July 20, 2018

Stewart Hackett
Dyckman Crestview Realty, LLC
279 West 231st Street
Bronx, NY 10463

Re: Limited Phase II Subsurface Investigation Report
148 Nagle Avenue, Manhattan, NY
Block 2174, Lot 70

Dear Mr. Hackett

Environmental Business Consultants (EBC) performed a Limited Phase II Subsurface Investigation at the above-referenced Site on April 18, 2018. The investigation was performed as recommended during discussions with DEC Spills and the Division of Hazardous Waste. It was suggested that, given the site conditions and the potential for further contamination of the site, the most appropriate way to confirm that contamination had impacted the Site was to collect groundwater and soil samples at the property line immediately downgradient of the Site.

Property Description

The Site consists of one lot located in Manhattan, New York. The street address associated with the Site is 148 Nagle Avenue, New York, New York 11040 (**Figure 1**). The Site is identified as Block 2174, Lot 70 in Manhattan County Land Records. The single lot comprising the Site consists of 100 feet of street frontage along Thayer Street and 100 feet of street frontage along Nagle Avenue (**Figure 2**). The entire Site is approximately 1,000 square feet (sf) in area.

The Site is currently improved with a one-story 2,000 sf commercial building occupied by a laundromat. Previously, a one-story 5,000 sf retail building which housed a dry cleaner was also present on the property. The 5,000 sf building was destroyed in a fire. An eight foot high construction fence surrounds the vacant portion of the property where it does not border adjacent buildings preventing access by the public.

Subsurface Investigation

Field work for the Subsurface Investigation was performed on April 18, 2018 and consisted of the installation of three soil borings (SB1 through SB3) and the collection of three groundwater samples (GW1 through GW3) at the property boundary, immediately downgradient from the Site. The sampling locations are shown on **Figure 2**.

Soil Borings
Soil borings SB1 through SB3 were advanced from sidewalk grade to five feet below with a hand drill and hand auger. After reaching a depth of five feet below grade, the borings were advanced with Geoprobe™ direct push equipment and sampled with a 5-foot macro core sampler using disposable acetate liners. Retrieved sample cores were characterized by an Environmental Professional (EP) and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID).

Boring locations SB1 through SB3 were each installed to a depth of 20 feet, just outside of the southern property boundary of the Site. Soil samples were collected from above the water table at the 10-12' interval at SB1 and SB2 and at the 9-10' interval at SB3 for laboratory analysis of volatile organic compounds (VOCs). An additional sample was retained from boring location SB3 at the 12-14' interval due to a slightly elevated PID reading and submitted for laboratory analysis for VOCs. No additional PID, visual or olfactory evidence of petroleum contamination was encountered in these borings.

Historic fill material was identified in the zero to five-foot interval at boring locations SB2 and SB3. Soil characterized as brown clay loam and tan sand with small rocks was encountered across the Site to a depth of 20 feet below grade. Soil boring logs are included in **Appendix A**.

Groundwater
Three groundwater samples (GW1 through GW3) were collected from the corresponding borehole locations on April 18, 2018. The depth to water was approximately 13 ft below surface grade. The samples were collected using a 4-foot long Geoprobe stainless steel sampler. One groundwater sample was collected from each location utilizing dedicated polyethylene tubing fitted with a stainless-steel check valve.

Sample Handling and Analysis
Collected samples were appropriately packaged, placed in coolers and shipped via laboratory dispatched courier for delivery to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). Each soil sample was analyzed for volatile organic compounds (VOCs) by USEPA method 8260. The three groundwater samples (GW1 through GW3) were analyzed for VOCs by EPA Method 8260.

Results

Soil
Soil sample results are summarized and compared to NYSDEC Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use on **Table 1**. A copy of the laboratory analytical report is included in **Appendix B**.

The VOC acetone was detected above Unrestricted Use SCOs in SB1 (10-12'), SB2 (10-12') and SB3 (9-10') at a maximum of 150 µg/Kg).

Groundwater
Groundwater results are summarized and compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water) on **Table 2**. Additionally, a copy of the laboratory analytical report is provided in A**ppendix B**.

There were two VOCs detected above NYSDEC water quality standards. Tetrachloroethene (PCE), found in all three monitoring wells, was detected at a maximum of 740 µg/L, and trichloroethene (TCE), found in GW2 and GW3, was detected at a maximum of 20 µg/L.

Conclusions

Soil in borings located just south of the property line consist of a layer of historic fill material to a depth of five feet below grade, which rests on top of native loam and sand and rock that was found to depths of 20 feet below grade.

The topography of the area combined with the proximity and location of the East River, groundwater flow is expected to be southeast. This places the monitoring wells directly downgradient of the Site. Based on the PCE concentrations reported in groundwater at the property line, the presence of PCE in soil / fill within the cellar and the likelihood that the Fire Department broke through the cellar slab to allow drainage, the site is contaminated with chlorinated solvents from the former drycleaner.

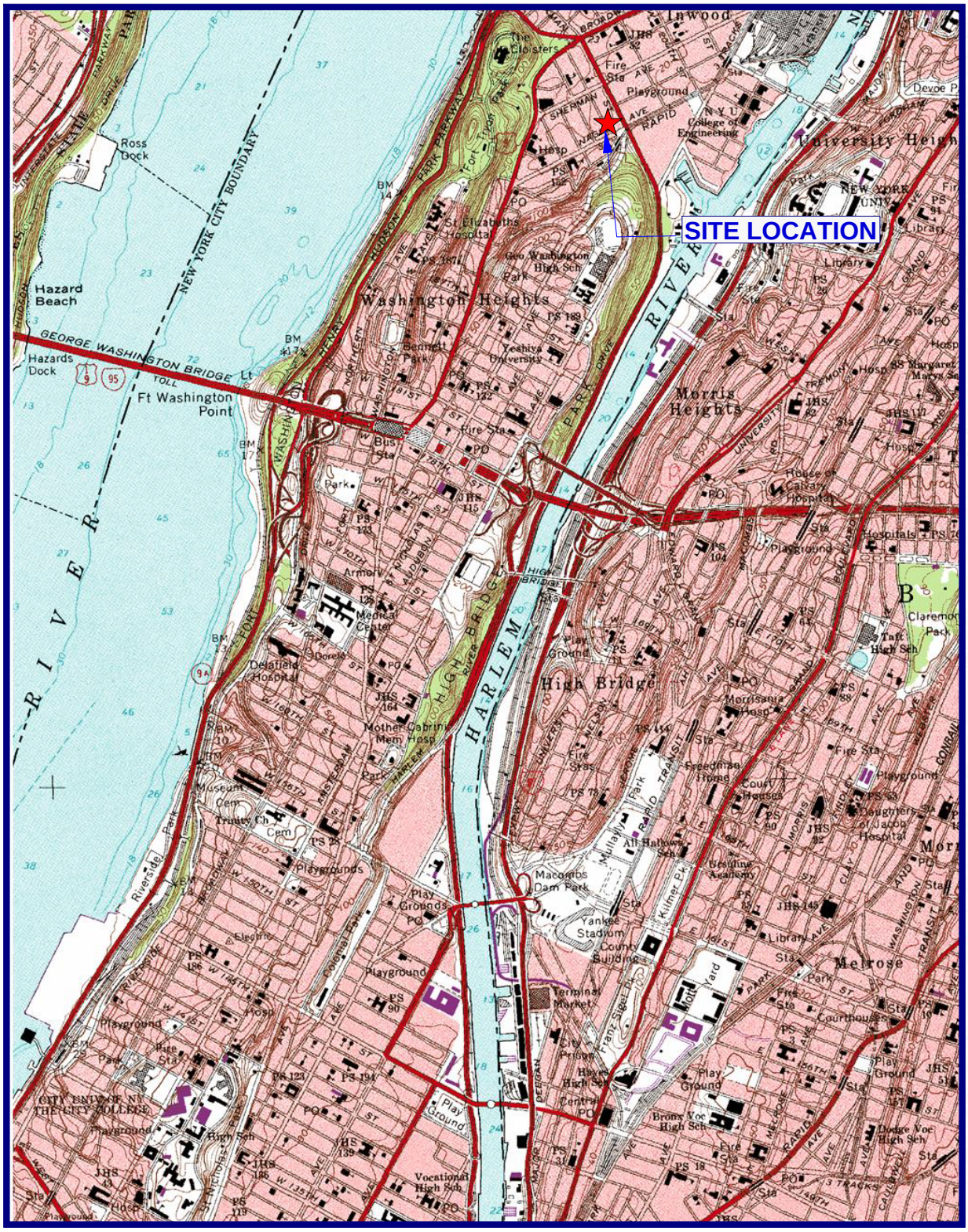
Very truly yours,
Environmental Business Consultants

Tony Balado
Environmental Professional

Charles B. Sosik, P.G.
Principal

FIGURES

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

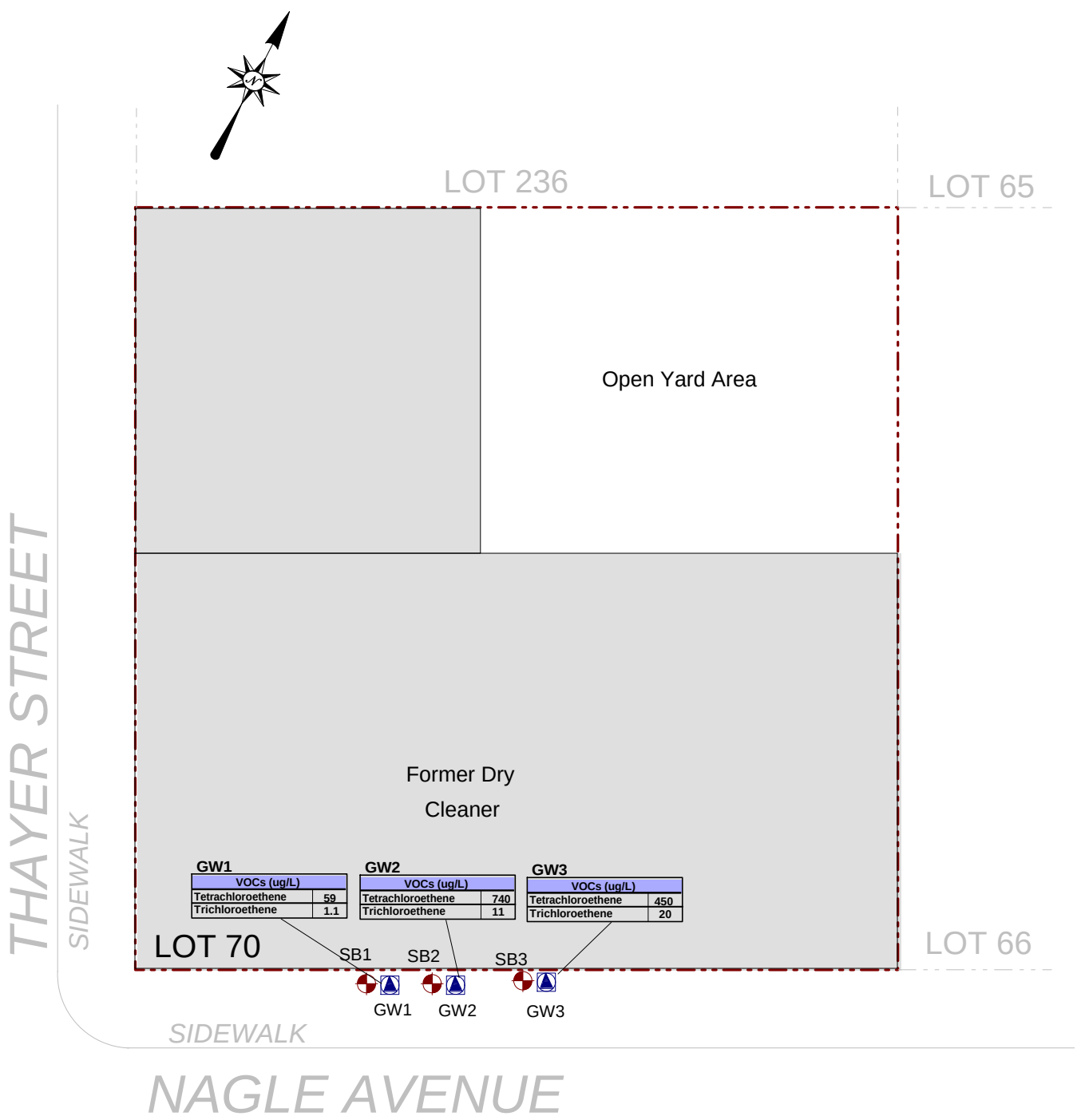


USGS Central Park Quadrangle 1995, Contour Interval = 10 feet

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

148 Nagle Avenue
New York, NY

FIGURE 1 SITE LOCATION MAP



KEY:

- Property Boundary
- Soil Boring Location
- Groundwater Sampling Location

SCALE:

0 10 20

Scale: 1 inch = 20 feet

EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 2

Site Name: Commercial Property
Site Address: 148 Nagle Avenue, Manhattan, NY
Drawing Title: Sampling Locations

TABLES

TABLE 1
148 Nagle Avenue,
Manhattan, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1 (10-12') 4/18/2018 µg/Kg		SB2 (10-12') 4/18/2018 µg/Kg		SB3 (9-10') 4/18/2018 µg/Kg		SB3 (12-14') 4/18/2018 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 27	27	< 21	21	< 23	23	< 5.1	5.1
1,1,1-Trichloroethane	680	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,1,2,2-Tetrachloroethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,1,2-Trichloroethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,1-Dichloroethane	270	26,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,1-Dichloroethene	330	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,1-Dichloropropene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2,3-Trichlorobenzene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2,3-Trichloropropane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2,4-Trichlorobenzene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2,4-Trimethylbenzene	3,600	52,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2-Dibromo-3-chloropropane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2-Dibromomethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2-Dichlorobenzene	1,100	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2-Dichloroethane	20	3,100	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,2-Dichloropropane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,3,5-Trimethylbenzene	8,400	52,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,3-Dichlorobenzene	2,400	4,900	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,3-Dichloropropane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,4-Dichlorobenzene	1,800	13,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
1,4-dioxane			< 100	100	< 81	81	< 86	86	< 76	76
2,2-Dichloropropane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
2-Chlorotoluene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
2-Hexanone (Methyl Butyl Ketone)			< 33	33	< 27	27	< 29	29	< 25	25
2-Isopropyltoluene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
4-Chlorotoluene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
4-Methyl-2-Pentanone			< 33	33	< 27	27	< 29	29	< 25	25
Acetone	50	100,000	**160**	33	**58**	27	**52**	29	**25**	25
Acrolein			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Acrylonitrile			< 27	27	< 21	21	< 23	23	< 10	10
Benzene	60	4,800	< 6.6	6.6	< 5.4	5.4	**1.5**	5.7	< 5.1	5.1
Bromobenzene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Bromochloromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Bromodichloromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Bromoform			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Bromomethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Carbon Disulfide			< 6.6	6.6	**2.4**	5.4	**3.8**	5.7	< 5.1	5.1
Carbon tetrachloride	760	2,400	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Chlorobenzene	1,100	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Chloroethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Chloroform	370	49,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Chloromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
cis-1,2-Dichloroethene	250	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
cis-1,3-Dichloropropene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Dibromochloromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Dibromomethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Dichlorodifluoromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Ethylbenzene	1,000	41,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Hexachlorobutadiene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Isopropylbenzene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
m&p-Xylenes	260	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Methyl Ethyl Ketone (2-Butanone)	120	100,000	**56**	40	**6.7**	32	**14**	34	< 30	30
Methyl t-butyl ether (MTBE)	930	100,000	< 13	13	< 11	11	< 11	11	< 10	10
Methylene chloride	50	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Naphthalene	12,000	100,000	**1.4**	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
n-Butylbenzene	12,000	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
n-Propylbenzene	3,900	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
o-Xylene	260	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
p-Isopropyltoluene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
sec-Butylbenzene	11,000	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Styrene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Tert-butyl alcohol			< 130	130	< 110	110	< 110	110	< 100	100
tert-Butylbenzene	5,900	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Tetrachloroethene	1,300	19,000	< 6.6	6.6	**1.2**	5.4	**3.7**	5.7	< 5.1	5.1
Tetrahydrofuran (THF)			**9**	13	**15**	11	**9.1**	11	**8.7**	10
Toluene	700	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
trans-1,2-Dichloroethene	190	100,000	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
trans-1,3-Dichloropropene			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
trabs-1,4-dichloro-2-butene			< 13	13	< 11	11	< 11	11	< 10	10
Trichloroethene	470	21,000	< 6.6	6.6	< 5.4	5.4	**1.2**	5.7	< 5.1	5.1
Trichlorofluoromethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Trichlorotrifluoroethane			< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Vinyl Chloride	20	900	< 6.6	6.6	< 5.4	5.4	< 5.7	5.7	< 5.1	5.1
Total BTEX Concentration			0		0		1.5		0	
Total VOCs Concentration			226.4		83.3		85.3		33.7	

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Table 2
148 Nagle Avenue,
Manhattan, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	GW1 4/18/2018 µg/L		GW2 4/18/2018 µg/L		GW3 4/18/2018 µg/L	
	µg/L	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-dioxane		< 100	100	< 100	100	< 100	100
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	**5.4**	5.0	< 5.0	5.0	**2.9**	5.0
Acrolein		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	**0.42**	5.0	**0.7**	5.0	**0.46**	5.0
Chloromethane	60	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	**0.34**	1.0	**1.4**	1.0	**1.7**	1.0
cis-1,3-Dichloropropene		< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylenes	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		< 50	50	< 50	50	< 50	50
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	**59**	5.0	**740**	40	**450**	20
Tetrahydrofuran (THF)		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	**1.1**	1.0	**11**	1.0	**20**	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Total BTEX Concentration		**0**		**0**		**0**	
Total VOCs Concentration		**66.26**		**753.1**		**475.06**	

Notes:
RL- Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

APPENDIX A
Soil Boring Logs

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed 2 feet onto the sidewalk along Nagle Street, 33 feet from the Thayer Street Site boundary		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: REH1801	Address: 148 Nagle Avenue, Manhattan, NY	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: C^2 Environmental	Method: Hand boring (0-5'), Geoprobe	Not Detected	Well Specifications
Date Started: 4/18/2018	Date Completed: 4/18/2018		None
Completion Depth: 20 Feet	Geologist Meagan Lenna		

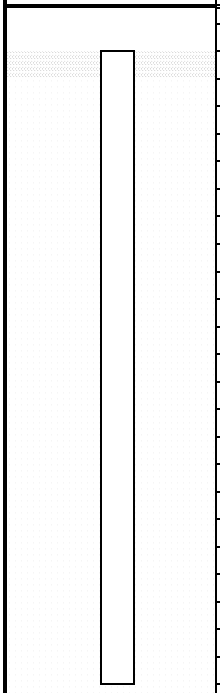
B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	SAMPLES PID (ppm)	SOIL DESCRIPTION
	0 to 5	0			
	5 to 10	15		0.0	8" - Brown/ dark brown clayey sand 3" - Dark brown sand 4" - Damp red brick
	10 to 15	38		0.0	18" - Wet dark grey sandy clay 20" - Light grey sand and sandy clay **Retained soil sample SB1(10-12)*
	15 to 20	36		0.0	22" - Wet light gray sandy clay with gray sand 14" - Wet red/gray sand

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed 2 feet onto the sidewalk along Nagle Street, 40 feet from the Thayer Street Site boundary			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: REH1801	Address: 148 Nagle Avenue, Manhattan, NY		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: C^2 Environmental	Method: Hand boring (0-5'), Geoprobe		Not Detected	Well Specifications
Date Started: 4/18/2018	Date Completed: 4/18/2018			None
Completion Depth: 20 Feet	Geologist Meagan Lenna			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	28		0.0	13" - Black sandy fill 1" - Brown clayey loam 7" - Tan/brown sand 2" - Light brown clayey loam 1" - Black crushed rock 4" - Crushed rock
	5 to 10	15		0.0	2" - Tan sand 1" - Black crushed rock 4" - Brown silty sand 2" - Dark brown crushed rock 3" - Brown silty sand 3" - Red brick
	10 to 15	36		0.0	14" - Wet gray sand 15" - Dark gray clayey sand 7" - Damp light gray sandy clay **Retained soil sample B2(10-12)*
	15 to 20	18		0.0	8" - Dark gray wet sand 10" - Light gray wet clay

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed 2 feet onto the sidewalk along Nagle Street, 52 feet from the Thayer Street Site boundary			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: REH1801	Address: 148 Nagle Avenue, Manhattan, NY		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: C^2 Environmental	Method: Hand boring (0-5'), Geoprobe		Not Detected	Well Specifications
Date Started: 4/18/2018	Date Completed: 4/18/2018			None
Completion Depth: 20 Feet	Geologist Meagan Lenna			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	44		0.0	3" - Concrete Slab 7" - Black crushed rock and fill 4" - Red brown clay 7" - Tan fine sand 13" - Dark brown sandy loam 3" - Yellow brown clay 7" - Brown sand
	to 10	18		0.0 0.25	3" - Brown sandy loam 7" - Tab brown sand with rock 2" - Light brown clay 1" - Black crushed rock 4" - Crushed rock 1" - Red brick 3" - Dark gray silt **Retained soil sample SB3(9-10)*
	to 15	35		0.0	11" - Damp dark grey silt 22" - Light grey damp silt w/ sandy silt 2" - Gray clay **Retained soil sample SB3(12-14)*
	to 20	47		0.0	23" - Light gray sandy clay 13" - Dark grey sandy loam 3" - Black damp sandy clay 8" - Dark grey sandy clay

APPENDIX B
Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Thursday, April 26, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 148 NAGLE AVE., NY, NY
Sample ID#s: CA22854 - CA22860

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

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

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

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

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #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

SDG Comments

April 26, 2018

SDG I.D.: GCA22854

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/18/18	12:51
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22854

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB1 (10-12 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	70			%		04/19/18	Q	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloropropene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromoethane	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloroethane	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloropropane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichloropropane	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
2,2-Dichloropropane	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Chlorotoluene	ND	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Hexanone	ND	33	6.6	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	1
4-Chlorotoluene	ND	6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB1 (10-12 FT)

Phoenix I.D.: CA22854

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		33	6.6	ug/Kg	1	04/20/18	JLI	SW8260C	
Acetone	160	S	33	6.6	ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND		13	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Benzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromobenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromochloromethane	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromodichloromethane	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromoform	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromomethane	ND		6.6	2.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon Disulfide	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon tetrachloride	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Chlorobenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroethane	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroform	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloromethane	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromochloromethane	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromomethane	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Ethylbenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Hexachlorobutadiene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Isopropylbenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
m&p-Xylene	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl Ethyl Ketone	56		40	6.6	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		13	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Methylene chloride	ND		6.6	6.6	ug/Kg	1	04/20/18	JLI	SW8260C	
Naphthalene	1.4	J	6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Butylbenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Propylbenzene	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
o-Xylene	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
p-Isopropyltoluene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
sec-Butylbenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Styrene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
tert-Butylbenzene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrachloroethene	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrahydrofuran (THF)	9.0	J	13	3.3	ug/Kg	1	04/20/18	JLI	SW8260C	1
Toluene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		13	3.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichloroethene	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorofluoromethane	ND		6.6	1.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
Vinyl chloride	ND		6.6	0.66	ug/Kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	90				%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	87				%	1	04/20/18	JLI	70 - 130 %	
% Dibromofluoromethane	105				%	1	04/20/18	JLI	70 - 130 %	

Ver 1

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB1 (10-12 FT)

Phoenix I.D.: CA22854

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	87			%	1	04/20/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100		ug/kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	90			%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	87			%	1	04/20/18	JLI	70 - 130 %	
% Toluene-d8	87			%	1	04/20/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	27		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrolein	ND	6.6		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND	27		ug/Kg	1	04/20/18	JLI	SW8260C	
Tert-butyl alcohol	ND	130		ug/Kg	1	04/20/18	JLI	SW8260C	
Field Extraction	Completed					04/18/18		SW5035A	1

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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.

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/18/18	12:15
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22855

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB2 (10-12 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	81			%		04/19/18	Q	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromoethane	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Hexanone	ND	27	5.4	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	1
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB2 (10-12 FT)

Phoenix I.D.: CA22855

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		27	5.4	ug/Kg	1	04/20/18	JLI	SW8260C	
Acetone	58	S	27	5.4	ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Benzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromobenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromochloromethane	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromodichloromethane	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromoform	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromomethane	ND		5.4	2.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon Disulfide	2.4	J	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Chlorobenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroethane	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroform	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloromethane	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromochloromethane	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromomethane	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Ethylbenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Isopropylbenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
m&p-Xylene	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl Ethyl Ketone	6.7	J	32	5.4	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Methylene chloride	ND		5.4	5.4	ug/Kg	1	04/20/18	JLI	SW8260C	
Naphthalene	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Butylbenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Propylbenzene	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
o-Xylene	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
p-Isopropyltoluene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
sec-Butylbenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Styrene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
tert-Butylbenzene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrachloroethene	1.2	J	5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrahydrofuran (THF)	15		11	2.7	ug/Kg	1	04/20/18	JLI	SW8260C	1
Toluene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichloroethene	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorofluoromethane	ND		5.4	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
Vinyl chloride	ND		5.4	0.54	ug/Kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	93				%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	100				%	1	04/20/18	JLI	70 - 130 %	
% Dibromofluoromethane	103				%	1	04/20/18	JLI	70 - 130 %	

Ver 1

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB2 (10-12 FT)

Phoenix I.D.: CA22855

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	90			%	1	04/20/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	81		ug/kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93			%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	1	04/20/18	JLI	70 - 130 %	
% Toluene-d8	90			%	1	04/20/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	21		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrolein	ND	5.4		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND	21		ug/Kg	1	04/20/18	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	04/20/18	JLI	SW8260C	
Field Extraction	Completed					04/18/18		SW5035A	1

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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.

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/18/18	11:15
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22856

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (9-10 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	77			%		04/19/18	Q	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloropropene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichloropropane	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
2,2-Dichloropropane	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Chlorotoluene	ND	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Hexanone	ND	29	5.7	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	1
4-Chlorotoluene	ND	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (9-10 FT)

Phoenix I.D.: CA22856

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		29	5.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Acetone	52	S	29	5.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Benzene	1.5	J	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromobenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromochloromethane	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromodichloromethane	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromoform	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromomethane	ND		5.7	2.3	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon Disulfide	3.8	J	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Chlorobenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroethane	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroform	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloromethane	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromochloromethane	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromomethane	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Ethylbenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Isopropylbenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
m&p-Xylene	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl Ethyl Ketone	14	J	34	5.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Methylene chloride	ND		5.7	5.7	ug/Kg	1	04/20/18	JLI	SW8260C	
Naphthalene	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Propylbenzene	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
o-Xylene	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
p-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
sec-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Styrene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
tert-Butylbenzene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrachloroethene	3.7	J	5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrahydrofuran (THF)	9.1	J	11	2.9	ug/Kg	1	04/20/18	JLI	SW8260C	1
Toluene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.9	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichloroethene	1.2	J	5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorofluoromethane	ND		5.7	1.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
Vinyl chloride	ND		5.7	0.57	ug/Kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	91				%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	93				%	1	04/20/18	JLI	70 - 130 %	
% Dibromofluoromethane	103				%	1	04/20/18	JLI	70 - 130 %	

Ver 1

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (9-10 FT)

Phoenix I.D.: CA22856

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	89			%	1	04/20/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	86		ug/kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	91			%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	93			%	1	04/20/18	JLI	70 - 130 %	
% Toluene-d8	89			%	1	04/20/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrolein	ND	5.7		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND	23		ug/Kg	1	04/20/18	JLI	SW8260C	
Tert-butyl alcohol	ND	110		ug/Kg	1	04/20/18	JLI	SW8260C	
Field Extraction	Completed					04/18/18		SW5035A	1

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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.

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/18/18	11:35
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22857

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (12-14 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	85			%		04/19/18	Q	SW846-%Solid	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,1-Dichloropropene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
1,3-Dichloropropane	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
2,2-Dichloropropane	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Chlorotoluene	ND	5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Hexanone	ND	25	5.1	ug/Kg	1	04/20/18	JLI	SW8260C	
2-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	1
4-Chlorotoluene	ND	5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (12-14 FT)

Phoenix I.D.: CA22857

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		25	5.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Acetone	25	JS	25	5.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Benzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromobenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromochloromethane	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromodichloromethane	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromoform	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Bromomethane	ND		5.1	2.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon Disulfide	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Carbon tetrachloride	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Chlorobenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroethane	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloroform	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Chloromethane	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromochloromethane	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Dibromomethane	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Ethylbenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Hexachlorobutadiene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Isopropylbenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
m&p-Xylene	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl Ethyl Ketone	ND		30	5.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Methylene chloride	ND		5.1	5.1	ug/Kg	1	04/20/18	JLI	SW8260C	
Naphthalene	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Butylbenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
n-Propylbenzene	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
o-Xylene	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
p-Isopropyltoluene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
sec-Butylbenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Styrene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
tert-Butylbenzene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrachloroethene	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Tetrahydrofuran (THF)	8.7	J	10	2.5	ug/Kg	1	04/20/18	JLI	SW8260C	1
Toluene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		10	2.5	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichloroethene	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorofluoromethane	ND		5.1	1.0	ug/Kg	1	04/20/18	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
Vinyl chloride	ND		5.1	0.51	ug/Kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	92				%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	04/20/18	JLI	70 - 130 %	
% Dibromofluoromethane	100				%	1	04/20/18	JLI	70 - 130 %	

Ver 1

Project ID: 148 NAGLE AVE., NY, NY
Client ID: SB3 (12-14 FT)

Phoenix I.D.: CA22857

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Toluene-d8	89			%	1	04/20/18	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	76		ug/kg	1	04/20/18	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	92			%	1	04/20/18	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	04/20/18	JLI	70 - 130 %	
% Toluene-d8	89			%	1	04/20/18	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	20		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrolein	ND	5.1		ug/Kg	1	04/20/18	JLI	SW8260C	
Acrylonitrile	ND	20		ug/Kg	1	04/20/18	JLI	SW8260C	
Tert-butyl alcohol	ND	100		ug/Kg	1	04/20/18	JLI	SW8260C	
Field Extraction	Completed					04/18/18		SW5035A	1

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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.

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/18/18	13:11
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22858

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/19/18	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	04/19/18	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	04/19/18	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/19/18	MH	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW1

Phoenix I.D.: CA22858

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	5.4	S	5.0	2.5	ug/L	1	04/19/18	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/19/18	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/19/18	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/19/18	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Chloroform	0.42	J	5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
cis-1,2-Dichloroethene	0.34	J	1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	04/19/18	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/19/18	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/19/18	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/19/18	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Tetrachloroethene	59		5.0	1.3	ug/L	5	04/19/18	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/19/18	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/19/18	MH	SW8260C	
Trichloroethene	1.1		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/19/18	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	04/19/18	MH	70 - 130 %	
% Bromofluorobenzene	96				%	1	04/19/18	MH	70 - 130 %	
% Dibromofluoromethane	91				%	1	04/19/18	MH	70 - 130 %	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW1

Phoenix I.D.: CA22858

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99			%	1	04/19/18	MH	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	04/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	04/19/18	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	04/19/18	MH	70 - 130 %
% Toluene-d8	99			%	1	04/19/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	04/19/18	MH	SW8260C
Acrolein	ND	5.0		ug/L	1	04/19/18	MH	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	04/19/18	MH	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	04/19/18	MH	SW8260C

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/18/18	12:27
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22859

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW2

Phoenix I.D.: CA22859

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloroform	0.70	J	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
cis-1,2-Dichloroethene	1.4		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	04/19/18	PS	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Tetrachloroethene	740		40	10	ug/L	40	04/20/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
Trichloroethene	11		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	04/19/18	PS	70 - 130 %	
% Bromofluorobenzene	99				%	1	04/19/18	PS	70 - 130 %	
% Dibromofluoromethane	96				%	1	04/19/18	PS	70 - 130 %	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW2

Phoenix I.D.: CA22859

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	04/19/18	PS	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	04/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	1	04/19/18	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	04/19/18	MH	70 - 130 %
% Toluene-d8	97			%	1	04/19/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	04/19/18	PS	SW8260C
Acrolein	ND	5.0		ug/L	1	04/19/18	PS	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	04/19/18	PS	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	04/19/18	PS	SW8260C

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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

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

Phyllis Shiller, Laboratory Director
April 26, 2018
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

April 26, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/18/18	11:41
Location Code:	EBC	Received by:	LB	04/19/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCA22854
Phoenix ID: CA22860

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	04/19/18	PS	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW3

Phoenix I.D.: CA22860

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	2.9	JS	5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloroform	0.46	J	5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
cis-1,2-Dichloroethene	1.7		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	04/19/18	PS	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	04/19/18	PS	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Tetrachloroethene	450		20	5.0	ug/L	20	04/20/18	PS	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	04/19/18	PS	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/19/18	PS	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	04/19/18	PS	SW8260C	
Trichloroethene	20		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	04/19/18	PS	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	04/19/18	PS	70 - 130 %	
% Bromofluorobenzene	98				%	1	04/19/18	PS	70 - 130 %	
% Dibromofluoromethane	95				%	1	04/19/18	PS	70 - 130 %	

Project ID: 148 NAGLE AVE., NY, NY
Client ID: GW3

Phoenix I.D.: CA22860

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97			%	1	04/19/18	PS	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100		ug/l	1	04/19/18	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	04/19/18	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	04/19/18	MH	70 - 130 %
% Toluene-d8	97			%	1	04/19/18	MH	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	04/19/18	PS	SW8260C
Acrolein	ND	5.0		ug/L	1	04/19/18	PS	SW8260C
Acrylonitrile	ND	5.0		ug/L	1	04/19/18	PS	SW8260C
Tert-butyl alcohol	ND	50		ug/L	1	04/19/18	PS	SW8260C

1 = This parameter is not certified by 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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
April 26, 2018
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

QA/QC Report

April 26, 2018

QA/QC Data

SDG I.D.: GCA22854

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 427437 (ug/L), QC Sample No: CA22858 (CA22858 (1X, 5X) , CA22859 (1X, 40X) , CA22860 (1X, 20X))										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	92	96	4.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	93	102	9.2				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	98	98	0.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	91	92	1.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	94	100	6.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	98	110	11.5				70 - 130	30
1,1-Dichloropropene	ND	1.0	91	102	11.4				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	89	88	1.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	99	102	3.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	91	93	2.2				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	93	100	7.3				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	96	100	4.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	91	92	1.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	92	95	3.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	100	103	3.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	92	96	4.3				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	93	101	8.2				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	92	97	5.3				70 - 130	30
1,3-Dichloropropane	ND	1.0	92	95	3.2				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	91	96	5.3				70 - 130	30
1,4-dioxane	ND	100	108	105	2.8				70 - 130	30
2,2-Dichloropropane	ND	1.0	93	108	14.9				70 - 130	30
2-Chlorotoluene	ND	1.0	90	95	5.4				70 - 130	30
2-Hexanone	ND	5.0	102	102	0.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	97	104	7.0				70 - 130	30
4-Chlorotoluene	ND	1.0	89	95	6.5				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	108	108	0.0				70 - 130	30
Acetone	ND	5.0	95	95	0.0				70 - 130	30
Acrolein	ND	5.0	118	122	3.3				70 - 130	30
Acrylonitrile	ND	5.0	100	103	3.0				70 - 130	30
Benzene	ND	0.70	92	96	4.3				70 - 130	30
Bromobenzene	ND	1.0	92	94	2.2				70 - 130	30
Bromochloromethane	ND	1.0	91	94	3.2				70 - 130	30
Bromodichloromethane	ND	0.50	95	99	4.1				70 - 130	30
Bromoform	ND	1.0	93	93	0.0				70 - 130	30
Bromomethane	ND	1.0	87	95	8.8				70 - 130	30
Carbon Disulfide	ND	1.0	107	119	10.6				70 - 130	30
Carbon tetrachloride	ND	1.0	90	102	12.5				70 - 130	30
Chlorobenzene	ND	1.0	91	95	4.3				70 - 130	30
Chloroethane	ND	1.0	121	128	5.6				70 - 130	30
Chloroform	ND	1.0	96	100	4.1				70 - 130	30

QA/QC Data

SDG I.D.: GCA22854

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	1.0	99	106	6.8				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	93	98	5.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	91	94	3.2				70 - 130	30
Dibromochloromethane	ND	0.50	96	98	2.1				70 - 130	30
Dibromomethane	ND	1.0	94	94	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	94	115	20.1				70 - 130	30
Ethylbenzene	ND	1.0	91	97	6.4				70 - 130	30
Hexachlorobutadiene	ND	0.40	82	93	12.6				70 - 130	30
Isopropylbenzene	ND	1.0	88	97	9.7				70 - 130	30
m&p-Xylene	ND	1.0	95	102	7.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	115	114	0.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	104	105	1.0				70 - 130	30
Methylene chloride	ND	1.0	90	93	3.3				70 - 130	30
Naphthalene	ND	1.0	95	94	1.1				70 - 130	30
n-Butylbenzene	ND	1.0	92	105	13.2				70 - 130	30
n-Propylbenzene	ND	1.0	89	98	9.6				70 - 130	30
o-Xylene	ND	1.0	90	96	6.5				70 - 130	30
p-Isopropyltoluene	ND	1.0	91	101	10.4				70 - 130	30
sec-Butylbenzene	ND	1.0	93	105	12.1				70 - 130	30
Styrene	ND	1.0	93	97	4.2				70 - 130	30
tert-butyl alcohol	ND	10	112	101	10.3				70 - 130	30
tert-Butylbenzene	ND	1.0	89	98	9.6				70 - 130	30
Tetrachloroethene	ND	1.0	86	95	9.9				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	106	101	4.8				70 - 130	30
Toluene	ND	1.0	92	97	5.3				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	92	99	7.3				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	89	92	3.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	91	95	4.3				70 - 130	30
Trichloroethene	ND	1.0	90	97	7.5				70 - 130	30
Trichlorofluoromethane	ND	1.0	112	130	14.9				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	100	119	17.4				70 - 130	30
Vinyl chloride	ND	1.0	104	116	10.9				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	100	99	1.0				70 - 130	30
% Bromofluorobenzene	96	%	96	96	0.0				70 - 130	30
% Dibromofluoromethane	92	%	98	96	2.1				70 - 130	30
% Toluene-d8	99	%	98	100	2.0				70 - 130	30

Comment:

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

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

QA/QC Batch 427416 (ug/kg), QC Sample No: CA22865 (CA22854, CA22855, CA22856, CA22857)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	101	101	0.0	100	101	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	99	98	1.0	97	98	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	100	101	1.0	104	99	4.9	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	99	101	2.0	98	97	1.0	70 - 130	30
1,1-Dichloroethane	ND	5.0	99	98	1.0	98	98	0.0	70 - 130	30
1,1-Dichloroethene	ND	5.0	101	99	2.0	98	100	2.0	70 - 130	30
1,1-Dichloropropene	ND	5.0	99	97	2.0	94	97	3.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	98	100	2.0	97	93	4.2	70 - 130	30
1,2,3-Trichloropropane	ND	5.0	93	95	2.1	97	89	8.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	90	91	1.1	87	87	0.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	94	93	1.1	75	77	2.6	70 - 130	30

QA/QC Data

SDG I.D.: GCA22854

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	5.0	108	114	5.4	109	102	6.6	70 - 130	30	
1,2-Dibromoethane	ND	5.0	96	99	3.1	98	94	4.2	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	97	97	0.0	96	94	2.1	70 - 130	30	
1,2-Dichloroethane	ND	5.0	98	99	1.0	97	95	2.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	100	100	0.0	98	99	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	93	93	0.0	88	90	2.2	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	91	92	1.1	90	90	0.0	70 - 130	30	
1,3-Dichloropropane	ND	5.0	92	94	2.2	94	91	3.2	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	93	94	1.1	91	92	1.1	70 - 130	30	
1,4-dioxane	ND	100	110	102	7.5	112	110	1.8	70 - 130	30	
2,2-Dichloropropane	ND	5.0	99	99	0.0	97	96	1.0	70 - 130	30	
2-Chlorotoluene	ND	5.0	94	93	1.1	94	95	1.1	70 - 130	30	
2-Hexanone	ND	25	80	82	2.5	80	74	7.8	70 - 130	30	
2-Isopropyltoluene	ND	5.0	104	105	1.0	105	107	1.9	70 - 130	30	
4-Chlorotoluene	ND	5.0	93	91	2.2	92	93	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	25	91	93	2.2	91	83	9.2	70 - 130	30	
Acetone	ND	10	66	67	1.5	55	44	22.2	70 - 130	30	l,m
Acrolein	ND	25	105	107	1.9	103	95	8.1	70 - 130	30	
Acrylonitrile	ND	5.0	103	105	1.9	104	95	9.0	70 - 130	30	
Benzene	ND	1.0	98	97	1.0	95	97	2.1	70 - 130	30	
Bromobenzene	ND	5.0	101	102	1.0	100	100	0.0	70 - 130	30	
Bromochloromethane	ND	5.0	97	98	1.0	100	96	4.1	70 - 130	30	
Bromodichloromethane	ND	5.0	106	105	0.9	102	103	1.0	70 - 130	30	
Bromoform	ND	5.0	102	105	2.9	102	99	3.0	70 - 130	30	
Bromomethane	ND	5.0	106	111	4.6	103	105	1.9	70 - 130	30	
Carbon Disulfide	ND	5.0	119	116	2.6	115	116	0.9	70 - 130	30	
Carbon tetrachloride	ND	5.0	100	100	0.0	97	100	3.0	70 - 130	30	
Chlorobenzene	ND	5.0	96	95	1.0	95	96	1.0	70 - 130	30	
Chloroethane	ND	5.0	127	126	0.8	122	124	1.6	70 - 130	30	
Chloroform	ND	5.0	94	94	0.0	95	94	1.1	70 - 130	30	
Chloromethane	ND	5.0	115	110	4.4	98	98	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	99	99	0.0	99	99	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	104	104	0.0	100	100	0.0	70 - 130	30	
Dibromochloromethane	ND	3.0	108	111	2.7	108	108	0.0	70 - 130	30	
Dibromomethane	ND	5.0	101	102	1.0	100	98	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	130	125	3.9	99	100	1.0	70 - 130	30	
Ethylbenzene	ND	1.0	94	95	1.1	91	94	3.2	70 - 130	30	
Hexachlorobutadiene	ND	5.0	101	100	1.0	98	101	3.0	70 - 130	30	
Isopropylbenzene	ND	1.0	96	95	1.0	94	97	3.1	70 - 130	30	
m&p-Xylene	ND	2.0	91	92	1.1	86	88	2.3	70 - 130	30	
Methyl ethyl ketone	ND	5.0	78	81	3.8	80	72	10.5	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	112	112	0.0	112	108	3.6	70 - 130	30	
Methylene chloride	ND	5.0	90	89	1.1	95	90	5.4	70 - 130	30	
Naphthalene	ND	5.0	103	106	2.9	99	96	3.1	70 - 130	30	
n-Butylbenzene	ND	1.0	95	96	1.0	90	94	4.3	70 - 130	30	
n-Propylbenzene	ND	1.0	95	96	1.0	91	94	3.2	70 - 130	30	
o-Xylene	ND	2.0	95	96	1.0	90	93	3.3	70 - 130	30	
p-Isopropyltoluene	ND	1.0	95	95	0.0	93	95	2.1	70 - 130	30	
sec-Butylbenzene	ND	1.0	97	97	0.0	93	95	2.1	70 - 130	30	
Styrene	ND	5.0	93	94	1.1	91	92	1.1	70 - 130	30	
tert-butyl alcohol	ND	100	101	95	6.1	103	102	1.0	70 - 130	30	
tert-Butylbenzene	ND	1.0	96	96	0.0	96	98	2.1	70 - 130	30	
Tetrachloroethene	ND	5.0	103	101	2.0	99	102	3.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCA22854

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Tetrahydrofuran (THF)	ND	5.0	96	101	5.1	93	82	12.6	70 - 130	30
Toluene	ND	1.0	101	101	0.0	98	100	2.0	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	104	102	1.9	102	103	1.0	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	100	102	2.0	97	96	1.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	114	118	3.4	111	106	4.6	70 - 130	30
Trichloroethene	ND	5.0	101	100	1.0	97	99	2.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	114	111	2.7	106	109	2.8	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	111	106	4.6	108	107	0.9	70 - 130	30
Vinyl chloride	ND	5.0	116	111	4.4	101	102	1.0	70 - 130	30
% 1,2-dichlorobenzene-d4	94	%	102	101	1.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	99	%	96	98	2.1	98	97	1.0	70 - 130	30
% Dibromofluoromethane	104	%	100	101	1.0	102	98	4.0	70 - 130	30
% Toluene-d8	89	%	104	103	1.0	102	102	0.0	70 - 130	30

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
April 26, 2018

Thursday, April 26, 2018

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

State: NY

Sample Criteria Exceedances Report

GCA22854 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA22854	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	160	33	50	50	ug/Kg
CA22854	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	160	33	50	50	ug/Kg
CA22855	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	58	27	50	50	ug/Kg
CA22855	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	58	27	50	50	ug/Kg
CA22856	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	52	29	50	50	ug/Kg
CA22856	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	52	29	50	50	ug/Kg
CA22858	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	59	5.0	5	5	ug/L
CA22858	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	59	5.0	5	5	ug/L
CA22858	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA22858	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA22858	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA22858	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA22858	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA22858	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	59	5.0	5	5	ug/L
CA22858	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA22859	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	1.0	5	5	ug/L
CA22859	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	740	40	5	5	ug/L
CA22859	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA22859	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA22859	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	11	1.0	5	5	ug/L
CA22859	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	740	40	5	5	ug/L
CA22859	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA22859	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA22859	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	740	40	5	5	ug/L
CA22859	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	11	1.0	5	5	ug/L
CA22859	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA22859	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L
CA22860	$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	20	1.0	5	5	ug/L
CA22860	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	450	20	5	5	ug/L
CA22860	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CA22860	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	20	1.0	5	5	ug/L
CA22860	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	450	20	5	5	ug/L
CA22860	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CA22860	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CA22860	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.0006	0.0006	ug/L
CA22860	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.25	0.04	0.04	ug/L
CA22860	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	450	20	5	5	ug/L
CA22860	$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria (SPLP)	20	1.0	5	5	ug/L

Thursday, April 26, 2018

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

State: NY

Sample Criteria Exceedances Report

GCA22854 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CA22860	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria (SPLP)	ND	0.50	0.04	0.04	ug/L

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.
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

NY Temperature Narration

April 26, 2018

SDG I.D.: GCA22854

The samples in this delivery group were received at 3.9°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

Temp 3.9 °C Pg 1 of 1

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: 631-504-6000
[X] Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 148 Nagle Ave, NY, NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Meagan Lenna Date: 4/18/18

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: VOCs 8260	Soil VOA Vials [X]methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Badteria Bottle
22854	SB 1 (10-12')	S	4/18/18	12:51 pm		3	1								
22855	SB 2 (10-12')	S		12:15 pm		3	1								
22856	SB 3 (9-10)	S		11:15 am		3	1								
22857	SB 3 (12-14')	S		11:35		3	1								
22858	GW 1	GW		1:11 pm				3							
22859	GW 2	GW		12:27 pm				3							
22860	GW 3	GW	↓	11:41 am				3							

Relinquished by:	Accepted by:	Date:	Time:
		4-19-18	13:06
	Caroline	4-19-18	1600

Comments, Special Requirements or Regulations:

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [X] 5 Days
- [ ] 10 Days
- [ ] Other

* SURCHARGE APPLIES

NJ
- [ ] Res. Criteria
- [ ] Non-Res. Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] GW Criteria

NY
- [X] NY 375 GWP
- [X] NY375 Unrestricted Use Soil
- [X] NY375 Residential Soil
- [X] Restricted/Residential
- [ ] Commercial
- [ ] Industrial

Data Format
- [ ] Phoenix Std Report
- [X] Excel
- [X] PDF
- [ ] GIS/Key
- [X] EQuIS
- [X] NJ Hazsite EDD
- [ ] NY EZ EDD (ASP)
- [ ] Other

State where samples were collected: NY

Data Package
- [ ] NJ Reduced Deliv. *
- [ ] NY Enhanced (ASP B) *
- [ ] Other