HydroEnvironmental SOLUTIONS, INC.

May 14, 2019

Mr. Chris Murphy
Mr. Sean Murphy
East Coast North Properties LLC
416 Waverly Avenue
Mamaroneck, New York 10543

Re: Soil Quality Investigation
416 Waverly Avenue
Mamaroneck, New York

Dear Messrs. Murphy:

HydroEnvironmental Solutions, Inc. (HES) has completed a soil quality investigation at 416 Waverly Avenue in Mamaroneck, New York. HES installed four soil borings throughout the proposed 14,000 ft^2 foundation footprint to assess soil/fill quality beneath the site for disposal purposes. HES understands that approximately 400 cubic yards of soil/fill will be excavated during the foundation construction. The site location is shown on **Figure 1**.

Field Activities

On April 30, 2019, HES installed four soil borings using a Geoprobe® drill rig and the direct push drilling method. The borings were installed in the immediate vicinity of the proposed foundation. Undisturbed sediment samples were collected continuously in 4-foot increments, using a 2.25-inch steel macro core sampler. The borings were designated GB-1 MW, GB-2, GB-3 and GB-4 MW, and were installed to completion depths of 6 to 8 feet

One Deans Bridge Road ● Somers, New York 10589
914.276.2560 ● FAX 914-276-2664

below grade (ftbg). Piezometers were installed in boring locations GB-1 MW and GB-4 MW for depth to groundwater monitoring purposes, depth to water readings at the time of installation are recorded on the geologic logs. The boring locations are shown on **Figure 2**, a generalized site plan of the subject site. Geologic Logs for borings GB-1 MW, GB-2, GB-3 and GB-4 MW are included at the end of this letter.

Soil samples were collected and placed in appropriately labeled glassware following industry accepted procedures. Individual grab samples were collected at each of the four soil boring locations to be analyzed for the presence of volatile organic compounds (VOCs) via EPA Method 8260D. The remaining soil from each of the four boring locations was then homogenized in a clean stainless steel bowl as one individual 5-point composite sample to be analyzed for total petroleum hydrocarbons (TPH) via EPA Method 8015C and one individual 8-point composite to be analyzed for polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270E, poly chlorinated biphenyls (PCBs) via EPA Method 8082A, metals via EPA Method 6010D and EPA Method 6010D/7470A, and RCRA Characteristics (ignitability, corrosivity, and reactivity). The samples were transported on ice to Phoenix Environmental Laboratories, Inc. (Phoenix); a New York State certified laboratory located in Manchester, Connecticut, where they were analyzed in accordance with New York State Department of Environmental Conservation (NYSDEC) Guidelines. The laboratory analytical report for soil sampling is attached at the end of this letter.

Results

Laboratory analytical results indicate that no samples exceeded their respective NYSDEC Commercial Use Standards.

Acetone (140 micrograms per kilogram [ug/kg]) in the soil sample designated GB-1 MW (4.5-5 ftbg) exceeds its respective NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs). Additionally, chromium (34.2 ug/kg) in the soil sample designated GB 1-4 (Composite 8P) exceeds NYSDEC-UUSCOs. No other soil samples exceeded their respective NYSDEC-UUSCOs. The laboratory analytical results are summarized on **Table 1** attached at the end of this letter.

Conclusions

- With the exception of acetone, which is a known common laboratory artifact used in analytical sample extraction and preparation procedure, and

chromium, no VOCs, TPH, PAHs, PCBs, or Metals exceeded their respective NYSDEC-UUSCOs in any of the soil samples collected for laboratory analysis.

- No VOCs, TPH, PAHs, PCBs, or Metals exceeded their respective NYSDEC-Commercial Use Standards in any of the soil samples collected for laboratory analysis.

- According to waste classification analysis, this soil would meet disposal requirements at multiple NYSDEC approved facilities as a non-hazardous waste.

Recommendations

Based upon laboratory analytical results, HES believes that no significant impacts to the soil/fill quality exist beneath the top 6 feet of soil/fill. Additionally, the soil/fill does meet NYSDEC Commercial Use Standards. Based on the characterization of the material which includes "urban fill" we recommend that any excavated material be disposed of at an approved NYSDEC processing facility.

Please contact us at (914) 276-2560 with any questions or concerns you may have regarding this project.

Very truly yours,
HydroEnvironmental Solutions, Inc.

Michael J. Scott
Geologist/Hydrogeologist

William A. Canavan, PG, LSRP
President

Enclosures

cc: File

HydroEnvironmental SOLUTIONS, INC.
One Deans Bridge Road Somers, New York 10589
(914) 276 - 2560 Fax: (914) 276 - 2664

TABLES

TABLE 1

416 WAVERLY AVENUE
MAMARONECK, NEW YORK

SUMMARY OF SOIL QUALITY LABORATORY ANALYTICAL RESULTS

Collection Date	Units	NY 375 Commercial	NY 375 Res UnRestricted	04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019	
Client Id				GB 1-4 (COMPOSITE 8P)		GB 1-4 (COMPOSITE 5P)		GB-1 (4.5-5 ftbg)		GB-2 (1-1.5 ftbg)		GB-3 (3.5-4 ftbg)		GB-4 (3-3.5ftbg)	
Matrix				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Miscellaneous/Inorganics															
Corrosivity	Pos/Neg			Negative											
Flash Point	Degree F			< 200	200										
Ignitability	degree F			< 140	140										
Percent Solid	%			50		75									
pH at 25C - Soil	pH Units			7.72	1										
Reactivity	Pos/Neg			Negative											
Reactivity Cyanide	mg/Kg			< 9	9										
Reactivity Sulfide	mg/Kg			< 20	20										
Metals Total															
Aluminum	mg/Kg			21000	93										
Antimony	mg/Kg			< 6.2	6.2										
Arsenic	mg/Kg	16	13	4.8	1.2										
Barium	mg/Kg	400	350	97.8	0.62										
Beryllium	mg/Kg	590	7.2	0.67	0.49										
Cadmium	mg/Kg	9.3	2.5	< 0.62	0.62										
Calcium	mg/Kg			4750	9.3										
Chromium	mg/Kg		30	34.2	0.62										
Cobalt	mg/Kg			13.4	0.62										
Copper	mg/kg	270	50	28.1	1.2										
Iron	mg/Kg			28700	93										
Lead	mg/Kg	1000	63	33.8	0.62										
Magnesium	mg/Kg			5800	9.3										
Manganese	mg/Kg	10000	1600	373	6.2										
Mercury	mg/Kg	2.8	0.18	0.18	0.12										
Nickel	mg/Kg	310	30	24	0.62										
Potassium	mg/Kg			2400	9.3										
Selenium	mg/Kg	1500	3.9	< 2.5	2.5										
Silver	mg/Kg	1500	2	< 0.62	0.62										
Sodium	mg/Kg			198	9.3										
Thallium	mg/Kg			< 5.6	5.6										
Vanadium	mg/Kg			41.8	0.62										
Zinc	mg/Kg	10000	109	82.4	1.2										
Polychlorinated Biphenyls - SW8082A															
PCB-1016	ug/Kg	1000	100	< 660	660										
PCB-1221	ug/Kg	1000	100	< 660	660										
PCB-1232	ug/Kg	1000	100	< 660	660										
PCB-1242	ug/Kg	1000	100	< 660	660										
PCB-1248	ug/Kg	1000	100	< 660	660										
PCB-1254	ug/Kg	1000	100	< 660	660										
PCB-1260	ug/Kg	1000	100	< 660	660										
PCB-1262	ug/Kg		100	< 660	660										
PCB-1268	ug/Kg		100	< 660	660										
Semivolatiles - SW8270D															
1,2,4,5-Tetrachlorobenzene	ug/Kg			< 460	460										
1,2,4-Trichlorobenzene	ug/Kg			< 460	460										
1,2-Dichlorobenzene	ug/Kg	500000	1100	< 460	460										
1,2-Diphenylhydrazine	ug/Kg			< 660	660										
1,3-Dichlorobenzene	ug/Kg	280000	2400	< 460	460										
1,4-Dichlorobenzene	ug/Kg	130000	1800	< 460	460										
2,4,5-Trichlorophenol	ug/Kg			< 460	460										
2,4,6-Trichlorophenol	ug/Kg			< 460	460										
2,4-Dichlorophenol	ug/Kg			< 460	460										
2,4-Dimethylphenol	ug/Kg			< 460	460										
2,4-Dinitrophenol	ug/Kg			< 660	660										
2,4-Dinitrotoluene	ug/Kg			< 460	460										
2,6-Dinitrotoluene	ug/Kg			< 460	460										
2-Chloronaphthalene	ug/Kg			< 460	460										
2-Chlorophenol	ug/Kg			< 460	460										
2-Methylnaphthalene	ug/Kg			< 460	460										
2-Methylphenol (o-cresol)	ug/Kg	500000	330	< 460	460										
2-Nitroaniline	ug/Kg			< 660	660										
2-Nitrophenol	ug/Kg			< 460	460										
3&4-Methylphenol (m&p-cresol)	ug/Kg			< 660	660										
3,3'-Dichlorobenzidine	ug/Kg			< 460	460										
3-Nitroaniline	ug/Kg			< 660	660										
4,6-Dinitro-2-methylphenol	ug/Kg			< 660	660										
4-Bromophenyl phenyl ether	ug/Kg			< 660	660										
4-Chloro-3-methylphenol	ug/Kg			< 460	460										
4-Chloroaniline	ug/Kg			< 460	460										
4-Chlorophenyl phenyl ether	ug/Kg			< 460	460										
4-Nitroaniline	ug/Kg			< 1100	1100										
4-Nitrophenol	ug/Kg			< 460	460										
Acenaphthene	ug/Kg	500000	20000	< 460	460										
Acenaphthylene	ug/Kg	500000	100000	< 460	460										
Acetophenone	ug/Kg			< 460	460										
Aniline	ug/Kg			< 660	660										
Anthracene	ug/Kg	500000	100000	< 460	460										
Benz(a)anthracene	ug/Kg	5600	1000	< 460	460										
Benzidine	ug/Kg			< 460	460										
Benzo(a)pyrene	ug/Kg	1000	1000	< 460	460										

TABLE 1

416 WAVERLY AVENUE
MAMARONECK, NEW YORK

SUMMARY OF SOIL QUALITY LABORATORY ANALYTICAL RESULTS

Collection Date	Units	NY 375 Commercial	NY 375 Res UnRestricted	04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019	
Client Id				GB 1-4 (COMPOSITE 8P)		GB 1-4 (COMPOSITE 5P)		GB-1 (4.5-5 ftbg)		GB-2 (1-1.5 ftbg)		GB-3 (3.5-4 ftbg)		GB-4 (3-3.5ftbg)	
Matrix				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Benzo(b)fluoranthene	ug/Kg	5600	1000	< 460	460										
Benzo(ghi)perylene	ug/Kg	500000	100000	< 460	460										
Benzo(k)fluoranthene	ug/Kg	56000	800	< 460	460										
Benzoic acid	ug/Kg			< 1300	1300										
Benzyl butyl phthalate	ug/Kg			< 460	460										
Bis(2-chloroethoxy)methane	ug/Kg			< 460	460										
Bis(2-chloroethyl)ether	ug/Kg			< 660	660										
Bis(2-chloroisopropyl)ether	ug/Kg			< 460	460										
Bis(2-ethylhexyl)phthalate	ug/Kg			< 460	460										
Carbazole	ug/Kg			< 660	660										
Chrysene	ug/Kg	56000	1000	< 460	460										
Di-n-butylphthalate	ug/Kg			< 660	660										
Di-n-octylphthalate	ug/Kg			< 460	460										
Dibenz(a,h)anthracene	ug/Kg	560	330	< 460	460										
Dibenzofuran	ug/Kg	350000	330	< 460	460										
Diethyl phthalate	ug/Kg			< 460	460										
Dimethylphthalate	ug/Kg			< 460	460										
Fluoranthene	ug/Kg	500000	100000	< 460	460										
Fluorene	ug/Kg	500000	30000	< 460	460										
Hexachlorobenzene	ug/Kg	6000		< 460	460										
Hexachlorobutadiene	ug/Kg			< 460	460										
Hexachlorocyclopentadiene	ug/Kg			< 460	460										
Hexachloroethane	ug/Kg			< 460	460										
Indeno(1,2,3-cd)pyrene	ug/Kg	5600	500	< 460	460										
Isophorone	ug/Kg			< 460	460										
N-Nitrosodi-n-propylamine	ug/Kg			< 460	460										
N-Nitrosodimethylamine	ug/Kg			< 660	660										
N-Nitrosodiphenylamine	ug/Kg			< 660	660										
Naphthalene	ug/Kg	500000	12000	< 460	460										
Nitrobenzene	ug/Kg			< 460	460										
Pentachloronitrobenzene	ug/Kg			< 660	660										
Pentachlorophenol	ug/Kg	6700	800	< 660	660										
Phenanthrene	ug/Kg	500000	100000	< 460	460										
Phenol	ug/Kg	500000	330	< 460	460										
Pyrene	ug/Kg	500000	100000	< 460	460										
Pyridine	ug/Kg			< 660	660										
TPH by GC (Extractable Products) - SW8015D DRO															
Fuel Oil #2 / Diesel Fuel	mg/kg					< 67	67								
Fuel Oil #4	mg/kg					< 67	67								
Fuel Oil #6	mg/kg					< 67	67								
Kerosene	mg/kg					< 67	67								
Motor Oil	mg/kg					< 67	67								
Other Oil	mg/kg					< 67	67								
Unidentified	mg/kg					< 67	67								
Volatiles - SW8260C															
1,1,1,2-Tetrachloroethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,1,1-Trichloroethane	ug/Kg	500000	680					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,1,2,2-Tetrachloroethane	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,1,2-Trichloroethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,1-Dichloroethane	ug/Kg	240000	270					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,1-Dichloroethene	ug/Kg	500000	330					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,1-Dichloropropene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,2,3-Trichlorobenzene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2,3-Trichloropropane	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2,4-Trichlorobenzene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2,4-Trimethylbenzene	ug/Kg	190000	3600					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2-Dibromo-3-chloropropane	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2-Dibromoethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,2-Dichlorobenzene	ug/Kg	500000	1100					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,2-Dichloroethane	ug/Kg	30000	20					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,2-Dichloropropane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,3,5-Trimethylbenzene	ug/Kg	190000	8400					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,3-Dichlorobenzene	ug/Kg	280000	2400					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
1,3-Dichloropropane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
1,4-Dichlorobenzene	ug/Kg	130000	1800					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
2,2-Dichloropropane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
2-Chlorotoluene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
2-Hexanone	ug/Kg							< 24	24	< 23	23	< 22	22	< 14	14
2-Isopropyltoluene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
4-Chlorotoluene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
4-Methyl-2-pentanone	ug/Kg							< 24	24	< 23	23	< 22	22	< 14	14
Acetone	ug/Kg	500000	50					140	24	< 23	23	< 22	22	< 14	14
Acrylonitrile	ug/Kg							< 9.5	9.5	< 9.2	9.2	< 8.9	8.9	< 5.5	5.5
Benzene	ug/Kg	44000	60					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Bromobenzene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
Bromochloromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Bromodichloromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Bromoform	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Bromomethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Carbon Disulfide	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Carbon tetrachloride	ug/Kg	22000	760					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8

TABLE 1

416 WAVERLY AVENUE
MAMARONECK, NEW YORK

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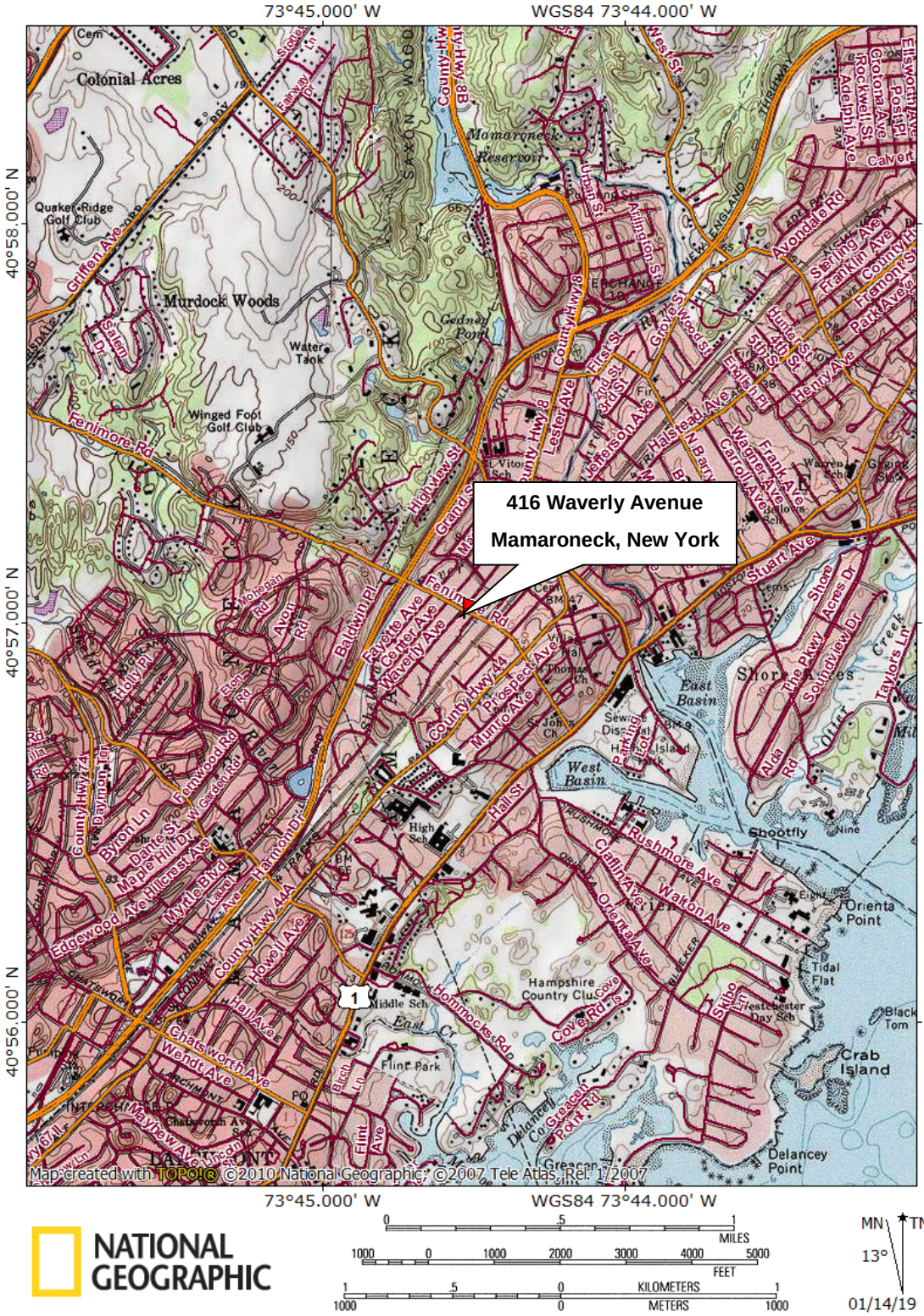
Collection Date	Units	NY 375 Commercial	NY 375 Res UnRestricted	04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019		04/30/2019	
Client Id				GB 1-4 (COMPOSITE 8P)		GB 1-4 (COMPOSITE 5P)		GB-1 (4.5-5 ftbg)		GB-2 (1-1.5 ftbg)		GB-3 (3.5-4 ftbg)		GB-4 (3-3.5ftbg)	
Matrix				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Chlorobenzene	ug/Kg	500000	1100					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Chloroethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Chloroform	ug/Kg	350000	370					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Chloromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
cis-1,2-Dichloroethene	ug/Kg	500000	250					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
cis-1,3-Dichloropropene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Dibromochloromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Dibromomethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Dichlorodifluoromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Ethylbenzene	ug/Kg	390000	1000					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Hexachlorobutadiene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
Isopropylbenzene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
m&p-Xylene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Methyl Ethyl Ketone	ug/Kg	500000	120					75	24	< 23	23	< 22	22	< 14	14
Methyl t-butyl ether (MTBE)	ug/Kg	500000	930					< 9.5	9.5	< 9.2	9.2	< 8.9	8.9	< 5.5	5.5
Methylene chloride	ug/Kg	500000	50					< 9.5	9.5	< 9.2	9.2	< 8.9	8.9	< 5.5	5.5
n-Butylbenzene	ug/Kg	500000	12000					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
n-Propylbenzene	ug/Kg	500000	3900					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
Naphthalene	ug/Kg	500000	12000					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
o-Xylene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
p-Isopropyltoluene	ug/Kg							< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
sec-Butylbenzene	ug/Kg	500000	11000					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
Styrene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
tert-Butylbenzene	ug/Kg	500000	5900					< 4.8	4.8	< 330	330	< 4.5	4.5	< 2.8	2.8
Tetrachloroethene	ug/Kg	150000	1300					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Tetrahydrofuran (THF)	ug/Kg							< 9.5	9.5	< 9.2	9.2	< 8.9	8.9	< 5.5	5.5
Toluene	ug/Kg	500000	700					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Total Xylenes	ug/Kg		260					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
trans-1,2-Dichloroethene	ug/Kg	500000	190					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
trans-1,3-Dichloropropene	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
trans-1,4-dichloro-2-butene	ug/Kg							< 9.5	9.5	< 670	670	< 8.9	8.9	< 5.5	5.5
Trichloroethene	ug/Kg	200000	470					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Trichlorofluoromethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Trichlorotrifluoroethane	ug/Kg							< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8
Vinyl chloride	ug/Kg	13000	20					< 4.8	4.8	< 4.6	4.6	< 4.5	4.5	< 2.8	2.8

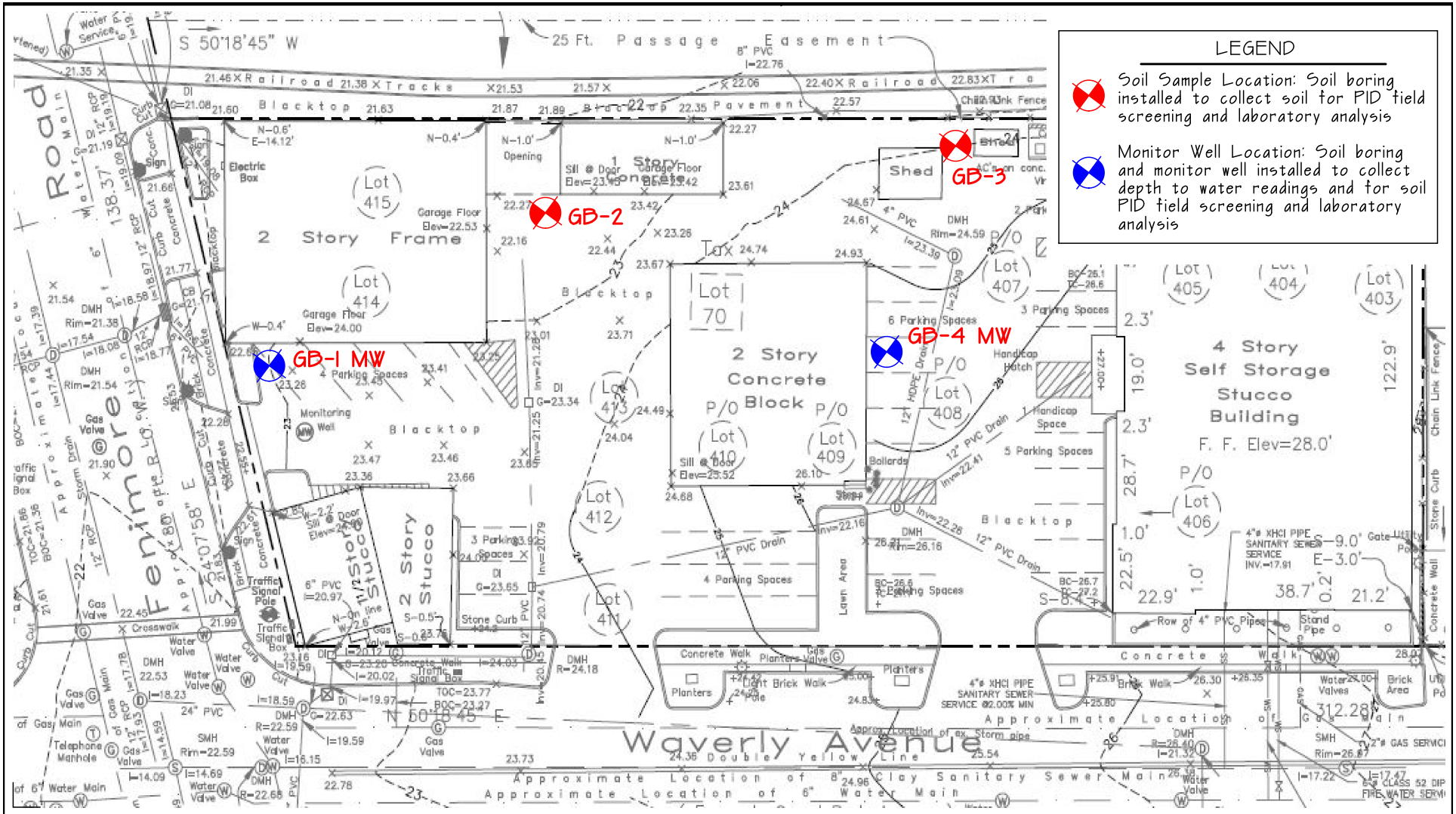
Note: Any exceedance is color coded by regulation

FIGURES

FIGURE 1

Site Location Map





416 WAVERLY AVENUE MAMARONECK, NEW YORK	GENERALIZED SITE PLAN Adapted From Hudson Engineering & Consulting, P.C.	NOT TO SCALE	MAY 2019
		SOIL SAMPLING	

HydroEnvironmental
SOLUTIONS, INC.
One Deans Bridge Road
Somers, New York 10589

GEOLOGIC LOGS

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**CLIENT**: East Coast North Properties, LLC **WELL NO.:** GB-1 MW **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 416 Waverly Avenue Mamaroneck, New York	**SCREEN SIZE & TYPE:** 1-inch Schedule 40 PVC **SLOT NO.:** 20 **SETTING**: 6 – 1 ftbg
DATE COMPLETED: 4/30/2019	**SAND PACK SIZE & TYPE:** No.2
DRILLING COMPANY: HES	**SETTING:** 6 – 1 ftbg
	CASING SIZE & TYPE: 1-inch Schedule 40 PVC
DRILLING METHOD: Geoprobe 54DT	**SETTING:** 1 – 0 ftbg
SAMPLING METHOD: 2.25-inch Macro Core	**SEAL TYPE:** Bentonite
DRILLER and/or OBSERVER: MJS	**SETTING:** 1 – 0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**: 3.1 ftbg
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Soil sampling and monitor well installation	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	4	MC	--	2	2.0	(0-3) FILL (ash, slag, brick); black; moist; no odor
						(3-4) CLAY and SAND (fine); light brown; moist; no odor
4	8	MC	--	3.75	2.5	(4-7.5) CLAY w/ organics; dark brown to black; moist; no odor
						(7.5-8) SAND (medium); gray; wet; no odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**CLIENT**: East Coast North Properties, LLC **WELL NO.:** GB-2 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 416 Waverly Avenue Mamaroneck, New York	**SCREEN SIZE & TYPE:** **SLOT NO.:** **SETTING**:
DATE COMPLETED: 4/30/2019	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES	**SETTING:**
	CASING SIZE & TYPE:
DRILLING METHOD: Geoprobe 54DT	**SETTING:**
SAMPLING METHOD: 2.25-inch Macro Core	**SEAL TYPE:**
DRILLER and/or OBSERVER: MJS	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**: NA
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Soil sampling	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	4	MC	--	2.5	1.7	FILL (ash, slag, brick); black; moist; no odor
4	6	MC	--	1	3.5	GRAVEL (medium, rounded) and SAND (medium); tan; wet; no odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**CLIENT**: East Coast North Properties, LLC **WELL NO.:** GB-3 **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 416 Waverly Avenue Mamaroneck, New York	**SCREEN SIZE & TYPE:** **SLOT NO.:** **SETTING**:
DATE COMPLETED: 4/30/2019	**SAND PACK SIZE & TYPE:**
DRILLING COMPANY: HES	**SETTING:**
	CASING SIZE & TYPE:
DRILLING METHOD: Geoprobe 54DT	**SETTING:**
SAMPLING METHOD: 2.25-inch Macro Core	**SEAL TYPE:**
DRILLER and/or OBSERVER: MJS	**SETTING:**
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**: NA
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Soil sampling	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	4	MC	--	3	0.7	(0-3) FILL (ash, slag, brick); black; moist; no odor
						(3-4) SILT trace SAND (fine); brown; moist; no odor
4	6	MC	--	2	0.6	(4-4.5) SILT trace SAND (fine); brown; moist; no odor
						(4.5-6) SAND (fine to medium); tan; wet; no odor

GEOLOGIC LOG HydroEnvironmental SOLUTIONS, INC.	**CLIENT**: East Coast North Properties, LLC **WELL NO.:** GB-4 MW **PAGE** 1 **OF** 1 **PAGES**
SITE LOCATION: 416 Waverly Avenue Mamaroneck, New York	**SCREEN SIZE & TYPE:** 1-inch Schedule 40 PVC **SLOT NO.:** 20 **SETTING**: 7.2 – 2.2 ftbg
DATE COMPLETED: 4/30/2019	**SAND PACK SIZE & TYPE:** No.2
DRILLING COMPANY: HES	**SETTING:** 7.2 – 1 ftbg
	CASING SIZE & TYPE: 1-inch Schedule 40 PVC
DRILLING METHOD: Geoprobe 54DT	**SETTING:** 2.2 – 0 ftbg
SAMPLING METHOD: 2.25-inch Macro Core	**SEAL TYPE:** Bentonite
DRILLER and/or OBSERVER: MJS	**SETTING:** 1 – 0 ftbg
REFERENCE POINT (RP): Grade	**BACKFILL TYPE**:
ELEVATION OF RP:	**STATIC WATER LEVEL**: 4.8 ftbg
STICK-UP:	**DEVELOPMENT METHOD**:
SURFACE COMPLETION:	**DURATION**: – **YIELD**: –
REMARKS: Soil sampling and monitor well installation	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube **REC = Recovery PPM = parts per million ftbg = feet below grade MC = macro core sampler**	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
FROM	TO					
0	4	MC	--	3	0.6	(0-1) FILL (ash, slag, brick); black; moist; no odor
						(1-4) SAND (fine) some SILT; reddish tan; moist; no odor
4	8	MC	--	3.75	0.8	SAND (fine to coarse); tan; wet; no odor

LABORATORY ANALYTICAL REPORT
FOR SOIL

PHOENIX
Environmental Laboratories, Inc.

Monday, May 13, 2019

Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Project ID: **416 WAVERLY AVE., MAMARONECK, NY**
SDG ID: **GCD05016**
Sample ID#s: CD05016 - CD05021

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

NY # 11301

Sample Id Cross Reference

May 13, 2019

SDG I.D.: GCD05016

Project ID: 416 WAVERLY AVE., MAMARONECK, NY

Client Id	Lab Id	Matrix
GB-1 (4.5-5)	CD05016	SOIL
GB-2 (1-1.5)	CD05017	SOIL
GB-3 (3.5-4)	CD05018	SOIL
GB-4 (3-3.5)	CD05019	SOIL
GB 1-4 (COMPOSITE 5P)	CD05020	SOIL
GB 1-4 (COMPOSITE 8P)	CD05021	SOIL

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

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05016

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-1 (4.5-5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloropropene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromoethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloroethane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloropropane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichloropropane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2,2-Dichloropropane	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Chlorotoluene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Hexanone	ND	24	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Isopropyltoluene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	1
4-Chlorotoluene	ND	4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	24	ug/Kg	1	05/05/19	JLI	SW8260C	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-1 (4.5-5)

Phoenix I.D.: CD05016

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	140	S	24	ug/Kg	1	05/05/19	JLI	SW8260C	
Acrylonitrile	ND		9.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Benzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromobenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromochloromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromodichloromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromoform	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromomethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon Disulfide	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon tetrachloride	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chlorobenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroform	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromochloromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromomethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Ethylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Hexachlorobutadiene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Isopropylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
m&p-Xylene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl Ethyl Ketone	75		24	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		9.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Methylene chloride	ND		9.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Naphthalene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Butylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Propylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
o-Xylene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
p-Isopropyltoluene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
sec-Butylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Styrene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
tert-Butylbenzene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrachloroethene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		9.5	ug/Kg	1	05/05/19	JLI	SW8260C	1
Toluene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Total Xylenes	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		9.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichloroethene	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorofluoromethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Vinyl chloride	ND		4.8	ug/Kg	1	05/05/19	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	05/05/19	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	1	05/05/19	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	05/05/19	JLI	70 - 130 %	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-1 (4.5-5)

Phoenix I.D.: CD05016

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	99		%	1	05/05/19	JLI	70 - 130 %	
Field Extraction	Completed				04/30/19		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
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.

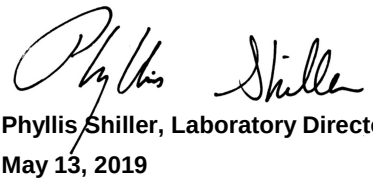
Comments:

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.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
May 13, 2019
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05017

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-2 (1-1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloropropene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2-Dibromoethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,2-Dichloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloropropane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
1,3-Dichloropropane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
2,2-Dichloropropane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Chlorotoluene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
2-Hexanone	ND	23	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Isopropyltoluene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	1
4-Chlorotoluene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	ug/Kg	1	05/05/19	JLI	SW8260C	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-2 (1-1.5)

Phoenix I.D.: CD05017

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	23	ug/Kg	1	05/05/19	JLI	SW8260C	
Acrylonitrile	ND	9.2	ug/Kg	1	05/05/19	JLI	SW8260C	
Benzene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromobenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
Bromochloromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromodichloromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromoform	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromomethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon Disulfide	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon tetrachloride	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Chlorobenzene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroform	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromochloromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromomethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Ethylbenzene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Hexachlorobutadiene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
Isopropylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
m&p-Xylene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	23	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	9.2	ug/Kg	1	05/05/19	JLI	SW8260C	
Methylene chloride	ND	9.2	ug/Kg	1	05/05/19	JLI	SW8260C	
Naphthalene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
n-Butylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
n-Propylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
o-Xylene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
p-Isopropyltoluene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
sec-Butylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
Styrene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
tert-Butylbenzene	ND	330	ug/Kg	50	05/04/19	JLI	SW8260C	
Tetrachloroethene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	9.2	ug/Kg	1	05/05/19	JLI	SW8260C	1
Toluene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Total Xylenes	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	670	ug/Kg	50	05/04/19	JLI	SW8260C	
Trichloroethene	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorofluoromethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
Vinyl chloride	ND	4.6	ug/Kg	1	05/05/19	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	119		%	1	05/05/19	JLI	70 - 130 %	
% Bromofluorobenzene	84		%	1	05/05/19	JLI	70 - 130 %	
% Dibromofluoromethane	103		%	1	05/05/19	JLI	70 - 130 %	

Ver 2

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-2 (1-1.5)

Phoenix I.D.: CD05017

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	98		%	1	05/05/19	JLI	70 - 130 %	
% 1,2-dichlorobenzene-d4 (50x)	99		%	50	05/04/19	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	97		%	50	05/04/19	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	100		%	50	05/04/19	JLI	70 - 130 %	
% Toluene-d8 (50x)	96		%	50	05/04/19	JLI	70 - 130 %	
Field Extraction	Completed				04/30/19		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
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.

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

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
May 13, 2019
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05018

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-3 (3.5-4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloropropene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromoethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloropropane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichloropropane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
2,2-Dichloropropane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Chlorotoluene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Hexanone	ND	22	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Isopropyltoluene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	1
4-Chlorotoluene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	22	ug/Kg	1	05/05/19	JLI	SW8260C	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-3 (3.5-4)

Phoenix I.D.: CD05018

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	22	ug/Kg	1	05/05/19	JLI	SW8260C	
Acrylonitrile	ND	8.9	ug/Kg	1	05/05/19	JLI	SW8260C	
Benzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromochloromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromodichloromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromoform	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromomethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon Disulfide	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon tetrachloride	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Chlorobenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroform	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromochloromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromomethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Ethylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Hexachlorobutadiene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Isopropylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
m&p-Xylene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	22	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	8.9	ug/Kg	1	05/05/19	JLI	SW8260C	
Methylene chloride	ND	8.9	ug/Kg	1	05/05/19	JLI	SW8260C	
Naphthalene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Butylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Propylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
o-Xylene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
p-Isopropyltoluene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
sec-Butylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Styrene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
tert-Butylbenzene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrachloroethene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.9	ug/Kg	1	05/05/19	JLI	SW8260C	1
Toluene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Total Xylenes	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.9	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichloroethene	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorofluoromethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Vinyl chloride	ND	4.5	ug/Kg	1	05/05/19	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	05/05/19	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/05/19	JLI	70 - 130 %	
% Dibromofluoromethane	98		%	1	05/05/19	JLI	70 - 130 %	

Ver 2

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-3 (3.5-4)

Phoenix I.D.: CD05018

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	100		%	1	05/05/19	JLI	70 - 130 %	
Field Extraction	Completed				04/30/19		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

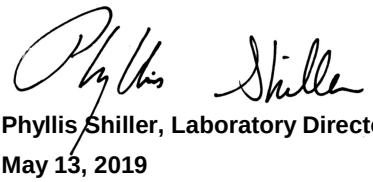
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
May 13, 2019
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05019

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-4 (3-3.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,1-Trichloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1,2-Trichloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloroethene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,1-Dichloropropene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,3-Trichloropropane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dibromoethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,2-Dichloropropane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,3-Dichloropropane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
1,4-Dichlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2,2-Dichloropropane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Chlorotoluene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Hexanone	ND	14	ug/Kg	1	05/05/19	JLI	SW8260C	
2-Isopropyltoluene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	1
4-Chlorotoluene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
4-Methyl-2-pentanone	ND	14	ug/Kg	1	05/05/19	JLI	SW8260C	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-4 (3-3.5)

Phoenix I.D.: CD05019

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	14	ug/Kg	1	05/05/19	JLI	SW8260C	
Acrylonitrile	ND	5.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Benzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromochloromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromodichloromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromoform	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Bromomethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon Disulfide	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Carbon tetrachloride	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chlorobenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloroform	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Chloromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromochloromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dibromomethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Dichlorodifluoromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Ethylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Hexachlorobutadiene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Isopropylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
m&p-Xylene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl Ethyl Ketone	ND	14	ug/Kg	1	05/05/19	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	5.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Methylene chloride	ND	5.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Naphthalene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Butylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
n-Propylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
o-Xylene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
p-Isopropyltoluene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
sec-Butylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Styrene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
tert-Butylbenzene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrachloroethene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	5.5	ug/Kg	1	05/05/19	JLI	SW8260C	1
Toluene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Total Xylenes	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.5	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichloroethene	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorofluoromethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Trichlorotrifluoroethane	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
Vinyl chloride	ND	2.8	ug/Kg	1	05/05/19	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	05/05/19	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/05/19	JLI	70 - 130 %	
% Dibromofluoromethane	101		%	1	05/05/19	JLI	70 - 130 %	

Ver 2

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB-4 (3-3.5)

Phoenix I.D.: CD05019

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	100		%	1	05/05/19	JLI	70 - 130 %	
Field Extraction	Completed				04/30/19		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
May 13, 2019
Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05020

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB 1-4 (COMPOSITE 5P)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	75		%		05/01/19	ML	SW846-%Solid	
Extraction of TPH SM	Completed				05/02/19	MJ/VL	SW3545A	
TPH by GC (Extractable Products)								
Fuel Oil #2 / Diesel Fuel	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Fuel Oil #4	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Fuel Oil #6	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Kerosene	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Motor Oil	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Other Oil	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
Unidentified	ND	67	mg/kg	1	05/03/19	KCA	SW8015D DRO	1
QA/QC Surrogates								
% n-Pentacosane	89		%	1	05/03/19	KCA	50 - 150 %	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB 1-4 (COMPOSITE 5P)

Phoenix I.D.: CD05020

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

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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
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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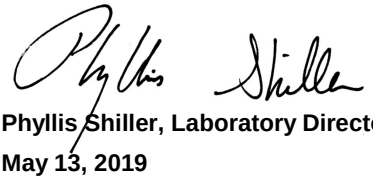

Phyllis Shiller, Laboratory Director

May 13, 2019

Reviewed and Released by: Sarah Bell, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 13, 2019

FOR: Attn: Mr. William Canavan
HydroEnvironmental Solutions, Inc.
One Deans Bridge Rd
Somers NY 10589

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/30/19	
Location Code:	HES-NY	Received by:	LB	05/01/19	16:44
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCD05016
Phoenix ID: CD05021

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB 1-4 (COMPOSITE 8P)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.62	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Aluminum	21000	93	mg/Kg	10	05/02/19	TH	SW6010D	
Arsenic	4.8	1.2	mg/Kg	1	05/02/19	TH	SW6010D	
Barium	97.8	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Beryllium	0.67	0.49	mg/Kg	1	05/02/19	TH	SW6010D	
Calcium	4750	9.3	mg/Kg	1	05/02/19	TH	SW6010D	
Cadmium	< 0.62	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Cobalt	13.4	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Chromium	34.2	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Copper	28.1	1.2	mg/kg	1	05/02/19	TH	SW6010D	
Iron	28700	93	mg/Kg	10	05/02/19	EK	SW6010D	
Mercury	0.18	0.12	mg/Kg	1	05/03/19	RS	SW7471B	
Potassium	2400	9.3	mg/Kg	1	05/02/19	TH	SW6010D	
Magnesium	5800	9.3	mg/Kg	1	05/02/19	TH	SW6010D	
Manganese	373	6.2	mg/Kg	10	05/02/19	TH	SW6010D	
Sodium	198	9.3	mg/Kg	1	05/02/19	TH	SW6010D	
Nickel	24.0	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Lead	33.8	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Antimony	< 6.2	6.2	mg/Kg	1	05/02/19	TH	SW6010D	
Selenium	< 2.5	2.5	mg/Kg	1	05/02/19	TH	SW6010D	
Thallium	< 5.6	5.6	mg/Kg	1	05/02/19	TH	SW6010D	
Vanadium	41.8	0.62	mg/Kg	1	05/02/19	TH	SW6010D	
Zinc	82.4	1.2	mg/Kg	1	05/02/19	TH	SW6010D	
Percent Solid	50		%		05/01/19	ML	SW846-%Solid	
Corrosivity	Negative		Pos/Neg	1	05/01/19	AP	SW846-Corr	1
Flash Point	>200	200	Degree F	1	05/03/19	Y	SW1010A	
Ignitability	Passed	140	degree F	1	05/03/19	Y	SW846-Ignit	1
pH at 25C - Soil	7.72	1.00	pH Units	1	05/01/19 23:09	AP	SW9045	1

Ver 2

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB 1-4 (COMPOSITE 8P)

Phoenix I.D.: CD05021

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Reactivity Cyanide	< 9	9	mg/Kg	1	05/06/19	JO/GD	SW846-ReactCyn	1
Reactivity Sulfide	< 20	20	mg/Kg	1	05/06/19	JO/GD	SW-7.3	1
Reactivity	Negative		Pos/Neg	1	05/06/19	JO/GD	SW846-React	1
Soil Extraction for PCB	Completed				05/01/19	MM/V	SW3545A	
Soil Extraction for SVOA	Completed				05/02/19	JJ/LV	SW3545A	
Mercury Digestion	Completed				05/03/19	I/I	SW7471B	
Total Metals Digest	Completed				05/01/19	M/AG/BF	SW3050B	
Polychlorinated Biphenyls								
PCB-1016	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1221	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1232	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1242	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1248	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1254	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1260	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1262	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
PCB-1268	ND	660	ug/Kg	10	05/02/19	SC	SW8082A	
QA/QC Surrogates								
% DCBP	58		%	10	05/02/19	SC	30 - 150 %	
% DCBP (Confirmation)	50		%	10	05/02/19	SC	30 - 150 %	
% TCMX	51		%	10	05/02/19	SC	30 - 150 %	
% TCMX (Confirmation)	54		%	10	05/02/19	SC	30 - 150 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
1,2,4-Trichlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
1,2-Dichlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
1,2-Diphenylhydrazine	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
1,3-Dichlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
1,4-Dichlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,4,5-Trichlorophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,4,6-Trichlorophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,4-Dichlorophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,4-Dimethylphenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,4-Dinitrophenol	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
2,4-Dinitrotoluene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2,6-Dinitrotoluene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2-Chloronaphthalene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2-Chlorophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2-Methylnaphthalene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2-Methylphenol (o-cresol)	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
2-Nitroaniline	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
2-Nitrophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
3,3'-Dichlorobenzidine	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	
3-Nitroaniline	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
4,6-Dinitro-2-methylphenol	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
4-Bromophenyl phenyl ether	ND	660	ug/Kg	1	05/03/19	WB	SW8270D	
4-Chloro-3-methylphenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D	

Project ID: 416 WAVERLY AVE., MAMARONECK, NY
Client ID: GB 1-4 (COMPOSITE 8P)

Phoenix I.D.: CD05021

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chloroaniline	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
4-Nitroaniline	ND	1100	ug/Kg	1	05/03/19	WB	SW8270D
4-Nitrophenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Acenaphthene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Acenaphthylene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Acetophenone	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Aniline	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Anthracene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benz(a)anthracene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzidine	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzo(a)pyrene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzo(b)fluoranthene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzo(ghi)perylene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzo(k)fluoranthene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Benzoic acid	ND	1300	ug/Kg	1	05/03/19	WB	SW8270D
Benzyl butyl phthalate	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Bis(2-chloroethyl)ether	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Carbazole	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Chrysene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Dibenzofuran	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Diethyl phthalate	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Dimethylphthalate	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Di-n-butylphthalate	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Di-n-octylphthalate	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Fluoranthene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Fluorene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Hexachlorobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Hexachlorobutadiene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Hexachlorocyclopentadiene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Hexachloroethane	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Isophorone	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Naphthalene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Nitrobenzene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
N-Nitrosodimethylamine	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
N-Nitrosodiphenylamine	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Pentachloronitrobenzene	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Pentachlorophenol	ND	660	ug/Kg	1	05/03/19	WB	SW8270D
Phenanthrene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Phenol	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Pyrene	ND	460	ug/Kg	1	05/03/19	WB	SW8270D
Pyridine	ND	660	ug/Kg	1	05/03/19	WB	SW8270D

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2,4,6-Tribromophenol	95		%	1	05/03/19	WB	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	05/03/19	WB	30 - 130 %
% 2-Fluorophenol	50		%	1	05/03/19	WB	30 - 130 %
% Nitrobenzene-d5	55		%	1	05/03/19	WB	30 - 130 %
% Phenol-d5	50		%	1	05/03/19	WB	30 - 130 %
% Terphenyl-d14	62		%	1	05/03/19	WB	30 - 130 %

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BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Corrosivity is based solely on the pH analysis performed above.

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

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

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

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

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

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Phyllis Shiller, Laboratory Director
May 13, 2019
Reviewed and Released by: Sarah Bell, Project Manager

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

QA/QC Report

May 13, 2019

QA/QC Data

SDG I.D.: GCD05016

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 477466 (mg/kg), QC Sample No: CD05000 (CD05021)														
Mercury - Soil	BRL	0.02	0.05	0.08	NC	107	112	4.6	95.7	116	19.2	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 477188 (mg/kg), QC Sample No: CD05119 (CD05021)														
ICP Metals - Soil														
Aluminum	BRL	5.0	8040	7500	6.90	119			NC			75 - 125	30	
Antimony	BRL	3.3	<3.9	<3.9	NC	128			101			75 - 125	30	l
Arsenic	BRL	0.67	3.04	2.88	NC	114			96.4			75 - 125	30	
Barium	BRL	0.33	17.5	14.2	20.8	115			106			75 - 125	30	
Beryllium	BRL	0.27	<0.31	<0.31	NC	112			105			75 - 125	30	
Cadmium	BRL	0.33	<0.39	<0.39	NC	111			103			75 - 125	30	
Calcium	BRL	5.0	1230	1270	3.20	119			NC			75 - 125	30	
Chromium	BRL	0.33	16.1	14.2	12.5	118			108			75 - 125	30	
Cobalt	BRL	0.33	6.71	5.98	11.5	116			107			75 - 125	30	
Copper	BRL	0.67	20.4	18.0	12.5	117			109			75 - 125	30	
Iron	BRL	5.0	12400	12100	2.40	97.1			NC			75 - 125	30	
Lead	BRL	0.33	75.4	46.9	46.6	120			104			75 - 125	30	r
Magnesium	BRL	5.0	3250	2980	8.70	124			NC			75 - 125	30	
Manganese	BRL	0.33	135	131	3.00	116			129			75 - 125	30	m
Nickel	BRL	0.33	14.5	13.0	10.9	121			109			75 - 125	30	
Potassium	BRL	5.0	626	473	27.8	105			115			75 - 125	30	
Selenium	BRL	1.3	<1.5	<1.5	NC	96.5			83.1			75 - 125	30	
Silver	BRL	0.33	<0.39	<0.39	NC	108			98.2			75 - 125	30	
Sodium	BRL	5.0	217	196	10.2	109			>130			75 - 125	30	m
Thallium	BRL	3.0	<3.5	<3.5	NC	112			103			75 - 125	30	
Vanadium	BRL	0.33	21.6	20.0	7.70	106			112			75 - 125	30	
Zinc	BRL	0.67	52.0	39.0	28.6	111			102			75 - 125	30	

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

Environmental Laboratories, Inc.
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NY # 11301

QA/QC Report

May 13, 2019

QA/QC Data

SDG I.D.: GCD05016

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 477671 (mg/Kg), QC Sample No: CD04919 4.85X (CD05021)													
Reactivity Cyanide	BRL	0.05	<6	<5.6	NC	97.7						85 - 115	30
QA/QC Batch 477509 (Degree F), QC Sample No: CD04926 (CD05021)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 477229 (PH), QC Sample No: CD04934 (CD05021)													
pH at 25C - Soil			7.61	7.63	0.30	99.5						85 - 115	20

PHOENIX

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

QA/QC Report

May 13, 2019

QA/QC Data

SDG I.D.: GCD05016

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 477317 (mg/Kg), QC Sample No: CD04939 (CD05020)											
TPH by GC (Extractable Products) - Soil											
Ext. Petroleum H.C. (C9-C36)	ND	50	104	100	3.9	109	120	9.6	60 - 120	30	
% n-Pentacosane	78	%	78	94	18.6	95	111	15.5	50 - 150	30	
Comment:											
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.											
QA/QC Batch 477107 (ug/Kg), QC Sample No: CD04613 2X (CD05021)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	69	83	18.4	60	58	3.4	40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	96	103	7.0	69	65	6.0	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	93	%	99	116	15.8	74	68	8.5	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	97	%	105	106	0.9	65	60	8.0	30 - 150	30	
% TCMX (Surrogate Rec)	94	%	94	101	7.2	66	62	6.3	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	92	%	100	104	3.9	69	64	7.5	30 - 150	30	
QA/QC Batch 477313 (ug/kg), QC Sample No: CD06078 (CD05021)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	60	56	6.9	62	59	5.0	30 - 130	30	
1,2,4-Trichlorobenzene	ND	230	57	55	3.6	57	56	1.8	30 - 130	30	
1,2-Dichlorobenzene	ND	180	51	50	2.0	54	52	3.8	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	77	68	12.4	77	72	6.7	30 - 130	30	
1,3-Dichlorobenzene	ND	230	50	50	0.0	52	49	5.9	30 - 130	30	
1,4-Dichlorobenzene	ND	230	52	51	1.9	54	50	7.7	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	71	60	16.8	73	73	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	73	62	16.3	73	68	7.1	30 - 130	30	
2,4-Dichlorophenol	ND	130	69	60	14.0	70	67	4.4	30 - 130	30	
2,4-Dimethylphenol	ND	230	65	58	11.4	67	67	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	<10	<10	NC	50	60	18.2	30 - 130	30	I
2,4-Dinitrotoluene	ND	130	82	74	10.3	85	82	3.6	30 - 130	30	
2,6-Dinitrotoluene	ND	130	81	73	10.4	81	78	3.8	30 - 130	30	
2-Chloronaphthalene	ND	230	65	60	8.0	62	58	6.7	30 - 130	30	
2-Chlorophenol	ND	230	63	56	11.8	64	62	3.2	30 - 130	30	
2-Methylnaphthalene	ND	230	59	56	5.2	61	58	5.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	64	60	6.5	67	67	0.0	30 - 130	30	
2-Nitroaniline	ND	330	130	112	14.9	144	152	5.4	30 - 130	30	m

QA/QC Data

SDG I.D.: GCD05016

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Nitrophenol	ND	230	91	85	6.8	89	89	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	68	60	12.5	71	71	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	91	74	20.6	76	82	7.6	30 - 130	30	
3-Nitroaniline	ND	330	85	76	11.2	90	94	4.3	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	21	14	40.0	64	71	10.4	30 - 130	30	l,r
4-Bromophenyl phenyl ether	ND	230	74	64	14.5	70	67	4.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	77	69	11.0	84	83	1.2	30 - 130	30	
4-Chloroaniline	ND	230	76	65	15.6	78	76	2.6	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	72	63	13.3	71	65	8.8	30 - 130	30	
4-Nitroaniline	ND	230	89	79	11.9	90	90	0.0	30 - 130	30	
4-Nitrophenol	ND	230	85	73	15.2	96	102	6.1	30 - 130	30	
Acenaphthene	ND	230	70	62	12.1	67	62	7.8	30 - 130	30	
Acenaphthylene	ND	130	68	61	10.9	65	61	6.3	30 - 130	30	
Acetophenone	ND	230	61	56	8.5	66	63	4.7	30 - 130	30	
Aniline	ND	330	48	43	11.0	39	35	10.8	30 - 130	30	
Anthracene	ND	230	72	60	18.2	68	66	3.0	30 - 130	30	
Benz(a)anthracene	ND	230	76	63	18.7	71	68	4.3	30 - 130	30	
Benzidine	ND	330	22	18	20.0	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	130	74	63	16.1	69	66	4.4	30 - 130	30	
Benzo(b)fluoranthene	ND	160	70	61	13.7	68	63	7.6	30 - 130	30	
Benzo(ghi)perylene	ND	230	71	60	16.8	64	62	3.2	30 - 130	30	
Benzo(k)fluoranthene	ND	230	83	71	15.6	76	72	5.4	30 - 130	30	
Benzoic Acid	ND	330	<10	<10	NC	11	11	0.0	30 - 130	30	l,m
Benzyl butyl phthalate	ND	230	86	72	17.7	81	75	7.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	57	54	5.4	58	58	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	46	44	4.4	47	49	4.2	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	43	41	4.8	46	44	4.4	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	93	77	18.8	88	83	5.8	30 - 130	30	
Carbazole	ND	230	73	63	14.7	71	69	2.9	30 - 130	30	
Chrysene	ND	230	73	62	16.3	70	66	5.9	30 - 130	30	
Dibenz(a,h)anthracene	ND	130	78	66	16.7	70	70	0.0	30 - 130	30	
Dibenzofuran	ND	230	71	63	11.9	68	64	6.1	30 - 130	30	
Diethyl phthalate	ND	230	80	72	10.5	81	77	5.1	30 - 130	30	
Dimethylphthalate	ND	230	75	66	12.8	72	74	2.7	30 - 130	30	
Di-n-butylphthalate	ND	670	83	69	18.4	79	76	3.9	30 - 130	30	
Di-n-octylphthalate	ND	230	86	71	19.1	82	79	3.7	30 - 130	30	
Fluoranthene	ND	230	73	62	16.3	72	69	4.3	30 - 130	30	
Fluorene	ND	230	73	66	10.1	71	66	7.3	30 - 130	30	
Hexachlorobenzene	ND	130	78	67	15.2	72	70	2.8	30 - 130	30	
Hexachlorobutadiene	ND	230	62	60	3.3	63	62	1.6	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	46	44	4.4	32	25	24.6	30 - 130	30	m
Hexachloroethane	ND	130	56	57	1.8	56	54	3.6	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	71	61	15.2	67	64	4.6	30 - 130	30	
Isophorone	ND	130	60	55	8.7	61	60	1.7	30 - 130	30	
Naphthalene	ND	230	55	53	3.7	57	56	1.8	30 - 130	30	
Nitrobenzene	ND	130	63	59	6.6	69	65	6.0	30 - 130	30	
N-Nitrosodimethylamine	ND	230	44	45	2.2	48	51	6.1	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	63	58	8.3	71	66	7.3	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	72	63	13.3	69	65	6.0	30 - 130	30	
Pentachloronitrobenzene	ND	230	85	72	16.6	84	78	7.4	30 - 130	30	
Pentachlorophenol	ND	230	47	39	18.6	78	76	2.6	30 - 130	30	
Phenanthrene	ND	130	70	58	18.8	66	62	6.3	30 - 130	30	
Phenol	ND	230	64	58	9.8	66	68	3.0	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyrene	ND	230	75	63	17.4	74	70	5.6	30 - 130	30
Pyridine	ND	230	33	32	3.1	35	33	5.9	30 - 130	30
% 2,4,6-Tribromophenol	82	%	98	84	15.4	90	85	5.7	30 - 130	30
% 2-Fluorobiphenyl	62	%	65	60	8.0	58	55	5.3	30 - 130	30
% 2-Fluorophenol	51	%	57	55	3.6	56	58	3.5	30 - 130	30
% Nitrobenzene-d5	61	%	63	62	1.6	68	64	6.1	30 - 130	30
% Phenol-d5	56	%	63	58	8.3	63	65	3.1	30 - 130	30
% Terphenyl-d14	67	%	71	61	15.2	67	63	6.2	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 477703 (ug/kg), QC Sample No: CD05076 (CD05016, CD05017, CD05018, CD05019)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	105	103	1.9	107	114	6.3	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	103	103	0.0	106	111	4.6	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	101	101	0.0	115	119	3.4	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	98	97	1.0	103	107	3.8	70 - 130	30
1,1-Dichloroethane	ND	5.0	102	99	3.0	106	111	4.6	70 - 130	30
1,1-Dichloroethene	ND	5.0	107	104	2.8	73	82	11.6	70 - 130	30
1,1-Dichloropropene	ND	5.0	106	105	0.9	111	116	4.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	98	101	3.0	117	119	1.7	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	97	95	2.1	107	111	3.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	101	99	2.0	118	125	5.8	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	102	101	1.0	111	117	5.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	101	101	0.0	114	117	2.6	70 - 130	30
1,2-Dibromoethane	ND	5.0	100	97	3.0	107	110	2.8	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	97	95	2.1	108	112	3.6	70 - 130	30
1,2-Dichloroethane	ND	5.0	100	98	2.0	105	107	1.9	70 - 130	30
1,2-Dichloropropane	ND	5.0	98	96	2.1	105	107	1.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	102	101	1.0	110	116	5.3	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	100	98	2.0	108	115	6.3	70 - 130	30
1,3-Dichloropropane	ND	5.0	98	97	1.0	106	109	2.8	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	97	96	1.0	109	113	3.6	70 - 130	30
2,2-Dichloropropane	ND	5.0	109	106	2.8	110	116	5.3	70 - 130	30
2-Chlorotoluene	ND	5.0	98	98	0.0	108	114	5.4	70 - 130	30
2-Hexanone	ND	25	97	94	3.1	108	113	4.5	70 - 130	30
2-Isopropyltoluene	ND	5.0	103	102	1.0	110	118	7.0	70 - 130	30
4-Chlorotoluene	ND	5.0	99	98	1.0	108	113	4.5	70 - 130	30
4-Methyl-2-pentanone	ND	25	100	98	2.0	110	113	2.7	70 - 130	30
Acetone	ND	10	98	94	4.2	82	89	8.2	70 - 130	30
Acrylonitrile	ND	5.0	101	97	4.0	111	116	4.4	70 - 130	30
Benzene	ND	1.0	100	98	2.0	106	111	4.6	70 - 130	30
Bromobenzene	ND	5.0	98	96	2.1	106	111	4.6	70 - 130	30
Bromochloromethane	ND	5.0	97	97	0.0	105	109	3.7	70 - 130	30
Bromodichloromethane	ND	5.0	104	100	3.9	104	106	1.9	70 - 130	30
Bromoform	ND	5.0	111	110	0.9	104	109	4.7	70 - 130	30
Bromomethane	ND	5.0	91	87	4.5	90	88	2.2	70 - 130	30
Carbon Disulfide	ND	5.0	108	104	3.8	73	78	6.6	70 - 130	30
Carbon tetrachloride	ND	5.0	103	103	0.0	99	107	7.8	70 - 130	30
Chlorobenzene	ND	5.0	99	96	3.1	107	111	3.7	70 - 130	30
Chloroethane	ND	5.0	99	97	2.0	95	93	2.1	70 - 130	30
Chloroform	ND	5.0	100	97	3.0	106	109	2.8	70 - 130	30

QA/QC Data

SDG I.D.: GCD05016

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	5.0	91	87	4.5	93	98	5.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	104	98	5.9	104	110	5.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	103	100	3.0	106	109	2.8	70 - 130	30	
Dibromochloromethane	ND	3.0	111	109	1.8	112	114	1.8	70 - 130	30	
Dibromomethane	ND	5.0	96	95	1.0	103	102	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	103	97	6.0	98	106	7.8	70 - 130	30	
Ethylbenzene	ND	1.0	102	99	3.0	108	113	4.5	70 - 130	30	
Hexachlorobutadiene	ND	5.0	104	103	1.0	116	122	5.0	70 - 130	30	
Isopropylbenzene	ND	1.0	102	101	1.0	109	116	6.2	70 - 130	30	
m&p-Xylene	ND	2.0	101	99	2.0	108	114	5.4	70 - 130	30	
Methyl ethyl ketone	ND	5.0	102	100	2.0	113	120	6.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	95	94	1.1	102	104	1.9	70 - 130	30	
Methylene chloride	ND	5.0	75	72	4.1	76	75	1.3	70 - 130	30	
Naphthalene	ND	5.0	102	103	1.0	122	125	2.4	70 - 130	30	
n-Butylbenzene	ND	1.0	109	108	0.9	119	127	6.5	70 - 130	30	
n-Propylbenzene	ND	1.0	104	101	2.9	110	119	7.9	70 - 130	30	
o-Xylene	ND	2.0	101	99	2.0	108	113	4.5	70 - 130	30	
p-Isopropyltoluene	ND	1.0	105	104	1.0	114	122	6.8	70 - 130	30	
sec-Butylbenzene	ND	1.0	108	107	0.9	115	122	5.9	70 - 130	30	
Styrene	ND	5.0	102	100	2.0	111	114	2.7	70 - 130	30	
tert-Butylbenzene	ND	1.0	102	101	1.0	109	117	7.1	70 - 130	30	
Tetrachloroethene	ND	5.0	100	98	2.0	106	110	3.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	96	92	4.3	107	112	4.6	70 - 130	30	
Toluene	ND	1.0	100	99	1.0	106	110	3.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	106	99	6.8	109	114	4.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	99	97	2.0	102	104	1.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	109	107	1.9	115	120	4.3	70 - 130	30	
Trichloroethene	ND	5.0	102	101	1.0	109	112	2.7	70 - 130	30	
Trichlorofluoromethane	ND	5.0	93	87	6.7	86	85	1.2	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	105	101	3.9	79	83	4.9	70 - 130	30	
Vinyl chloride	ND	5.0	101	95	6.1	107	116	8.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	100	100	0.0	101	100	1.0	70 - 130	30	
% Bromofluorobenzene	97	%	101	101	0.0	101	100	1.0	70 - 130	30	
% Dibromofluoromethane	99	%	100	101	1.0	98	98	0.0	70 - 130	30	
% Toluene-d8	99	%	100	100	0.0	100	99	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 477693 (ug/kg), QC Sample No: CD05079 (CD05017 (50X))

Volatiles - Soil

1,1,2,2-Tetrachloroethane	ND	3.0	121	117	3.4	117	113	3.5	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	120	118	1.7	137	134	2.2	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	124	107	14.7	121	118	2.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	108	108	0.0	129	129	0.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	118	116	1.7	127	123	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	125	123	1.6	134	125	6.9	70 - 130	30	m
1,2-Dichlorobenzene	ND	5.0	113	110	2.7	118	118	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	118	118	0.0	125	123	1.6	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	112	109	2.7	118	119	0.8	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	109	105	3.7	114	115	0.9	70 - 130	30	
2-Chlorotoluene	ND	5.0	117	117	0.0	126	124	1.6	70 - 130	30	
2-Isopropyltoluene	ND	5.0	117	116	0.9	126	124	1.6	70 - 130	30	
4-Chlorotoluene	ND	5.0	113	111	1.8	118	118	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCD05016

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromobenzene	ND	5.0	118	115	2.6	123	119	3.3	70 - 130	30	
Hexachlorobutadiene	ND	5.0	114	116	1.7	129	133	3.1	70 - 130	30	m
Isopropylbenzene	ND	1.0	121	120	0.8	130	125	3.9	70 - 130	30	
Naphthalene	ND	5.0	141	136	3.6	176	161	8.9	70 - 130	30	l,m
n-Butylbenzene	ND	1.0	119	120	0.8	128	129	0.8	70 - 130	30	
n-Propylbenzene	ND	1.0	120	116	3.4	125	122	2.4	70 - 130	30	
p-Isopropyltoluene	ND	1.0	122	120	1.7	130	128	1.6	70 - 130	30	
sec-Butylbenzene	ND	1.0	125	124	0.8	132	130	1.5	70 - 130	30	m
tert-Butylbenzene	ND	1.0	124	123	0.8	132	128	3.1	70 - 130	30	m
trans-1,4-dichloro-2-butene	ND	5.0	116	116	0.0	104	101	2.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	101	103	2.0	101	102	1.0	70 - 130	30	
% Bromofluorobenzene	95	%	100	99	1.0	102	99	3.0	70 - 130	30	
% Dibromofluoromethane	105	%	99	98	1.0	99	98	1.0	70 - 130	30	
% Toluene-d8	97	%	102	102	0.0	103	103	0.0	70 - 130	30	

Comment:

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

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

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
May 13, 2019

Monday, May 13, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCD05016 - HES-NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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.
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 Comments

May 13, 2019 SDG I.D.: GCD05016

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

SVOA Narration

CHEM19 05/03/19-1: CD05021

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.055 (0.1), Hexachlorobenzene 0.090 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 2-Nitrophenol 33%H (30%), Benzoic acid 44%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzoic acid 44%L (40%)
The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.073 (0.1), Hexachlorobenzene 0.096 (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 05/03/19-2: CD05017

The following Initial Calibration compounds did not meet RSD% criteria: Naphthalene 33% (15%)
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%.

CHEM31 05/05/19-1: CD05016, CD05017, CD05018, CD05019

The following Initial Calibration compounds did not meet RSD% criteria: Bromoform 17% (15%), Chloroethane 21% (15%), Methylene chloride 39% (15%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Bromoform 0.078 (0.1), Tetrachloroethene 0.141 (0.2)
The following Initial 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%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 13, 2019

SDG I.D.: GCD05016

The samples in this delivery group were received at 5.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

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

WIC + I.P.

Temp 5.1 °C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: infoehsny.com

Customer:
Address: HYDROENVIRONMENTAL SOLUTIONS
ONE DEANS BRIDGE ROAD
SOMERS, NEW YORK 10589

Project: 416 Waverly Avenue, Mamaroneck, New York Project P.O:
Report to: SAME
Invoice to: SAME
Phone #: 914-206-2560
Fax #:

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 4/30/19

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	EPA 8260D	TPH	EPA 8015C	EPA 8270E; EPA 8082A;	EPA 6010D;	EPA 6010D/7470A;	RCRA Characteristics (Ignitability, Corrosivity, Reactivity)				Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (4) oz	GL Soil container (8) 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
05016	GB-1 (4.5-5)	S	4/30/19		X										3									
05017	GB-2 (1-1.5)				X										3									
05018	GB-3 (3.5-4)				X										3									
05019	GB-4 (3-3.5)				X										3									
	[redacted]																							
05020	GB1-4 (composite 5P)					X										1								
05021	GB1-4 (composite 8P)						X	X	X	X							2							

Relinquished by:	Accepted by:	Date:	Time:
		5.1.19	11:8
		5.1.19	14:55
		5-1-19	16:44

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ 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 Soil
☐ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY