/16	DD	SW8270D	
4-Nitrophenol	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acenaphthylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Acetophenone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Anthracene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Atrazine	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benz(a)anthracene	260	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzaldehyde	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(a)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(b)fluoranthene	270	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Benzyl butyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Caprolactam	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Carbazole	ND	1100	ug/Kg	1	07/20/16	DD	SW8270D	
Chrysene	290	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	180	ug/Kg	1	07/20/16	DD	SW8270D	
Dibenzofuran	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Diethyl phthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Dimethylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-butylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	
Di-n-octylphthalate	ND	260	ug/Kg	1	07/20/16	DD	SW8270D	

Project ID: TRICIA WAY
Client ID: SB-6

Phoenix I.D.: BN75984

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	470	260	ug/Kg	1	07/20/16	DD	SW8270D
Fluorene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	180	ug/Kg	1	07/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	07/20/16	DD	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	07/20/16	DD	SW8270D
Pyrene	430	260	ug/Kg	1	07/20/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	07/20/16	DD	30 - 130 %
% 2-Fluorophenol	54		%	1	07/20/16	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	07/20/16	DD	30 - 130 %
% Phenol-d5	64		%	1	07/20/16	DD	30 - 130 %
% Terphenyl-d14	60		%	1	07/20/16	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

Hexavalent Chromium:
This sample is in a reducing state.

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75985

Project ID: TRICIA WAY
Client ID: SB-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-6 0-2 FT

Phoenix I.D.: BN75985

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.5	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	28	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	97		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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

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Phyllis Shiller, Laboratory Director
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 27, 2016

FOR: Attn: Mr. William J. Schlageter
Preferred Environmental Services
3 Merrick Avenue
North Merrick, New York 11566

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/18/16	
Location Code:	PREFRDNY	Received by:	LB	07/19/16	17:11
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	tech-16-125				

Laboratory Data

SDG ID: GBN75966
Phoenix ID: BN75986

Project ID: TRICIA WAY
Client ID: SB-6 6-8 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87		%		07/19/16	w	SW846-%Solid
Volatiles (TCL)							
1,1,1-Trichloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
2-Hexanone	ND	29	ug/kg	1	07/22/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/kg	1	07/22/16	JLI	SW8260C
Acetone	ND	50	ug/kg	1	07/22/16	JLI	SW8260C
Benzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromochloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromodichloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromoform	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Bromomethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon Disulfide	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Carbon tetrachloride	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chlorobenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C

Project ID: TRICIA WAY
Client ID: SB-6 6-8 FT

Phoenix I.D.: BN75986

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloroform	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Chloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Cyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dibromochloromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Ethylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Isopropylbenzene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
m&p-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methyl ethyl ketone	ND	34	ug/kg	1	07/22/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/kg	1	07/22/16	JLI	SW8260C
Methylacetate	ND	4.6	ug/kg	1	07/22/16	JLI	SW8260C
Methylcyclohexane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Methylene chloride	ND	29	ug/kg	1	07/22/16	JLI	SW8260C
o-Xylene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Styrene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Tetrachloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Toluene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Total Xylenes	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichloroethene	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
Vinyl chloride	ND	5.7	ug/kg	1	07/22/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	07/22/16	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	07/22/16	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	07/22/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	07/22/16	JLI	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/kg	1	07/22/16	JLI	SW8260C

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

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

Comments:

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
July 27, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

QA/QC Report

July 27, 2016

QA/QC Data

SDG I.D.: GBN75966

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 352935 (mg/kg), QC Sample No: BN73344 40X (BN75966, BN75969, BN75973, BN75977, BN75981, BN75984)														
Chromium, Hexavalent - Soil														
Chromium, Hexavalent	BRL	0.40	<0.44	<0.44	NC	97.7						70 - 130	30	
Chromium, Hexavalent (Ins)						93.0			86.5			70 - 130	30	
Chromium, Hexavalent (Sol)						96.7			13.7			70 - 130	30	m

Comment:

The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.

QA/QC Batch 352691 (mg/kg), QC Sample No: BN75115 (BN75981, BN75984)														
ICP Metals - Soil														
Aluminum	BRL	5.0	11400	12600	10.0	91.8			NC			75 - 125	30	
Antimony	BRL	3.3	<3.5	<3.7	NC	101			77.6			75 - 125	30	
Arsenic	BRL	0.67	11.0	10.8	1.80	91.6			86.8			75 - 125	30	
Barium	BRL	0.33	117	116	0.90	91.6			99.0			75 - 125	30	
Beryllium	BRL	0.27	0.58	0.58	NC	93.6			94.4			75 - 125	30	
Cadmium	BRL	0.33	<0.35	<0.37	NC	87.9			88.3			75 - 125	30	
Calcium	BRL	5.0	1340	1480	9.90	92.0			NC			75 - 125	30	
Chromium	BRL	0.33	20.2	20.5	1.50	97.6			95.4			75 - 125	30	
Cobalt	BRL	0.33	5.73	5.60	2.30	91.7			92.1			75 - 125	30	
Copper	BRL	0.33	26.4	27.1	2.60	94.3			101			75 - 125	30	
Iron	5.8	5.0	16800	18200	8.00	95.4			NC			75 - 125	30	
Lead	BRL	0.33	68.0	69.4	2.00	90.6			89.4			75 - 125	30	
Magnesium	BRL	5.0	2400	2270	5.60	98.1			NC			75 - 125	30	
Manganese	BRL	0.33	330	301	9.20	86.0			101			75 - 125	30	
Nickel	BRL	0.33	13.6	13.3	2.20	92.1			91.0			75 - 125	30	
Potassium	BRL	5.0	1220	1170	4.20	118			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.4	<1.5	NC	82.6			76.2			75 - 125	30	
Silver	BRL	0.33	<0.35	<0.37	NC	92.2			92.9			75 - 125	30	
Sodium	BRL	5.0	78.1	82.0	4.90	119			>130			75 - 125	30	m
Thallium	BRL	3.0	<3.	<3.3	NC	95.7			91.9			75 - 125	30	
Vanadium	BRL	0.33	34.3	34.0	0.90	103			96.2			75 - 125	30	
Zinc	BRL	0.33	98.3	94.4	4.00	90.0			89.8			75 - 125	30	
QA/QC Batch 352692 (mg/kg), QC Sample No: BN75116 (BN75966, BN75969, BN75973, BN75977)														
ICP Metals - Soil														
Aluminum	BRL	4.9	11700	12400	5.80	95.7			NC			75 - 125	30	
Antimony	BRL	3.3	<3.8	<3.5	NC	101			76.8			75 - 125	30	
Arsenic	BRL	0.66	11.0	11.3	2.70	91.9			85.9			75 - 125	30	
Barium	BRL	0.33	121	126	4.00	91.1			101			75 - 125	30	
Beryllium	BRL	0.26	0.54	0.56	NC	94.1			91.8			75 - 125	30	
Cadmium	BRL	0.33	<0.38	<0.35	NC	90.4			88.1			75 - 125	30	
Calcium	BRL	4.9	1660	1660	0	92.6			NC			75 - 125	30	
Chromium	BRL	0.33	17.6	18.5	5.00	97.2			94.0			75 - 125	30	

QA/QC Data

SDG I.D.: GBN75966

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cobalt	BRL	0.33	5.89	6.26	6.10	94.4			90.3			75 - 125	30	
Copper	BRL	0.33	30.2	30.9	2.30	94.8			99.1			75 - 125	30	
Iron	5.8	4.9	15000	16100	7.10	100			NC			75 - 125	30	
Lead	BRL	0.33	79.6	84.0	5.40	92.4			89.2			75 - 125	30	
Magnesium	BRL	4.9	2460	2630	6.70	101			NC			75 - 125	30	
Manganese	BRL	0.33	361	386	6.70	86.7			87.9			75 - 125	30	
Nickel	BRL	0.33	14.7	14.8	0.70	94.5			89.5			75 - 125	30	
Potassium	BRL	4.9	1240	1320	6.30	121			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.5	<1.4	NC	82.6			75.5			75 - 125	30	
Silver	BRL	0.33	<0.38	<0.35	NC	93.0			90.6			75 - 125	30	
Sodium	BRL	4.9	73.1	81.4	10.7	117			>130			75 - 125	30	m
Thallium	BRL	3.0	<3.	<3.2	NC	98.5			90.8			75 - 125	30	
Vanadium	BRL	0.33	28.8	29.2	1.40	104			93.6			75 - 125	30	
Zinc	BRL	0.33	71.2	74.1	4.00	90.7			91.1			75 - 125	30	
QA/QC Batch 352763 (mg/kg), QC Sample No: BN75307 (BN75966, BN75969, BN75973, BN75977, BN75981)														
Mercury - Soil	BRL	0.03	0.86	0.73	16.4	87.8	89.6	2.0	114			70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 352764 (mg/kg), QC Sample No: BN75571 (BN75984)														
Mercury - Soil	BRL	0.02	0.12	0.17	NC	88.5	76.8	14.2	>125			70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														

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

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

July 27, 2016

QA/QC Data

SDG I.D.: GBN75966

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 352715 (mg/Kg), QC Sample No: BN75865 50X (BN75966, BN75969, BN75973, BN75977, BN75981, BN75984)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	2.84	2.31	NC	100			89.4			80 - 120	30
QA/QC Batch 352922 (PH), QC Sample No: BN76258 (BN75966, BN75969, BN75973, BN75977, BN75981, BN75984)													
pH - Soil			5.99	6.08	1.50	99.6						85 - 115	20

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 27, 2016

QA/QC Data

SDG I.D.: GBN75966

QA/QC Batch 352570 (ug/Kg), QC Sample No: BN74951 (BN75973, BN75977, BN75981)

Pesticides - Soil

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4,4' -DDD	ND	0.83	102	100	2.0	129	141	8.9	40 - 140	30	
4,4' -DDE	ND	0.83	93	93	0.0	104	105	1.0	40 - 140	30	
4,4' -DDT	ND	0.83	99	98	1.0	NC	NC	NC	40 - 140	30	
a-BHC	ND	0.50	94	91	3.2	75	64	15.8	40 - 140	30	
a-Chlordane	ND	1.7	91	92	1.1	71	70	1.4	40 - 140	30	
Aldrin	ND	0.50	88	90	2.2	78	86	9.8	40 - 140	30	
b-BHC	ND	0.50	92	92	0.0	>200	>200	NC	40 - 140	30	m
Chlordane	ND	17	92	93	1.1	70	63	10.5	40 - 140	30	
d-BHC	ND	1.7	85	85	0.0	69	72	4.3	40 - 140	30	
Dieldrin	ND	0.50	96	96	0.0	69	70	1.4	40 - 140	30	
Endosulfan I	ND	1.7	96	96	0.0	97	66	38.0	40 - 140	30	r
Endosulfan II	ND	1.7	107	105	1.9	85	86	1.2	40 - 140	30	
Endosulfan sulfate	ND	1.7	90	90	0.0	73	71	2.8	40 - 140	30	
Endrin	ND	1.7	91	91	0.0	74	68	8.5	40 - 140	30	
Endrin aldehyde	ND	1.7	69	67	2.9	72	70	2.8	40 - 140	30	
Endrin ketone	ND	1.7	97	102	5.0	76	75	1.3	40 - 140	30	
g-BHC	ND	0.50	90	93	3.3	67	66	1.5	40 - 140	30	
g-Chlordane	ND	1.7	92	93	1.1	70	63	10.5	40 - 140	30	
Heptachlor	ND	1.7	96	99	3.1	89	90	1.1	40 - 140	30	
Heptachlor epoxide	ND	1.7	91	94	3.2	74	75	1.3	40 - 140	30	
Methoxychlor	ND	1.7	101	103	2.0	87	87	0.0	40 - 140	30	
Toxaphene	ND	67	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	45	%	99	103	4.0	77	75	2.6	30 - 150	30	
% TCMX	37	%	81	81	0.0	66	64	3.1	30 - 150	30	

Comment:

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

QA/QC Batch 352581 (ug/Kg), QC Sample No: BN75079 2X (BN75969)

Pesticides - Soil

4,4' -DDD	ND	1.7	94	82	13.6	94	73	25.1	40 - 140	30
4,4' -DDE	ND	1.7	92	80	14.0	85	71	17.9	40 - 140	30
4,4' -DDT	ND	1.7	99	86	14.1	99	82	18.8	40 - 140	30
a-BHC	ND	1.0	100	87	13.9	83	71	15.6	40 - 140	30
a-Chlordane	ND	3.3	94	81	14.9	88	73	18.6	40 - 140	30
Aldrin	ND	1.0	102	92	10.3	91	81	11.6	40 - 140	30
b-BHC	ND	1.0	100	86	15.1	83	94	12.4	40 - 140	30
Chlordane	ND	33	95	83	13.5	95	76	22.2	40 - 140	30
d-BHC	ND	3.3	83	71	15.6	69	63	9.1	40 - 140	30
Dieldrin	ND	1.0	99	83	17.6	87	72	18.9	40 - 140	30
Endosulfan I	ND	3.3	98	87	11.9	84	70	18.2	40 - 140	30
Endosulfan II	ND	3.3	109	95	13.7	95	77	20.9	40 - 140	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endosulfan sulfate	ND	3.3	93	82	12.6	78	65	18.2	40 - 140	30	
Endrin	ND	3.3	92	82	11.5	83	68	19.9	40 - 140	30	
Endrin aldehyde	ND	3.3	79	69	13.5	68	57	17.6	40 - 140	30	
Endrin ketone	ND	3.3	101	88	13.8	85	71	17.9	40 - 140	30	
g-BHC	ND	1.0	95	83	13.5	105	84	22.2	40 - 140	30	
g-Chlordane	ND	3.3	95	83	13.5	95	76	22.2	40 - 140	30	
Heptachlor	ND	3.3	97	85	13.2	78	71	9.4	40 - 140	30	
Heptachlor epoxide	ND	3.3	97	84	14.4	81	70	14.6	40 - 140	30	
Methoxychlor	ND	3.3	86	76	12.3	81	70	14.6	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	77	%	98	90	8.5	88	75	16.0	30 - 150	30	
% TCMX	63	%	87	76	13.5	76	70	8.2	30 - 150	30	

Comment:

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

QA/QC Batch 352716 (ug/Kg), QC Sample No: BN75924 2X (BN75984)

Pesticides - Soil

4,4' -DDD	ND	1.7	89	100	11.6	80	79	1.3	40 - 140	30	
4,4' -DDE	ND	1.7	78	84	7.4	69	69	0.0	40 - 140	30	
4,4' -DDT	ND	1.7	88	102	14.7	88	87	1.1	40 - 140	30	
a-BHC	ND	1.5	68	75	9.8	62	65	4.7	40 - 140	30	
a-Chlordane	ND	3.3	75	80	6.5	106	146	31.7	40 - 140	30	r
Aldrin	ND	1.0	74	80	7.8	64	69	7.5	40 - 140	30	
b-BHC	ND	1.0	74	86	15.0	70	70	0.0	40 - 140	30	
Chlordane	ND	33	75	84	11.3	58	83	35.5	40 - 140	30	r
d-BHC	ND	3.3	71	79	10.7	61	62	1.6	40 - 140	30	
Dieldrin	ND	1.0	81	89	9.4	75	75	0.0	40 - 140	30	
Endosulfan I	ND	3.3	78	84	7.4	68	69	1.5	40 - 140	30	
Endosulfan II	ND	3.3	92	106	14.1	91	89	2.2	40 - 140	30	
Endosulfan sulfate	ND	3.3	76	96	23.3	87	68	24.5	40 - 140	30	
Endrin	ND	3.3	87	97	10.9	83	82	1.2	40 - 140	30	
Endrin aldehyde	ND	3.3	72	83	14.2	69	69	0.0	40 - 140	30	
Endrin ketone	ND	3.3	86	102	17.0	88	82	7.1	40 - 140	30	
g-BHC	ND	1.0	74	80	7.8	65	69	6.0	40 - 140	30	
g-Chlordane	ND	3.3	75	84	11.3	58	83	35.5	40 - 140	30	r
Heptachlor	ND	3.3	87	93	6.7	83	92	10.3	40 - 140	30	
Heptachlor epoxide	ND	3.3	78	85	8.6	79	85	7.3	40 - 140	30	
Methoxychlor	ND	3.3	97	118	19.5	117	89	27.2	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	84	%	81	90	10.5	73	74	1.4	30 - 150	30	
% TCMX	61	%	64	68	6.1	59	63	6.6	30 - 150	30	

Comment:

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

QA/QC Batch 352720 (ug/Kg), QC Sample No: BN75924 2X (BN75984)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	74	67	9.9	71	65	8.8	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1260	ND	33	83	75	10.1	86	81	6.0	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	89	%	95	87	8.8	94	89	5.5	30 - 150	30	
% TCMX (Surrogate Rec)	76	%	78	72	8.0	74	73	1.4	30 - 150	30	

QA/QC Batch 352732 (ug/Kg), QC Sample No: BN75966 2X (BN75966)

Pesticides - Soil

4,4' -DDD	ND	1.7	63	86	30.9	119	121	1.7	40 - 140	30	r
4,4' -DDE	ND	3.0	64	88	31.6	111	116	4.4	40 - 140	30	r
4,4' -DDT	ND	1.7	62	85	31.3	114	99	14.1	40 - 140	30	r
a-BHC	ND	1.0	65	86	27.8	92	84	9.1	40 - 140	30	
a-Chlordane	ND	3.3	62	85	31.3	133	145	8.6	40 - 140	30	r
Aldrin	ND	1.0	61	82	29.4	90	103	13.5	40 - 140	30	
b-BHC	ND	1.0	61	84	31.7	108	91	17.1	40 - 140	30	r
Chlordane	ND	33	58	77	28.1	99	103	4.0	40 - 140	30	
d-BHC	ND	3.3	57	77	29.9	91	83	9.2	40 - 140	30	
Dieldrin	ND	1.0	64	88	31.6	112	117	4.4	40 - 140	30	r
Endosulfan I	ND	3.3	67	94	33.5	110	124	12.0	40 - 140	30	r
Endosulfan II	ND	3.3	72	100	32.6	135	125	7.7	40 - 140	30	r
Endosulfan sulfate	ND	3.3	61	83	30.6	78	79	1.3	40 - 140	30	r
Endrin	ND	3.3	63	87	32.0	101	104	2.9	40 - 140	30	r
Endrin aldehyde	ND	3.3	55	75	30.8	107	89	18.4	40 - 140	30	r
Endrin ketone	ND	3.3	65	89	31.2	102	96	6.1	40 - 140	30	r
g-BHC	ND	1.0	64	86	29.3	93	87	6.7	40 - 140	30	
g-Chlordane	ND	3.3	58	77	28.1	99	103	4.0	40 - 140	30	
Heptachlor	ND	3.3	66	89	29.7	102	101	1.0	40 - 140	30	
Heptachlor epoxide	ND	3.3	61	89	37.3	112	113	0.9	40 - 140	30	r
Methoxychlor	ND	3.3	52	69	28.1	120	98	20.2	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	110	%	81	111	31.3	114	123	7.6	30 - 150	30	r
% TCMX	78	%	63	81	25.0	68	62	9.2	30 - 150	30	

Comment:

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

QA/QC Batch 352684 (ug/Kg), QC Sample No: BN75966 2X (BN75966, BN75969, BN75973, BN75977, BN75981)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	69	72	4.3	73	63	14.7	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	73	78	6.6	77	67	13.9	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	105	%	94	100	6.2	100	86	15.1	30 - 150	30
% TCMX (Surrogate Rec)	91	%	78	82	5.0	85	73	15.2	30 - 150	30

QA/QC Batch 352682 (ug/kg), QC Sample No: BN75966 (BN75966, BN75969, BN75973, BN75977, BN75981)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	69	69	0.0	70	74	5.6	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	230	70	69	1.4	72	75	4.1	30 - 130	30

QA/QC Data

SDG I.D.: GBN75966

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,3,4,6-tetrachlorophenol	ND	230	69	71	2.9	74	78	5.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	75	74	1.3	76	79	3.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	70	70	0.0	72	75	4.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	76	75	1.3	78	83	6.2	30 - 130	30	
2,4-Dimethylphenol	ND	230	64	56	13.3	74	79	6.5	30 - 130	30	
2,4-Dinitrophenol	ND	230	29	39	29.4	63	70	10.5	30 - 130	30	l
2,4-Dinitrotoluene	ND	130	74	72	2.7	72	76	5.4	30 - 130	30	
2,6-Dinitrotoluene	ND	130	72	68	5.7	70	73	4.2	30 - 130	30	
2-Chloronaphthalene	ND	230	72	72	0.0	72	77	6.7	30 - 130	30	
2-Chlorophenol	ND	230	69	68	1.5	69	72	4.3	30 - 130	30	
2-Methylnaphthalene	ND	230	72	74	2.7	74	80	7.8	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	76	74	2.7	77	88	13.3	30 - 130	30	
2-Nitroaniline	ND	330	65	59	9.7	69	70	1.4	30 - 130	30	
2-Nitrophenol	ND	230	65	66	1.5	68	72	5.7	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	73	69	5.6	72	79	9.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	58	55	5.3	75	78	3.9	30 - 130	30	
3-Nitroaniline	ND	330	62	58	6.7	70	68	2.9	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	54	60	10.5	70	75	6.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	76	72	5.4	77	78	1.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	78	76	2.6	80	84	4.9	30 - 130	30	
4-Chloroaniline	ND	230	52	48	8.0	62	62	0.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	69	67	2.9	68	73	7.1	30 - 130	30	
4-Nitroaniline	ND	230	75	72	4.1	75	78	3.9	30 - 130	30	
4-Nitrophenol	ND	230	73	71	2.8	75	81	7.7	30 - 130	30	
Acenaphthene	ND	230	73	73	0.0	73	77	5.3	30 - 130	30	
Acenaphthylene	ND	130	70	69	1.4	70	75	6.9	30 - 130	30	
Acetophenone	ND	230	63	64	1.6	64	68	6.1	30 - 130	30	
Anthracene	ND	230	77	73	5.3	80	79	1.3	30 - 130	30	
Atrazine	ND	130	71	67	5.8	67	68	1.5	30 - 130	30	
Benz(a)anthracene	ND	230	75	74	1.3	94	80	16.1	30 - 130	30	
Benzaldehyde	ND	230	55	77	33.3	>200	162	NC	30 - 130	30	m,r
Benzo(a)pyrene	ND	130	74	72	2.7	91	77	16.7	30 - 130	30	
Benzo(b)fluoranthene	ND	160	82	77	6.3	97	86	12.0	30 - 130	30	
Benzo(ghi)perylene	ND	230	77	75	2.6	87	79	9.6	30 - 130	30	
Benzo(k)fluoranthene	ND	230	72	74	2.7	88	73	18.6	30 - 130	30	
Benzyl butyl phthalate	ND	230	77	76	1.3	76	78	2.6	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	79	80	1.3	78	86	9.8	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	56	58	3.5	55	59	7.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	65	65	0.0	64	68	6.1	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	86	81	6.0	77	79	2.6	30 - 130	30	
Caprolactam	ND	230	78	77	1.3	80	82	2.5	30 - 130	30	
Carbazole	ND	230	74	71	4.1	74	75	1.3	30 - 130	30	
Chrysene	ND	230	78	78	0.0	97	81	18.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	79	78	1.3	89	82	8.2	30 - 130	30	
Dibenzofuran	ND	230	70	68	2.9	69	73	5.6	30 - 130	30	
Diethyl phthalate	ND	230	73	71	2.8	73	77	5.3	30 - 130	30	
Dimethylphthalate	ND	230	73	70	4.2	71	75	5.5	30 - 130	30	
Di-n-butylphthalate	ND	230	78	75	3.9	77	79	2.6	30 - 130	30	
Di-n-octylphthalate	ND	230	79	78	1.3	80	83	3.7	30 - 130	30	
Fluoranthene	ND	230	75	73	2.7	119	77	42.9	30 - 130	30	r
Fluorene	ND	230	71	70	1.4	71	74	4.1	30 - 130	30	
Hexachlorobenzene	ND	130	77	72	6.7	74	78	5.3	30 - 130	30	
Hexachlorobutadiene	ND	230	66	67	1.5	67	71	5.8	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorocyclopentadiene	ND	230	66	66	0.0	24	19	23.3	30 - 130	30	m
Hexachloroethane	ND	130	56	58	3.5	51	55	7.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	78	77	1.3	90	81	10.5	30 - 130	30	
Isophorone	ND	130	69	70	1.4	72	77	6.7	30 - 130	30	
Naphthalene	ND	230	72	74	2.7	74	80	7.8	30 - 130	30	
Nitrobenzene	ND	130	64	64	0.0	64	69	7.5	30 - 130	30	
N-Nitrosodimethylamine	ND	230	56	58	3.5	57	58	1.7	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	71	70	1.4	71	77	8.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	77	75	2.6	77	82	6.3	30 - 130	30	
Pentachlorophenol	ND	230	64	61	4.8	79	91	14.1	30 - 130	30	
Phenanthrene	ND	130	76	73	4.0	89	80	10.7	30 - 130	30	
Phenol	ND	230	72	71	1.4	74	78	5.3	30 - 130	30	
Pyrene	ND	230	79	75	5.2	117	79	38.8	30 - 130	30	r
% 2,4,6-Tribromophenol	61	%	73	70	4.2	80	81	1.2	30 - 130	30	
% 2-Fluorobiphenyl	61	%	65	67	3.0	65	70	7.4	30 - 130	30	
% 2-Fluorophenol	63	%	69	69	0.0	67	74	9.9	30 - 130	30	
% Nitrobenzene-d5	60	%	64	64	0.0	64	68	6.1	30 - 130	30	
% Phenol-d5	67	%	75	73	2.7	74	81	9.0	30 - 130	30	
% Terphenyl-d14	63	%	70	67	4.4	70	73	4.2	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 352731 (ug/kg), QC Sample No: BN75984 (BN75984)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	56	59	5.2	50	58	14.8	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	230	66	65	1.5	61	71	15.2	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	230	67	68	1.5	62	67	7.8	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	70	71	1.4	64	73	13.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	71	73	2.8	64	72	11.8	30 - 130	30	
2,4-Dichlorophenol	ND	130	74	73	1.4	68	78	13.7	30 - 130	30	
2,4-Dimethylphenol	ND	230	72	76	5.4	72	82	13.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	36	28	25.0	68	78	13.7	30 - 130	30	l
2,4-Dinitrotoluene	ND	130	69	71	2.9	62	71	13.5	30 - 130	30	
2,6-Dinitrotoluene	ND	130	71	70	1.4	63	71	11.9	30 - 130	30	
2-Chloronaphthalene	ND	230	65	67	3.0	59	68	14.2	30 - 130	30	
2-Chlorophenol	ND	230	63	62	1.6	56	67	17.9	30 - 130	30	
2-Methylnaphthalene	ND	230	66	67	1.5	62	71	13.5	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	72	69	4.3	65	77	16.9	30 - 130	30	
2-Nitroaniline	ND	330	58	60	3.4	56	63	11.8	30 - 130	30	
2-Nitrophenol	ND	230	72	72	0.0	64	74	14.5	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	67	63	6.2	61	71	15.2	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	51	55	7.5	48	56	15.4	30 - 130	30	
3-Nitroaniline	ND	330	55	58	5.3	46	56	19.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	57	51	11.1	67	74	9.9	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	74	73	1.4	67	75	11.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	78	78	0.0	75	85	12.5	30 - 130	30	
4-Chloroaniline	ND	230	66	65	1.5	52	63	19.1	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	63	63	0.0	56	65	14.9	30 - 130	30	
4-Nitroaniline	ND	230	69	69	0.0	61	72	16.5	30 - 130	30	
4-Nitrophenol	ND	230	77	77	0.0	71	81	13.2	30 - 130	30	
Acenaphthene	ND	230	64	67	4.6	59	66	11.2	30 - 130	30	
Acenaphthylene	ND	130	65	68	4.5	59	68	14.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBN75966

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acetophenone	ND	230	62	60	3.3	54	63	15.4	30 - 130	30
Anthracene	ND	230	70	72	2.8	63	73	14.7	30 - 130	30
Atrazine	ND	130	68	68	0.0	61	67	9.4	30 - 130	30
Benz(a)anthracene	ND	230	70	70	0.0	58	67	14.4	30 - 130	30
Benzaldehyde	ND	230	22	21	4.7	40	46	14.0	30 - 130	30
Benzo(a)pyrene	ND	130	67	70	4.4	54	63	15.4	30 - 130	30
Benzo(b)fluoranthene	ND	160	77	78	1.3	59	74	22.6	30 - 130	30
Benzo(ghi)perylene	ND	230	73	74	1.4	61	68	10.9	30 - 130	30
Benzo(k)fluoranthene	ND	230	58	63	8.3	52	52	0.0	30 - 130	30
Benzyl butyl phthalate	ND	230	75	76	1.3	67	76	12.6	30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	78	78	0.0	68	79	15.0	30 - 130	30
Bis(2-chloroethyl)ether	ND	130	66	56	16.4	55	65	16.7	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	230	62	60	3.3	53	63	17.2	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	79	80	1.3	110	83	28.0	30 - 130	30
Caprolactam	ND	230	77	72	6.7	70	76	8.2	30 - 130	30
Carbazole	ND	230	71	72	1.4	64	72	11.8	30 - 130	30
Chrysene	ND	230	67	71	5.8	56	65	14.9	30 - 130	30
Dibenz(a,h)anthracene	ND	130	73	73	0.0	64	71	10.4	30 - 130	30
Dibenzofuran	ND	230	66	67	1.5	58	66	12.9	30 - 130	30
Diethyl phthalate	ND	230	63	66	4.7	56	64	13.3	30 - 130	30
Dimethylphthalate	ND	230	65	68	4.5	60	67	11.0	30 - 130	30
Di-n-butylphthalate	ND	230	78	78	0.0	66	76	14.1	30 - 130	30
Di-n-octylphthalate	ND	230	76	75	1.3	68	76	11.1	30 - 130	30
Fluoranthene	ND	230	72	72	0.0	54	63	15.4	30 - 130	30
Fluorene	ND	230	69	71	2.9	63	72	13.3	30 - 130	30
Hexachlorobenzene	ND	130	73	73	0.0	64	74	14.5	30 - 130	30
Hexachlorobutadiene	ND	230	64	66	3.1	58	68	15.9	30 - 130	30
Hexachlorocyclopentadiene	ND	230	71	69	2.9	43	47	8.9	30 - 130	30
Hexachloroethane	ND	130	54	56	3.6	47	55	15.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	73	73	0.0	61	67	9.4	30 - 130	30
Isophorone	ND	130	69	68	1.5	62	72	14.9	30 - 130	30
Naphthalene	ND	230	67	70	4.4	60	70	15.4	30 - 130	30
Nitrobenzene	ND	130	64	62	3.2	56	67	17.9	30 - 130	30
N-Nitrosodimethylamine	ND	230	53	49	7.8	43	53	20.8	30 - 130	30
N-Nitrosodi-n-propylamine	ND	130	70	65	7.4	61	73	17.9	30 - 130	30
N-Nitrosodiphenylamine	ND	130	76	78	2.6	68	78	13.7	30 - 130	30
Pentachlorophenol	ND	230	79	75	5.2	73	81	10.4	30 - 130	30
Phenanthrene	ND	130	68	71	4.3	58	67	14.4	30 - 130	30
Phenol	ND	230	68	65	4.5	59	70	17.1	30 - 130	30
Pyrene	ND	230	74	74	0.0	58	68	15.9	30 - 130	30
% 2,4,6-Tribromophenol	75	%	81	80	1.2	76	82	7.6	30 - 130	30
% 2-Fluorobiphenyl	61	%	60	62	3.3	55	62	12.0	30 - 130	30
% 2-Fluorophenol	52	%	62	59	5.0	54	64	16.9	30 - 130	30
% Nitrobenzene-d5	61	%	64	62	3.2	58	66	12.9	30 - 130	30
% Phenol-d5	59	%	68	66	3.0	61	70	13.7	30 - 130	30
% Terphenyl-d14	64	%	69	72	4.3	63	69	9.1	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 Data

SDG I.D.: GBN75966

QA/QC Batch 353243 (ug/kg), QC Sample No: BN77216 (BN75968, BN75970, BN75971, BN75972, BN75974, BN75976, BN75979, BN75980, BN75982, BN75983, BN75985, BN75986)

Volatiles - Soil

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1-Trichloroethane	ND	5.0	99	91	8.4	83	107	25.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	102	93	9.2	88	113	24.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	101	91	10.4	88	112	24.0	70 - 130	30	
1,1-Dichloroethane	ND	5.0	101	93	8.2	85	108	23.8	70 - 130	30	
1,1-Dichloroethene	ND	5.0	103	95	8.1	81	96	16.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	100	91	9.4	78	106	30.4	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	102	94	8.2	80	105	27.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	99	93	6.3	85	109	24.7	70 - 130	30	
1,2-Dibromoethane	ND	5.0	101	92	9.3	87	109	22.4	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	99	91	8.4	84	107	24.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	101	91	10.4	87	111	24.2	70 - 130	30	
1,2-Dichloropropane	ND	5.0	103	93	10.2	87	111	24.2	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	101	92	9.3	82	104	23.7	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	100	92	8.3	83	106	24.3	70 - 130	30	
1,4-dioxane	ND	100	96	88	8.7	94	119	23.5	70 - 130	30	
2-Hexanone	ND	25	89	82	8.2	78	100	24.7	70 - 130	30	
4-Methyl-2-pentanone	ND	25	94	87	7.7	84	107	24.1	70 - 130	30	
Acetone	ND	10	83	75	10.1	NC	NC	NC	70 - 130	30	
Benzene	ND	1.0	102	94	8.2	87	110	23.4	70 - 130	30	
Bromochloromethane	ND	5.0	101	92	9.3	89	110	21.1	70 - 130	30	
Bromodichloromethane	ND	5.0	106	96	9.9	87	112	25.1	70 - 130	30	
Bromoform	ND	5.0	105	97	7.9	81	104	24.9	70 - 130	30	
Bromomethane	ND	5.0	98	92	6.3	42	57	30.3	70 - 130	30	m
Carbon Disulfide	ND	5.0	96	89	7.6	76	90	16.9	70 - 130	30	
Carbon tetrachloride	ND	5.0	102	93	9.2	78	100	24.7	70 - 130	30	
Chlorobenzene	ND	5.0	100	92	8.3	84	108	25.0	70 - 130	30	
Chloroethane	ND	5.0	102	95	7.1	<10	15	NC	70 - 130	30	m
Chloroform	ND	5.0	97	88	9.7	80	104	26.1	70 - 130	30	
Chloromethane	ND	5.0	97	91	6.4	76	98	25.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	99	92	7.3	83	108	26.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	101	93	8.2	83	105	23.4	70 - 130	30	
Cyclohexane	ND	5.0	98	89	9.6	82	102	21.7	70 - 130	30	
Dibromochloromethane	ND	3.0	104	96	8.0	83	106	24.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	95	85	11.1	27	27	0.0	70 - 130	30	m
Ethylbenzene	ND	1.0	101	92	9.3	84	107	24.1	70 - 130	30	
Isopropylbenzene	ND	1.0	101	93	8.2	84	108	25.0	70 - 130	30	
m&p-Xylene	ND	2.0	100	93	7.3	84	107	24.1	70 - 130	30	
Methyl ethyl ketone	ND	5.0	97	88	9.7	86	111	25.4	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	96	87	9.8	84	107	24.1	70 - 130	30	
Methylacetate	ND	5.0	101	89	12.6	NC	NC	NC	70 - 130	30	
Methylcyclohexane	ND	5.0	106	97	8.9	88	111	23.1	70 - 130	30	
Methylene chloride	ND	5.0	87	80	8.4	72	90	22.2	70 - 130	30	
o-Xylene	ND	2.0	99	92	7.3	84	107	24.1	70 - 130	30	
Styrene	ND	5.0	101	93	8.2	86	109	23.6	70 - 130	30	
Tetrachloroethene	ND	5.0	104	98	5.9	86	112	26.3	70 - 130	30	
Toluene	ND	1.0	102	94	8.2	86	111	25.4	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	102	96	6.1	85	111	26.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	102	93	9.2	82	106	25.5	70 - 130	30	
Trichloroethene	ND	5.0	102	93	9.2	85	108	23.8	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichlorofluoromethane	ND	5.0	98	90	8.5	11	27	84.2	70 - 130	30	m,r
Trichlorotrifluoroethane	ND	5.0	101	94	7.2	79	98	21.5	70 - 130	30	
Vinyl chloride	ND	5.0	103	95	8.1	80	103	25.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	100	99	1.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	98	%	101	100	1.0	99	101	2.0	70 - 130	30	
% Dibromofluoromethane	101	%	99	97	2.0	104	100	3.9	70 - 130	30	
% Toluene-d8	96	%	103	102	1.0	101	102	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 353338 (ug/kg), QC Sample No: BN77738 (BN75978)

Volatiles - Soil

1,1,1-Trichloroethane	ND	5.0	98	96	2.1	107	107	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	87	87	0.0	95	94	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	91	89	2.2	98	96	2.1	70 - 130	30	
1,1-Dichloroethane	ND	5.0	97	94	3.1	105	105	0.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	95	94	1.1	106	108	1.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	90	88	2.2	92	85	7.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	85	82	3.6	91	86	5.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	91	90	1.1	90	90	0.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	86	87	1.2	91	91	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	89	87	2.3	94	93	1.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	92	91	1.1	102	101	1.0	70 - 130	30	
1,2-Dichloropropane	ND	5.0	93	90	3.3	102	102	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	85	81	4.8	91	89	2.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	88	85	3.5	94	93	1.1	70 - 130	30	
1,4-dioxane	ND	100	90	81	10.5	103	102	1.0	70 - 130	30	
2-Hexanone	ND	25	81	80	1.2	74	70	5.6	70 - 130	30	
4-Methyl-2-pentanone	ND	25	89	89	0.0	92	92	0.0	70 - 130	30	
Acetone	ND	10	88	84	4.7	90	77	15.6	70 - 130	30	
Benzene	ND	1.0	91	90	1.1	102	102	0.0	70 - 130	30	
Bromochloromethane	ND	5.0	94	92	2.2	101	99	2.0	70 - 130	30	
Bromodichloromethane	ND	5.0	96	92	4.3	105	104	1.0	70 - 130	30	
Bromoform	ND	5.0	85	84	1.2	89	89	0.0	70 - 130	30	
Bromomethane	ND	5.0	110	103	6.6	118	112	5.2	70 - 130	30	
Carbon Disulfide	ND	5.0	93	90	3.3	105	105	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	98	96	2.1	108	110	1.8	70 - 130	30	
Chlorobenzene	ND	5.0	89	87	2.3	97	97	0.0	70 - 130	30	
Chloroethane	ND	5.0	100	98	2.0	110	109	0.9	70 - 130	30	
Chloroform	ND	5.0	95	93	2.1	103	103	0.0	70 - 130	30	
Chloromethane	ND	5.0	88	86	2.3	92	93	1.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	95	92	3.2	104	103	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	87	84	3.5	96	96	0.0	70 - 130	30	
Cyclohexane	ND	5.0	92	89	3.3	101	101	0.0	70 - 130	30	
Dibromochloromethane	ND	3.0	89	89	0.0	95	96	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	70	67	4.4	77	78	1.3	70 - 130	30	l
Ethylbenzene	ND	1.0	92	87	5.6	99	100	1.0	70 - 130	30	
Isopropylbenzene	ND	1.0	93	91	2.2	101	100	1.0	70 - 130	30	
m&p-Xylene	ND	2.0	87	84	3.5	96	96	0.0	70 - 130	30	
Methyl ethyl ketone	ND	5.0	86	83	3.6	84	84	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	88	87	1.1	93	92	1.1	70 - 130	30	
Methylacetate	ND	5.0	90	88	2.2	89	89	0.0	70 - 130	30	
Methylcyclohexane	ND	5.0	97	92	5.3	97	98	1.0	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methylene chloride	ND	5.0	78	76	2.6	87	87	0.0	70 - 130	30	
o-Xylene	ND	2.0	89	88	1.1	96	96	0.0	70 - 130	30	
Styrene	ND	5.0	85	84	1.2	90	91	1.1	70 - 130	30	
Tetrachloroethene	ND	5.0	93	89	4.4	106	106	0.0	70 - 130	30	
Toluene	ND	1.0	97	92	5.3	107	106	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	99	97	2.0	107	106	0.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	85	83	2.4	94	93	1.1	70 - 130	30	
Trichloroethene	ND	5.0	96	93	3.2	104	102	1.9	70 - 130	30	
Trichlorofluoromethane	ND	5.0	98	93	5.2	106	109	2.8	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	95	90	5.4	108	109	0.9	70 - 130	30	
Vinyl chloride	ND	5.0	98	94	4.2	102	100	2.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	93	%	100	102	2.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	100	%	97	96	1.0	97	98	1.0	70 - 130	30	
% Dibromofluoromethane	98	%	97	99	2.0	97	97	0.0	70 - 130	30	
% Toluene-d8	89	%	102	102	0.0	105	105	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 353343 (ug/kg), QC Sample No: BN78323 (BN75967, BN75975)

Volatiles - Soil

1,1,1-Trichloroethane	ND	5.0	124	116	6.7	115	94	20.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	126	115	9.1	117	99	16.7	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	123	116	5.9	118	97	19.5	70 - 130	30	
1,1-Dichloroethane	ND	5.0	127	117	8.2	122	96	23.9	70 - 130	30	
1,1-Dichloroethene	ND	5.0	130	119	8.8	125	94	28.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	113	106	6.4	108	93	14.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	110	103	6.6	108	90	18.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	127	122	4.0	109	95	13.7	70 - 130	30	
1,2-Dibromoethane	ND	5.0	123	115	6.7	118	96	20.6	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	118	109	7.9	116	94	21.0	70 - 130	30	
1,2-Dichloroethane	ND	5.0	122	115	5.9	122	100	19.8	70 - 130	30	
1,2-Dichloropropane	ND	5.0	125	117	6.6	124	99	22.4	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	116	107	8.1	115	95	19.0	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	114	106	7.3	113	93	19.4	70 - 130	30	
1,4-dioxane	ND	100	141	118	17.8	115	103	11.0	70 - 130	30	l
2-Hexanone	ND	25	116	108	7.1	105	88	17.6	70 - 130	30	
4-Methyl-2-pentanone	ND	25	122	115	5.9	112	95	16.4	70 - 130	30	
Acetone	ND	10	107	98	8.8	95	79	18.4	70 - 130	30	
Benzene	ND	1.0	124	117	5.8	123	98	22.6	70 - 130	30	
Bromochloromethane	ND	5.0	127	115	9.9	126	96	27.0	70 - 130	30	
Bromodichloromethane	ND	5.0	128	121	5.6	122	98	21.8	70 - 130	30	
Bromoform	ND	5.0	130	125	3.9	110	90	20.0	70 - 130	30	
Bromomethane	ND	5.0	125	117	6.6	75	55	30.8	70 - 130	30	m,r
Carbon Disulfide	ND	5.0	124	114	8.4	122	94	25.9	70 - 130	30	
Carbon tetrachloride	ND	5.0	125	116	7.5	110	86	24.5	70 - 130	30	
Chlorobenzene	ND	5.0	119	111	7.0	118	95	21.6	70 - 130	30	
Chloroethane	ND	5.0	132	121	8.7	15	11	30.8	70 - 130	30	l,m,r
Chloroform	ND	5.0	129	112	14.1	116	89	26.3	70 - 130	30	
Chloromethane	ND	5.0	129	117	9.8	123	97	23.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	124	119	4.1	119	94	23.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	121	114	6.0	115	92	22.2	70 - 130	30	
Cyclohexane	ND	5.0	119	114	4.3	119	93	24.5	70 - 130	30	
Dibromochloromethane	ND	3.0	127	119	6.5	114	94	19.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBN75966

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dichlorodifluoromethane	ND	5.0	124	119	4.1	118	33	112.6	70 - 130	30	m,r
Ethylbenzene	ND	1.0	120	113	6.0	119	95	22.4	70 - 130	30	
Isopropylbenzene	ND	1.0	119	111	7.0	117	95	20.8	70 - 130	30	
m&p-Xylene	ND	2.0	118	110	7.0	117	94	21.8	70 - 130	30	
Methyl ethyl ketone	ND	5.0	124	115	7.5	114	94	19.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	122	112	8.5	114	93	20.3	70 - 130	30	
Methylacetate	ND	5.0	127	112	12.6	117	93	22.9	70 - 130	30	
Methylcyclohexane	ND	5.0	113	109	3.6	115	93	21.2	70 - 130	30	
Methylene chloride	ND	5.0	106	97	8.9	107	83	25.3	70 - 130	30	
o-Xylene	ND	2.0	118	111	6.1	118	95	21.6	70 - 130	30	
Styrene	ND	5.0	120	111	7.8	118	96	20.6	70 - 130	30	
Tetrachloroethene	ND	5.0	122	117	4.2	122	99	20.8	70 - 130	30	
Toluene	ND	1.0	123	116	5.9	121	97	22.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	127	118	7.3	123	96	24.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	120	113	6.0	113	92	20.5	70 - 130	30	
Trichloroethene	ND	5.0	122	115	5.9	121	98	21.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	123	114	7.6	25	18	32.6	70 - 130	30	m,r
Trichlorotrifluoroethane	ND	5.0	124	117	5.8	120	95	23.3	70 - 130	30	
Vinyl chloride	ND	5.0	132	123	7.1	126	99	24.0	70 - 130	30	l
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0	101	100	1.0	70 - 130	30	
% Bromofluorobenzene	98	%	100	100	0.0	99	102	3.0	70 - 130	30	
% Dibromofluoromethane	101	%	98	100	2.0	100	95	5.1	70 - 130	30	
% Toluene-d8	96	%	101	102	1.0	101	102	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%.

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
July 27, 2016

Sample Criteria Exceedences Report

GBN75966 - PREFRDNY

Criteria: NY: 375, 375GWP, 375NR, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN75968	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	180	50	50	50	ug/kg
BN75968	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	180	50	50	50	ug/kg
BN75972	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	63	50	50	50	ug/kg
BN75972	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	63	50	50	50	ug/kg
BN75973	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.2	2.2	3.3	3.3	ug/Kg
BN75973	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.0	3.3	3.3	ug/Kg
BN75973	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	63.4	0.34	63	63	mg/Kg
BN75975	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	54	50	50	50	ug/kg
BN75975	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	54	50	50	50	ug/kg
BN75976	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	75	50	50	50	ug/kg
BN75976	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	75	50	50	50	ug/kg
BN75979	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	99	50	50	50	ug/kg
BN75979	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	99	50	50	50	ug/kg
BN75981	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	80.1	0.34	63	63	mg/Kg
BN75983	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	120	50	50	50	ug/kg
BN75983	$8260_TCL_SM	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	120	50	50	50	ug/kg
BN75984	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.0	2.2	3.3	3.3	ug/Kg
BN75984	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.0	2.2	3.3	3.3	ug/Kg
BN75984	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.0	2.2	3.3	3.3	ug/Kg
BN75984	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	58.6	0.35	30	30	mg/Kg
BN75984	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	68.7	0.35	63	63	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.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

July 27, 2016 SDG I.D.: GBN75966

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

ICP Metals Narration

ARCOS 07/20/16 07:16: BN75966, BN75969, BN75973, BN75977, BN75981, BN75984

The following Continuing Calibration Verification (CCV) compounds did not meet criteria:
CCV 07/20/16 09:49: Potassium 111% (90-110)
CCV 07/20/16 11:26: Potassium 112% (90-110)
CCV 07/20/16 12:06: Potassium 112% (90-110)
The following ICP Interference Check (ICSAB) compounds did not meet criteria:
ICSAB 07/20/16 15:13: Potassium 124% (80-120)

Additional CCV criteria:
Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115%.

PEST Narration

AU-ECD13 07/20/16-1: BN75984

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: BN75977, BN75981
Preceding CC 720A019 - Methoxychlor 25%L (15%)
Succeeding CC 720A031 - Methoxychlor 19%L (15%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.
Samples: BN75984
Preceding CC 720A031 - Methoxychlor 19%L (15%)
Succeeding CC 720A041 - Methoxychlor 24%L (15%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

AU-ECD13 07/22/16-1: BN75966, BN75969, BN75973

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: BN75966, BN75969, BN75973
Preceding CC 722A004 - Methoxychlor 16%L (15%)
Succeeding CC 722A022 - Methoxychlor 17%L (15%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM12 07/20/16-1: BN75966

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Analysis Comments

July 27, 2016 SDG I.D.: GBN75966

The following Initial Calibration compounds did not meet RSD% criteria: Benzaldehyde 31% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.088 (0.1), Hexachlorobenzene 0.083 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Benzaldehyde 64%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzaldehyde 64%H (40%)
The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.086 (0.1), Hexachlorobenzene 0.083 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM19 07/19/16-2: BN75969, BN75973, BN75977, BN75981, BN75984

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 26% (20%), Benzaldehyde 29% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.059 (0.1), Hexachlorobenzene 0.085 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.063 (0.1), Hexachlorobenzene 0.085 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM14 07/22/16-1: BN75968, BN75970, BN75971, BN75972, BN75974, BN75976, BN75979, BN75980, BN75982, BN75983, BN75985, BN75986

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 27% (20%), Chloroethane 21% (20%), Methylene chloride 28% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM14 07/22/16-2: BN75967, BN75975

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 27% (20%), Chloroethane 21% (20%), Methylene chloride 28% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM18 07/22/16-2: BN75978

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

July 27, 2016 SDG I.D.: GBN75966

The following Initial Calibration compounds did not meet RSD% criteria: Methylene chloride 27% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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NY Temperature Narration

July 27, 2016

SDG I.D.: GBN75966

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☐ Email: BSchlosser@PreferredENV.com

Customer: Preferred Environmental
Address: 323 Merrick ave
N Merrick Ny

Project: Triple Way
Report to: Bill Schlosser
Invoice to: Same

Project P.O: Tech-16-125

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification

Sampler's Signature: [signature] Date: 7-18-16

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	TAL Metals (6010/7471) Be 7-19-16	TCL Pesticides/PCBs 8081/8082	Hexavalent chromium	Cyanide 9012B	TCL VOCs 8260/5035	TCL SVOCs 8270							BAG	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container (1) 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
75966	SB-1	S	7-18-16	14:05	X	X	X	X		X									2								
75967	SB-1 (0-2')								X									3		1							
75968	SB-1 (4-6')								X								1										
75969	SB-2			14:10	X	X	X	X		X								3	2								
75970	SB-2 (0-2')								X								1	3									
75971	SB-2 (2-4')								X								1	3									
75972	SB-2 (6-8')								X								1	3									
75973	SB-3			14:20	X	X	X	X		X									2								
75974	SB-3 (0-2')								X								1	3									
75975	SB-3 (2-4')								X									3		1							
75976	SB-3 (4-6')								X									3		1							

Relinquished by:	Accepted by:	Date:	Time:
Bryn Carey	[signature]	7-19-16	12:40
[signature]	[signature]	7-19-16	17:11

Comments, Special Requirements or Regulations:
* Reference Quote for TAT

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days *
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

Data Format
☑ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected:

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

Temp 3 °C Pg of

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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Client Services (860) 645-8726

Contact Options:
☐ Fax:
☐ Phone:
☐ Email: Bschlageter@Preferred ONE.com

Customer: Preferred Environmental
Address: 323 Merrick Ave
N Merrick NY

Project: Tricia Way
Report to: Bill Schlageter
Invoice to: Same

Project P.O: Tech-16-125

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 7-18-16

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: BC 7-19-16

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TAL Metals (Total) 7471	TCL Pesticides PCBs 8081/8082	Hexavalent Chromium	total Cyanide 9012B	TCL SVOCs 8270	TCL VOCs 8260/5035a							BAG	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (5) 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
75977	SB-4	S	7-18-16	14:30	X	X	X	X	X									2								
75978	SB-4 (0-2')	↓	↓	11:30						X							3									
75979	SB-4 (2-4')			13:40						X							3		1							
75980	SB-4 (6-8')			13:50						X							3		1							
75981	SB-5			14:15	X	X	X	X	X									2								
75982	SB-5 (0-2')			11:50						X						1	3									
75983	SB-5 (4-6')			14:00						X							3		1							
75984	SB-6			14:35	X	X	X	X	X									2								
75985	SB-6 (0-2')									X							3		1							
75986	SB-6 (6-8")	↓	↓							X							3		1							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	7-19-16	12:40
[signature]	[signature]	7-19-16	17:11

Comments, Special Requirements or Regulations:
* Reference Quote for TAT

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☐ Restricted/Residential
☐ Commercial
☐ Industrial

Data Format
☑ Phoenix Std Report
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: