March 6, 2019

Mr. James Juliano
JLJ IV Enterprises, Inc.
213-19 99th Avenue
Queens Village, NY 11429

Re: **Phase II Subsurface Investigation Report**
46-81/46-91 Metropolitan Avenue
Ridgewood, NY 11385

Dear Mr. Juliano,

EnviroTrac Ltd. (EnviroTrac) has prepared this letter report to document the results of the Phase II Subsurface Investigation performed at the above-referenced property on February 14, 2019 in accordance with EnviroTrac's proposal, dated January 11, 2019. **Figure 1** is a topographic map showing the site location and features and **Figure 2** is an aerial photograph of the site.

Background and Scope of Work

Cashin Associates, P.C. (Cashin) prepared a Phase I Environmental Site Assessment (ESA) for the property dated December 5, 2018. The property currently contains a one (1) story commercial bus repair building with an attached two (2) story office building (totaling approximately 15,000 square feet). The bus repair building consists of seven (7) garage bays with front and rear roll-up doors. The property also contains large outdoor bus parking lot areas and several office trailers and pod style office structures, which can be accessed via a second gated entrance on the northeast side of the property adjacent to Newtown Creek.

The review of available historical data for the past 130 years indicates that the current commercial bus repair/service building was built sometime between 1965 and 1967, and that the property has been used as a commercial bus depot with hundreds of on-site parking spaces since that time. Sometime before 1936, the one (1) story office building along the southern portion of the property was constructed. This office building was demolished/removed in approximately late 2016, early 2017. Previously (between 1936 and 1967), it appears that the property was used as a lumber storage yard with several piles of lumber, storage sheds, and associated buildings. Three (3) buildings (carpenter shop, iron storage, and a garage) were formerly located on the south central portion of the property and one (1) office building was located on the south end (along

Metropolitan Avenue) of the property. Prior to 1936, the property contained several lumber storage sheds and outdoor stockpiles of lumber associated with the historic lumber yard operations.

The location of a former major bulk petroleum facility, immediately adjacent to the property, is an environmental concern, and has the potential to affect the property if there were a historic release.

Based on the findings of the previous Phase I ESA, the following recognized environmental conditions (RECs) were identified and recommendations provided:

RECs

- ***Phase II Soil Sampling Investigation:*** The findings from a soil sampling investigation performed in 2014 presents a Hazardous REC. Eleven (11) soil samples (labeled as 1 through 10 and 13) were collected throughout the property. Although no elevated volatile organic compounds (VOCs) were found, four (4) of the 11 samples exceeded the commercial and industrial New York State Department of Environmental Conservation (NYSDEC) Part 375 Soil Cleanup Objectives (SCOs) for semi-volatile organic compounds (SVOCs). These sample locations were generally located in the middle of the property. Elevated levels of SVOCs may be related to petroleum releases or historic/urban fill used to raise the site elevation. Based on these findings, additional soil sampling was performed in 2014, due to hazardous levels of lead at soil boring location "3". Sixteen (16) additional samples were collected around this boring location for total and Toxicity Characteristic Leaching Potential (TCLP) lead analysis. All 16 samples exceeded the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective (UUSCO) and five (5) of the 16 samples exceeded the Restricted Commercial Use SCO (RCUSCO). None of the samples exceeded the restricted industrial use SCO (RIUSCO). Five (5) of the samples (3A – 2FBG, 3D – 2FBG, 3D-4FBG, 3G-2FBG, and 3G-4FBG) exceeded the US Environmental Protection Agency (EPA) TCLP limit of 5 mg/L for hazardous lead. Based on this information, hazardous lead soils exist beneath the subsurface of the property. Specifically, hazardous lead soils are located in the northeastern corner (location of Boring "3") of the property, which represents a Hazardous REC;
- ***Closed in-place USTs:*** It is unknown if the closed in-place tanks: Tank No. 001 – 2,200-gallon gasoline UST closed in-place (8/1/1995) and Tank No. 002 – 6,050-gallon diesel UST closed in-place (8/1/1995), were properly abandoned (i.e., pumped, cut, cleaned, and backfilled with inert materials) as no documentation was provided by the current property owner and no abandonment details were given in the database records. Additionally, CA observed what appears to be vent pipes on the west side of the bus repair building. These vent pipes may be associated with the closed in-place tanks or potentially other underground storage tanks (USTs) that may have not been properly

documented; and

- ***Former One (1) Story Office Building:*** Based on conversations with site contacts and aerial photographs, a one (1) story office building was formerly located in the southern portion of the property, along Metropolitan Avenue, adjacent to the facility entrance. This building was apparently constructed sometime before 1936 and demolished in approximately late 2016, early 2017. This office building was reportedly operated by Atlantic Paratrans, Inc., a bus transport company. It is unknown how this former office building was heated and/or if it contained fuel oil AST's and/or USTs.

Recommendations

- ***Closed in-place USTs:*** If sufficient UST closure documentation cannot be obtained through a file review, CA recommended that a ground penetrating radar (GPR) geophysical survey be performed in accessible exterior areas of the property to identify the former location of the closed in-place USTs. This survey will also assist in identifying the location of any other suspect subsurface structures associated with the bus repair/service building that may have not been reported and/or documented by previous owners/operators. The GPR survey may also be expanded to accessible exterior northern, central, and southern portions of the property to identify possible USTs/anomalies associated with historic structures and bus depot operations performed at the property. The geophysical survey should be completed using a combination of GPR, electromagnetic induction, and/or utility tracing instruments. If USTs/anomalies are found, their extents should be delineated on the ground surface for the installation of soil borings (i.e., subsurface investigation). Soil borings, with associated laboratory analytical sampling (VOCs & SVOCs), should be installed around the USTs/anomalies to check for evidence of leaks/spills; and
- ***Former One (1) Story Office Building:*** CA recommends that a GPR survey be performed in the former location of the office building to confirm or deny the presence of USTs. If suspect UST/anomalies are found, a Phase II subsurface soil boring investigation, around suspect USTs/anomalies, should be performed and include soil sample collection with associated laboratory analytical testing for VOCs and SVOCs.

Phase II Subsurface Investigation

To address the aforementioned RECs, EnviroTrac performed a Phase II Subsurface Investigation at the property on February 14, 2019. **Figure 3** shows the boring locations. Photographic documentation is provided in **Attachment A**.

Task 1 – Geophysical Survey

Associated Environmental Services, Inc. (Associated) conducted a geophysical survey,

under the direction of EnviroTrac, at the property to determine the location of subsurface utilities and potential subsurface structures, such as closed in-place USTs. The results of the geophysical survey showed no evidence of former USTs associated with the former one (1) story office building or other accessible portions of the property. The two (2) closed in-place USTs [Tank No. 001 – 2,200-gallon gasoline UST closed in-place (8/1/1995) and Tank No. 002 – 6,050-gallon diesel UST closed in-place (8/1/1995)], were indicated via GPR to be located on the southwestern portion of the property. The previous property owner provided documentation showing that the former one (1) story office building was previously heated using natural gas, which was reported disconnected in 2016. A copy of the documentation is provided in **Attachment B**. Two (2) suspect UST vent pipes were previously identified to the west of garage Bay 7. The vents were verified to be associated with a subsurface oil-water separator. All subsurface utility piping leads to the south, towards Metropolitan Avenue.

Task 2 – Subsurface Investigation

Associated, under the direction of EnviroTrac, installed 10 borings for the purposes of collecting subsurface soil and/or groundwater samples in the vicinity of the identified closed in-place USTs (identified as GP-1) and to further delineate SVOC and lead contamination in soil and/or groundwater at the bus depot (GP-2 through GP-10).

Continuous soil cores were collected from grade to approximately 10 feet below grade at all soil borings. Soil consisted of dark brown to tan, fine to coarse-grained sand with silt, gravel, organic material and/or fill material. All soil cores were screened with a photoionization detector (PID). Geologic boring logs are provided in **Attachment C**. No indications of contamination were noted in the soil cores collected from GP-2, GP-3, and GP-4. Some staining and petroleum odors were noted in soil borings GP-1, GP-6, GP-7, GP-8, and GP-9. Elevated PID readings were also measured for GP-1, GP-6, GP-7, GP-8, and GP-9 ranging from 48 parts per million (ppm) [GP-1@6'-10' (closed in-place USTs) and GP-6@7'-10' (northwestern property boundary)] to 845 ppm [GP-7@6'-10' (northwestern property boundary)]. Soil samples were collected from each boring into laboratory-supplied glassware for analysis of VOCs CP-51 list via US EPA Method 8260, SVOCs CP-51 list via US EPA Method 8270, and lead. Soil samples were selected from intervals that exhibited to be the most impacted via field screening. Groundwater samples were collected from borings GP-1, GP-4, GP-5, GP-8, and GP-10 into laboratory-supplied glassware for analysis of VOCs CP-51 list via US EPA Method 8260, SVOCs CP-51 list via US EPA Method 8270, and dissolved lead. Groundwater was collected from GP-1 due to its location near the closed-in place USTs, and from GP-4, GP-5, GP-8, and GP-10 to assess the remaining portions of the property. Groundwater samples were collected from the water table, which ranged from approximately three (3) to 11 feet below grade (depending on site elevation) via polyethylene tubing in-line with a stainless steel check valve, and into laboratory-supplied glassware.

Laboratory Results

Table 1 and **Figure 4** summarize the soil sample results, and the laboratory report is provided in **Attachment D**. Select VOCs were detected in all 10 soil samples. Most of the concentrations were detected below their respective NYSDEC UUSCOs with the exception of the following concentrations that exceeded their respective NYSDEC UUSCOs:

- ***GP-1*** - Benzene, toluene, ethylbenzene, n-propylbenzene, n-butylbenzene, and naphthalene, and
- ***GP-6*** - Toluene, xylenes, and naphthalene.

Select SVOCs were detected in nine (9) of the 10 soil samples. Most of the concentrations were detected below their respective NYSDEC UUSCOs with the exception of the following concentrations that exceeded their respective NYSDEC UUSCOs or RUCSCOs:

- ***GP-1*** – Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above their respective NYSDEC UUSCOs;
- ***GP***-1 – Benzo(a)pyrene was detected above its NYSDEC RCUSCO;
- ***GP-3*** – Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above their respective NYSDEC UUSCOs;
- ***GP-3*** – benzo(a)pyrene and dibenzo(a,h)anthracene were detected above their respective NYSDEC RCUSCOs;
- ***GP-4*** – Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above their respective NYSDEC UUSCOs;
- ***GP-4*** – Benzo(a)pyrene was detected above its NYSDEC RCUSCO;
- ***GP-5*** – Dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were detected above their NYSDEC UUSCOs;
- ***GP-10*** – Benzo(a)fluoranthene, benzo (b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above their NYSDEC UUSCOs;
- ***GP-10*** – Benzo(a)pyrene and dibenzo(a,h)anthracene were detected above their respective NYSDEC RCUSCOs;

Lead was detected in all 10 soil samples. The lead concentration exceeded its NYSDEC UUSCO in GP-1, GP-3, GP-5, GP-6, and GP-9, and exceeded its NYSDEC RCUSCO in GP-4, GP-8, and GP-10.

Table 2 and **Figure 5** summarize the groundwater sample results collected from GP-1, GP-4, GP-5, GP-6, GP-8, and GP-10, and the laboratory report is provided in **Attachment D**. Select VOCs were detected in all five (5) groundwater samples. Most of the VOC concentrations were detected below their respective NYSDEC Technical

and Operational Guidance Series 1.1.1 Class GA Ambient Water Quality Standards (NYSDEC Groundwater Standards), with the exception of the following:

- ***GP-1*** - Benzene, toluene, ethylbenzene, isopropylbenzene, n-propylbenzene, and naphthalene;
- ***GP-4 & 5*** – Benzene; and
- ***GP-8*** - Sec-butylbenzene and n-butylbenzene.

Select SVOCs were detected in four (4) of the five (5) groundwater samples. Most of the SVOC concentrations were detected below their respective NYSDEC Groundwater Standards, with the exception of the following:

- ***GP-1*** - Benzo(a)pyrene, benzo(a)anthracene, benzo(k)anthracene, chrysene, and naphthalene;
- ***GP-4 & 10*** - Benzo(a)pyrene, benzo(a)anthracene, benzo(k)anthracene, and chrysene; and
- ***GP-8*** - Benzo(a)pyrene and chrysene

Dissolved lead was detected in two (2) of the five (5) groundwater samples, however, the concentrations were detected below its NYSDEC Groundwater Standard.

Due to the detected concentrations of VOCs that exceeded their respective NYSDEC Soil and/or Groundwater Standards at GP-1 and GP-6, a spill was called into the NYSDEC Spills Hotline on February 22, 2019. NYSDEC Spill No. 1811650 was assigned to the property.

Conclusions and Professional Opinion

To address the identified RECs in the Cashin Phase I dated December 5, 2018, EnviroTrac conducted a Phase II Subsurface Investigation on February 14, 2019. A geophysical survey was performed to locate utilities and subsurface anomalies, such as former USTs. No additional subsurface anomalies were detected during the geophysical survey other than the former USTs previously identified to the south of the garage. GP-1 was selected due to its proximity to the closed in-place USTs. The remaining GP locations were placed throughout accessible areas of the property.

The results of the investigation showed that select VOCs, several SVOCs, and lead were detected in the soil throughout the property, and select VOCs and SVOCs were detected in the groundwater beneath the property. Several VOCs and SVOCs, and lead were detected above their respective NYSDEC UUSCOs in several soil samples throughout the property. The concentration for benzo(a)pyrene exceeded its NYSDEC RCUSCO in GP-1, GP-3, GP-4, and GP10, and the concentration for dibenzo(a,h)anthracene exceeded its NYSDEC RCUSCO in GP-3 and GP-10. Several VOCs and SVOCs were also detected above their respective NYSDEC Groundwater Standards.

Due to the detected concentrations of VOCs that exceeded their respective NYSDEC Soil and/or Groundwater Standards at GP-1 and GP-6, NYSDEC Spill No. 1811650 was assigned to the property on February 22, 2019. These detections are likely due to a release emanating from the closed-in place gasoline UST (GP-1) and contamination that may have emanated from the former adjoining major petroleum bulk storage site to the west of GP-6. The VOC exceedances were also shown to impact the groundwater in these areas.

The remaining SVOC and lead detections that exceeded their respective NYSDEC Soil Standards are likely due to the presence of historic fill on the property as well as historic releases from the former adjoining major petroleum bulk storage site to the west. SVOCs also impacted the groundwater beneath the property. Since lead concentrations in groundwater did not exceed its NYSDEC Groundwater Standard, it is evidence that the lead is not leaching from the soil to the groundwater.

The presence of paved surfaces and buildings at the property limits direct contact with the underlying soil and groundwater beneath the property, and limits leaching to the groundwater.

EnviroTrac recommends that the two (2) closed in-place USTs be removed from the property and any petroleum-impacted soil be excavated for proper off-site disposal. Should future development of the property require soil removal or groundwater dewatering, the media should be properly managed and disposed.

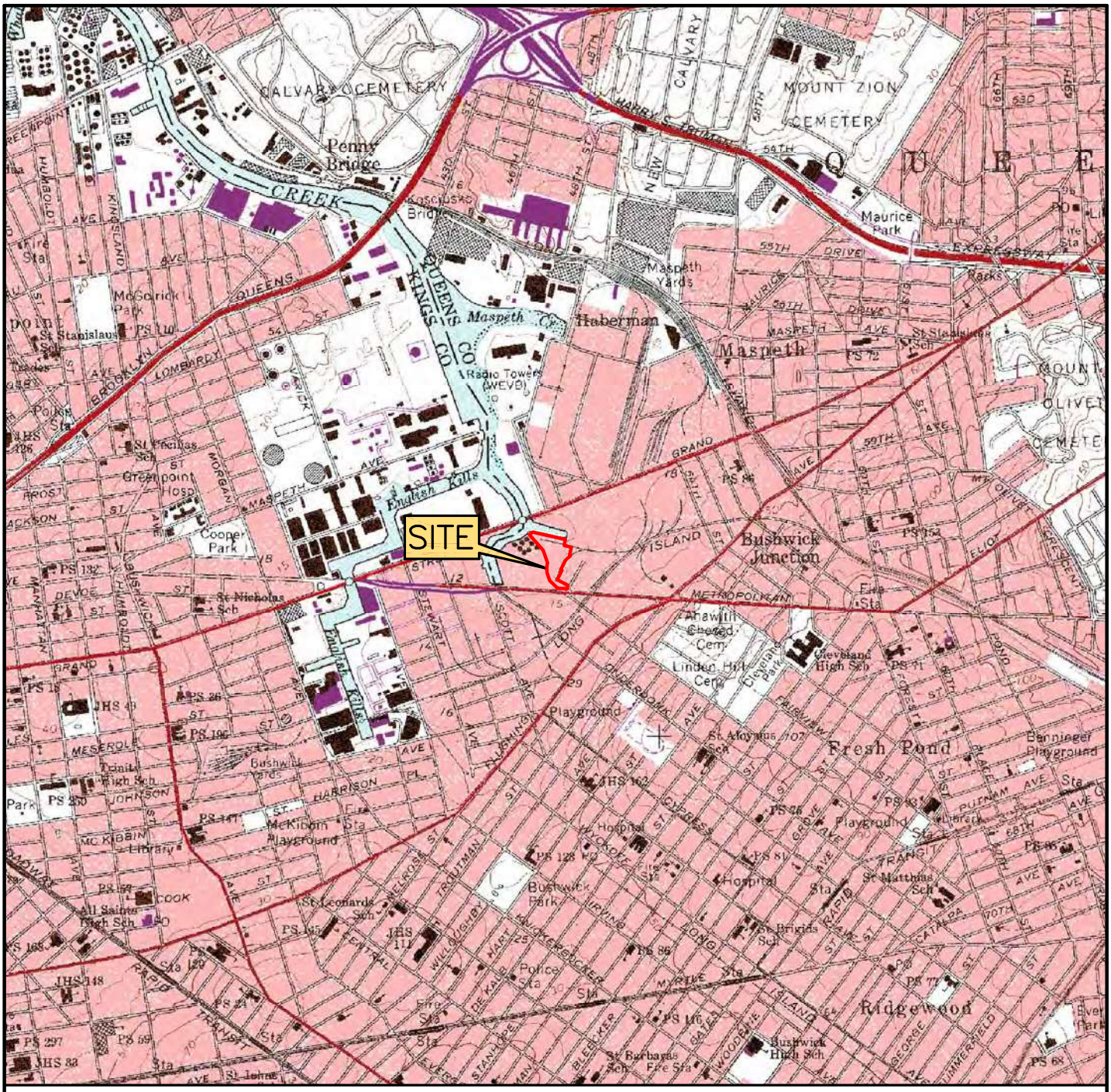
Please do not hesitate to contact me if you have any questions.

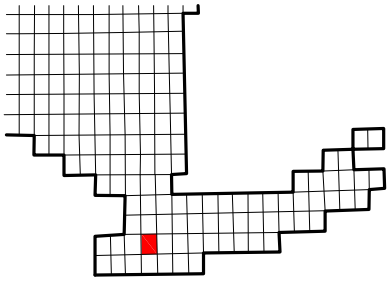
Sincerely,
EnviroTrac Ltd.

Tracy Wall
Project Manager

enclosures

FIGURES

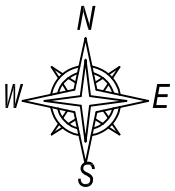




QUADRANGLE LOCATION:
BROOKLYN, NEW YORK

APPROXIMATE ELEVATION:
1–10 FT.

SOURCE:
USGS 7.5 MINUTE SERIES



0 2,000 6,000
1,000 4,000
FEET

FIGURE #	TOPOGRAPHIC MAP	DRAWN BY: B.S.	EnviroTrac ENVIRONMENTAL SERVICES
1	46–81 METROPOLITAN AVENUE MASPETH, NEW YORK	REVISION DATE: 2/21/2019	5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980 PHONE: (631)924–3001 FAX: (631)924–5001

LEGEND:

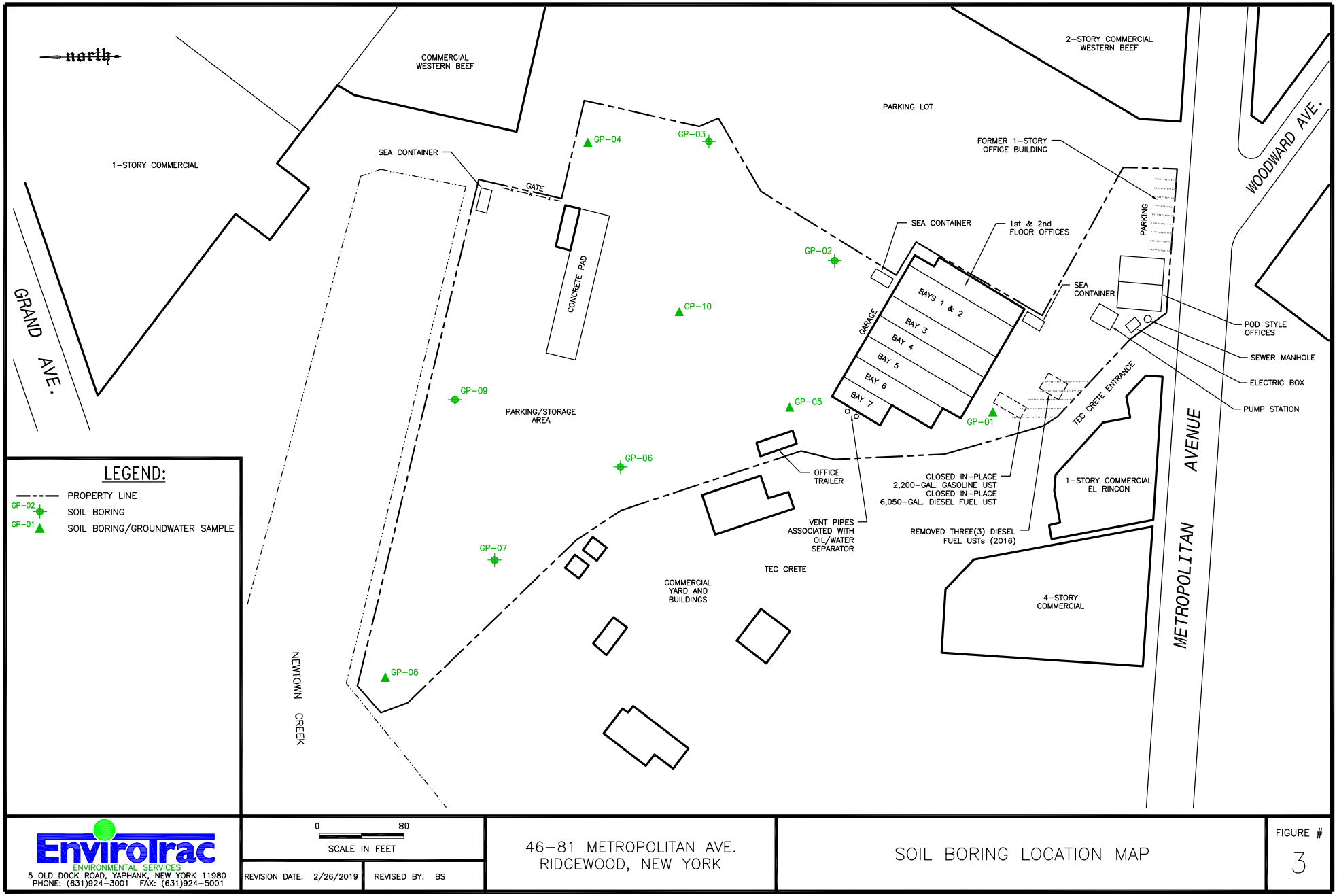
PROPERTY BOUNDARY

N
W E
S

0 150

SCALE IN FEET

FIGURE #	AERIAL LOCATION MAP	DRAWN BY: B.S.	EnviroTrac ENVIRONMENTAL SERVICES
2	46–81 METROPOLITAN AVENUE MASPETH, NEW YORK	REVISION DATE: 2/21/2019	5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980 PHONE: (631)924–3001 FAX: (631)924–5001



EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

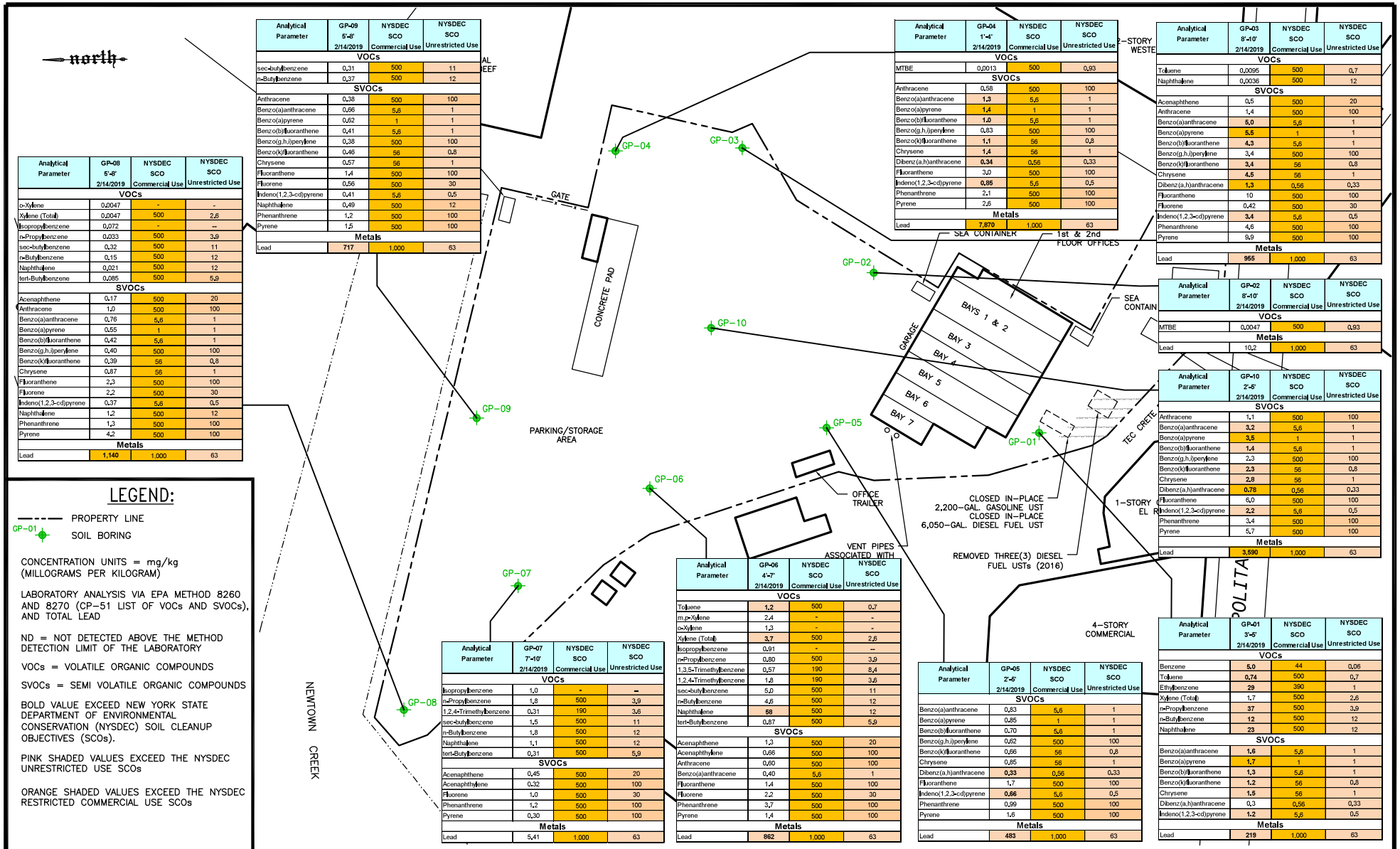
0 80
SCALE IN FEET

REVISION DATE: 2/26/2019 REVISED BY: BS

46-81 METROPOLITAN AVE.
RIDGEWOOD, NEW YORK

SOIL BORING LOCATION MAP

FIGURE # 3



Analytical Parameter	GP-08 5'-8' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
o-Xylene	0,0047	-	-
Xylene (Total)	0,0047	500	2,6
Isopropylbenzene	0,072	-	-
n-Propylbenzene	0,033	500	3,9
sec-butylbenzene	0,32	500	11
n-Butylbenzene	0,15	500	12
Naphthalene	0,021	500	12
tert-Butylbenzene	0,085	500	5,9
SVOCs			
Acenaphthene	0.17	500	20
Anthracene	1.0	500	100
Benzo(a)anthracene	0.76	5,6	1
Benzo(a)pyrene	0.55	1	1
Benzo(b)fluoranthene	0.42	5,6	1
Benzo(g,h,i)perylene	0.40	500	100
Benzo(k)fluoranthene	0.39	56	0,8
Chrysene	0.87	56	1
Fluoranthene	2,3	500	100
Fluorene	2,2	500	30
Indeno(1,2,3-cd)pyrene	0.37	5,6	0,5
Naphthalene	1.2	500	12
Phenanthrene	1,3	500	100
Pyrene	4.2	500	100
Metals			
Lead	1,140	1,000	63

Analytical Parameter	GP-09 5'-8' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
sec-butylbenzene	0,31	500	11
n-Butylbenzene	0,37	500	12
SVOCs			
Anthracene	0,38	500	100
Benzo(a)anthracene	0,66	5,6	1
Benzo(a)pyrene	0,62	1	1
Benzo(b)fluoranthene	0,41	5,6	1
Benzo(g,h,i)perylene	0,38	500	100
Benzo(k)fluoranthene	0,46	56	0,8
Chrysene	0.57	56	1
Fluoranthene	1,4	500	100
Fluorene	0,56	500	30
Indeno(1,2,3-cd)pyrene	0,41	5,6	0,5
Naphthalene	0,49	500	12
Phenanthrene	1,2	500	100
Pyrene	1,5	500	100
Metals			
Lead	717	1,000	63

Analytical Parameter	GP-04 1'-4' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
MTBE	0,0013	500	0,93
SVOCs			
Anthracene	0,58	500	100
Benzo(a)anthracene	1,3	5,6	1
Benzo(a)pyrene	1,4	1	1
Benzo(b)fluoranthene	1,0	5,6	1
Benzo(g,h,i)perylene	0,83	500	100
Benzo(k)fluoranthene	1,1	56	0,8
Chrysene	1,4	56	1
Dibenz(a,h)anthracene	0,34	0,56	0,33
Fluoranthene	3,0	500	100
Indeno(1,2,3-cd)pyrene	0,85	5,6	0,5
Phenanthrene	2,1	500	100
Pyrene	2,6	500	100
Metals			
Lead	7,870	1,000	63

Analytical Parameter	GP-03 8'-10' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
Toluene	0,0095	500	0,7
Naphthalene	0,0036	500	12
SVOCs			
Acenaphthene	0,5	500	20
Anthracene	1,4	500	100
Benzo(a)anthracene	5,0	5,6	1
Benzo(a)pyrene	5,5	1	1
Benzo(b)fluoranthene	4,3	5,6	1
Benzo(g,h,i)perylene	3,4	500	100
Benzo(k)fluoranthene	3,4	56	0,8
Chrysene	4,5	56	1
Dibenz(a,h)anthracene	1,3	0,56	0,33
Fluoranthene	10	500	100
Fluorene	0,42	500	30
Indeno(1,2,3-cd)pyrene	3,4	5,6	0,5
Phenanthrene	4,6	500	100
Pyrene	8,9	500	100
Metals			
Lead	955	1,000	63

Analytical Parameter	GP-02 8'-10' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
MTBE	0,0047	500	0,93
Metals			
Lead	10,2	1,000	63

Analytical Parameter	GP-10 2'-5' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
SVOCs			
Anthracene	1,1	500	100
Benzo(a)anthracene	3,2	5,6	1
Benzo(a)pyrene	3,5	1	1
Benzo(b)fluoranthene	1,4	5,6	1
Benzo(g,h,i)perylene	2,3	500	100
Benzo(k)fluoranthene	2,3	56	0,8
Chrysene	2,8	56	1
Dibenz(a,h)anthracene	0,78	0,56	0,33
Fluoranthene	6,0	500	100
Indeno(1,2,3-cd)pyrene	2,2	5,6	0,5
Phenanthrene	3,4	500	100
Pyrene	5,7	500	100
Metals			
Lead	3,590	1,000	63

Analytical Parameter	GP-06 4'-7' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
Toluene	1,2	500	0,7
m,p-Xylene	2,4	-	-
o-Xylene	1,3	-	-
Xylene (Total)	3,7	500	2,6
Isopropylbenzene	0,91	-	--
n-Propylbenzene	0,80	500	3,9
1,3,5-Trimethylbenzene	0,57	190	8,4
1,2,4-Trimethylbenzene	1,8	190	3,6
sec-butylbenzene	5,0	500	11
n-Butylbenzene	4,6	500	12
Naphthalene	58	500	12
tert-Butylbenzene	0,87	500	5,9
SVOCs			
Acenaphthene	1,3	500	20
Acenaphthylene	0,66	500	100
Anthracene	0,60	500	100
Benzo(a)anthracene	0,40	5,6	1
Fluoranthene	1,4	500	100
Fluorene	2,2	500	30
Phenanthrene	3,7	500	100
Pyrene	1,4	500	100
Metals			
Lead	862	1,000	63

Analytical Parameter	GP-07 7'-10' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
Isopropylbenzene	1,0	-	--
n-Propylbenzene	1,8	500	3,9
1,2,4-Trimethylbenzene	0,31	190	3,6
sec-butylbenzene	1,5	500	11
n-Butylbenzene	1,8	500	12
Naphthalene	1,1	500	12
tert-Butylbenzene	0,31	500	5,9
SVOCs			
Acenaphthene	0,45	500	20
Acenaphthylene	0,32	500	100
Fluorene	1,0	500	30
Phenanthrene	1,2	500	100
Pyrene	0,30	500	100
Metals			
Lead	5,41	1,000	63

Analytical Parameter	GP-05 2'-5' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
SVOCs			
Benzo(a)anthracene	0,83	5,6	1
Benzo(a)pyrene	0,85	1	1
Benzo(b)fluoranthene	0,70	5,6	1
Benzo(g,h,i)perylene	0,62	500	100
Benzo(k)fluoranthene	0,66	56	0,8
Chrysene	0,85	56	1
Dibenz(a,h)anthracene	0,33	0,56	0,33
Fluoranthene	1,7	500	100
Indeno(1,2,3-cd)pyrene	0,66	5,6	0,5
Phenanthrene	0,99	500	100
Pyrene	1,6	500	100
Metals			
Lead	483	1,000	63

Analytical Parameter	GP-01 3'-5' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs			
Benzene	5,0	44	0,06
Toluene	0,74	500	0,7
Ethylbenzene	29	390	1
Xylene (Total)	1,7	500	2,6
n-Propylbenzene	37	500	3,9
n-Butylbenzene	12	500	12
Naphthalene	23	500	12
SVOCs			
Benzo(a)anthracene	1,6	5,6	1
Benzo(a)pyrene	1,7	1	1
Benzo(b)fluoranthene	1,3	5,6	1
Benzo(k)fluoranthene	1,2	56	0,8
Chrysene	1,5	56	1
Dibenz(a,h)anthracene	0,3	0,56	0,33
Indeno(1,2,3-cd)pyrene	1,2	5,6	0,5
Metals			
Lead	219	1,000	63

LEGEND:

PROPERTY LINE

GP-01 SOIL BORING

CONCENTRATION UNITS = mg/kg (MILLOGRAMS PER KILOGRAM)

LABORATORY ANALYSIS VIA EPA METHOD 8260 AND 8270 (CP-51 LIST OF VOCs AND SVOCs), AND TOTAL LEAD

ND = NOT DETECTED ABOVE THE METHOD DETECTION LIMIT OF THE LABORATORY

VOCs = VOLATILE ORGANIC COMPOUNDS

SVOCs = SEMI VOLATILE ORGANIC COMPOUNDS

BOLD VALUE EXCEED NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SOIL CLEANUP OBJECTIVES (SCOs).

PINK SHADED VALUES EXCEED THE NYSDEC UNRESTRICTED USE SCOs

ORANGE SHADED VALUES EXCEED THE NYSDEC RESTRICTED COMMERCIAL USE SCOs

EnviroTrac ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

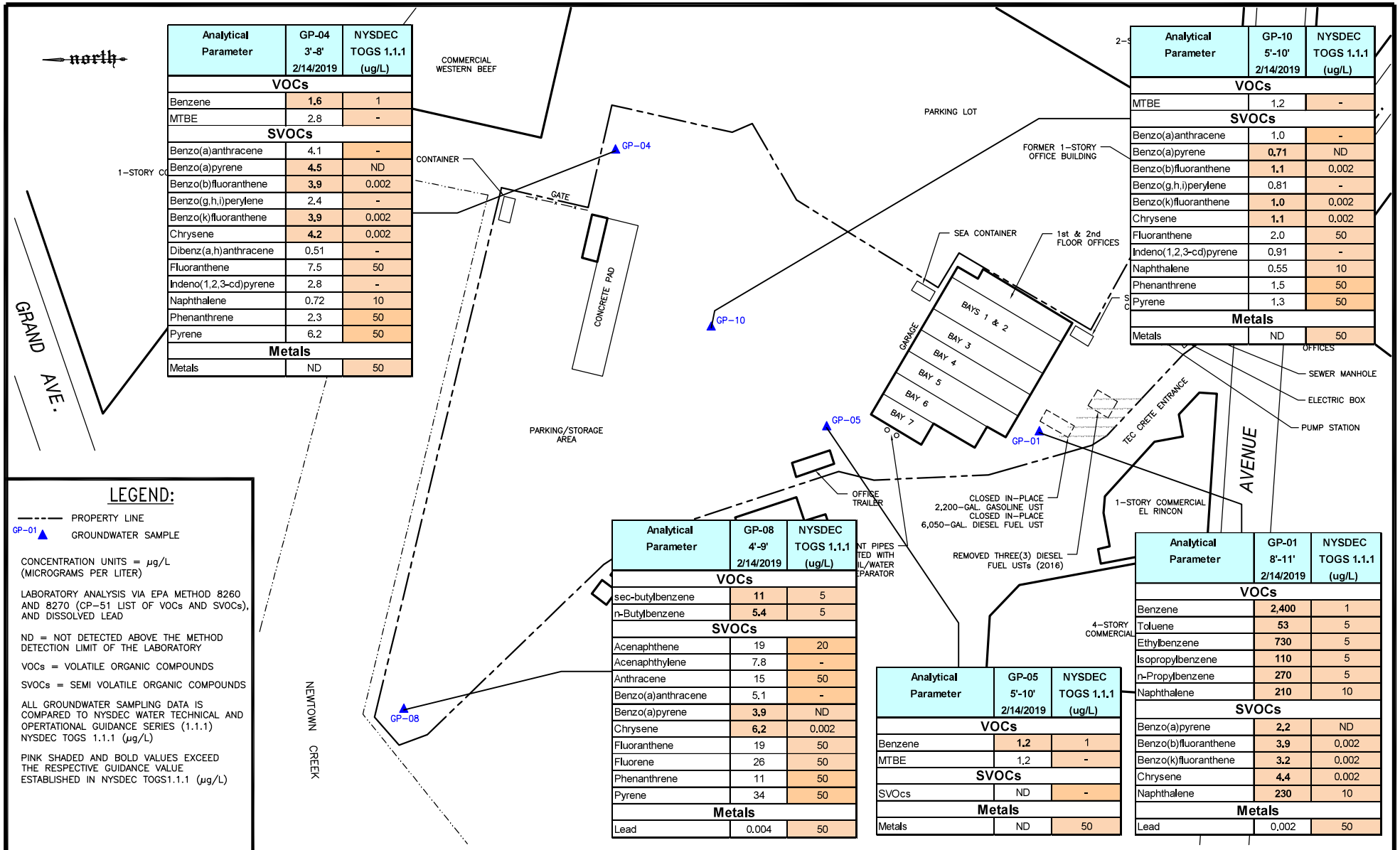
0 80
SCALE IN FEET

REVISION DATE: 2/26/2019 REVISED BY: BS

46-81 METROPOLITAN AVE.
RIDGEWOOD, NEW YORK

SOIL SAMPLING RESULTS MAP

FIGURE # 4



Analytical Parameter	GP-04 3'-8' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs		
Benzene	**1.6**	1
MTBE	2.8	-
SVOCs		
Benzo(a)anthracene	4.1	-
Benzo(a)pyrene	**4.5**	ND
Benzo(b)fluoranthene	**3.9**	0.002
Benzo(g,h,i)perylene	2.4	-
Benzo(k)fluoranthene	**3.9**	0.002
Chrysene	**4.2**	0.002
Dibenz(a,h)anthracene	0.51	-
Fluoranthene	7.5	50
Indeno(1,2,3-cd)pyrene	2.8	-
Naphthalene	0.72	10
Phenanthrene	2.3	50
Pyrene	6.2	50
Metals		
Metals	ND	50

Analytical Parameter	GP-10 5'-10' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs		
MTBE	1.2	-
SVOCs		
Benzo(a)anthracene	1.0	-
Benzo(a)pyrene	**0.71**	ND
Benzo(b)fluoranthene	**1.1**	0.002
Benzo(g,h,i)perylene	0.81	-
Benzo(k)fluoranthene	**1.0**	0.002
Chrysene	**1.1**	0.002
Fluoranthene	2.0	50
Indeno(1,2,3-cd)pyrene	0.91	-
Naphthalene	0.55	10
Phenanthrene	1.5	50
Pyrene	1.3	50
Metals		
Metals	ND	50

Analytical Parameter	GP-08 4'-9' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs		
sec-butylbenzene	**11**	5
n-Butylbenzene	**5.4**	5
SVOCs		
Acenaphthene	19	20
Acenaphthylene	7.8	-
Anthracene	15	50
Benzo(a)anthracene	5.1	-
Benzo(a)pyrene	**3.9**	ND
Chrysene	**6.2**	0.002
Fluoranthene	19	50
Fluorene	26	50
Phenanthrene	11	50
Pyrene	34	50
Metals		
Lead	0.004	50

Analytical Parameter	GP-05 5'-10' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs		
Benzene	**1.2**	1
MTBE	1.2	-
SVOCs		
SVOCs	ND	-
Metals		
Metals	ND	50

Analytical Parameter	GP-01 8'-11' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs		
Benzene	**2,400**	1
Toluene	**53**	5
Ethylbenzene	**730**	5
Isopropylbenzene	**110**	5
n-Propylbenzene	**270**	5
Naphthalene	**210**	10
SVOCs		
Benzo(a)pyrene	**2.2**	ND
Benzo(b)fluoranthene	**3.9**	0.002
Benzo(k)fluoranthene	**3.2**	0.002
Chrysene	**4.4**	0.002
Naphthalene	**230**	10
Metals		
Lead	0.002	50

LEGEND:

PROPERTY LINE

GP-01 GROUNDWATER SAMPLE

CONCENTRATION UNITS = µg/L (MICROGRAMS PER LITER)

LABORATORY ANALYSIS VIA EPA METHOD 8260 AND 8270 (CP-51 LIST OF VOCs AND SVOCs), AND DISSOLVED LEAD

ND = NOT DETECTED ABOVE THE METHOD DETECTION LIMIT OF THE LABORATORY

VOCs = VOLATILE ORGANIC COMPOUNDS

SVOCs = SEMI VOLATILE ORGANIC COMPOUNDS

ALL GROUNDWATER SAMPLING DATA IS COMPARED TO NYSDEC WATER TECHNICAL AND OPERTATIONAL GUIDANCE SERIES (1.1.1) NYSDEC TOGS 1.1.1 (µg/L)

PINK SHADED AND BOLD VALUES EXCEED THE RESPECTIVE GUIDANCE VALUE ESTABLISHED IN NYSDEC TOGS1.1.1 (µg/L)

EnviroTrac ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

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REVISION DATE: 2/26/2019 REVISED BY: BS

46-81 METROPOLITAN AVE.
RIDGEWOOD, NEW YORK

GROUNDWATER SAMPLING RESULTS MAP

FIGURE # 5

TABLES

EnviroTrac
Environmental Services

Table 1

Summary of Analytical Results For Soil Sampling

46-81 Metropolitan Avenue
Ridgewood, New York

Analytical Parameter	GP-01 3'-5' 2/14/2019	GP-02 8'-10' 2/14/2019	GP-03 8'-10' 2/14/2019	GP-04 1'-4' 2/14/2019	GP-05 2'-5' 2/14/2019	GP-06 4'-7' 2/14/2019	GP-07 7'-10' 2/14/2019	GP-08 5'-8' 2/14/2019	GP-09 5'-8' 2/14/2019	GP-10 2'-5' 2/14/2019	NYSDEC SCO Commercial Use	NYSDEC SCO Unrestricted Use
VOCs												
Benzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	0.06
Toluene	**0.74**	ND	0.0095	ND	ND	**1.2**	ND	ND	ND	ND	500	0.7
Ethylbenzene	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	1
m,p-Xylene	1.7	ND	ND	ND	ND	2.4	ND	ND	ND	ND	-	-
o-Xylene	ND	ND	ND	ND	ND	1.3	ND	0.0047	ND	ND	-	-
Xylene (Total)	1.7	ND	ND	ND	ND	**3.7**	ND	0.0047	ND	ND	500	2.6
MTBE	ND	0.0047	ND	0.0013	ND	ND	ND	ND	ND	ND	500	0.93
Isopropylbenzene	11	ND	ND	ND	ND	0.91	1.0	0.072	ND	ND	-	--
n-Propylbenzene	**37**	ND	ND	ND	ND	0.80	1.8	0.033	ND	ND	500	3.9
1,3,5-Trimethylbenzene	0.59	ND	ND	ND	ND	0.57	ND	ND	ND	ND	190	8.4
1,2,4-Trimethylbenzene	0.92	ND	ND	ND	ND	1.8	0.31	ND	ND	ND	190	3.6
sec-butylbenzene	5.2	ND	ND	ND	ND	5.0	1.5	0.32	0.31	ND	500	11
p-Isopropyltoluene	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	--
n-Butylbenzene	**12**	ND	ND	ND	ND	4.6	1.8	0.15	0.37	ND	500	12
Naphthalene	**23**	ND	0.0036	ND	ND	**58**	1.1	0.021	ND	ND	500	12
tert-Butylbenzene	0.16	ND	ND	ND	ND	0.87	0.31	0.085	ND	ND	500	5.9
SVOCs												
Acenaphthene	0.6	ND	0.5	ND	ND	1.3	0.45	0.17	ND	ND	500	20
Acenaphthylene	ND	ND	ND	ND	ND	0.66	0.32	ND	ND	ND	500	100
Anthracene	0.5	ND	1.4	0.58	ND	0.60	ND	1.0	0.38	1.1	500	100
Benzo(a)anthracene	**1.6**	ND	**5.0**	**1.3**	0.83	0.40	ND	0.76	0.66	**3.2**	5.6	1
Benzo(a)pyrene	**1.7**	ND	**5.5**	**1.4**	0.85	ND	ND	0.55	0.62	**3.5**	1	1
Benzo(b)fluoranthene	**1.3**	ND	**4.3**	**1.0**	0.70	ND	ND	0.42	0.41	**1.4**	5.6	1
Benzo(g,h,i)perylene	1.1	ND	3.4	0.83	0.62	ND	ND	0.40	0.38	2.3	500	100
Benzo(k)fluoranthene	**1.2**	ND	**3.4**	**1.1**	0.66	ND	ND	0.39	0.46	**2.3**	56	0.8
Chrysene	**1.5**	ND	**4.5**	**1.4**	0.85	ND	ND	0.87	0.57	**2.8**	56	1
Dibenz(a,h)anthracene	0.30	ND	**1.3**	**0.34**	**0.33**	ND	ND	ND	ND	**0.78**	0.56	0.33
Fluoranthene	3.8	ND	10	3.0	1.7	1.4	ND	2.3	1.4	6.0	500	100
Fluorene	0.64	ND	0.42	ND	ND	2.2	1.0	2.2	0.56	ND	500	30
Indeno(1,2,3-cd)pyrene	**1.2**	ND	**3.4**	**0.85**	**0.66**	ND	ND	0.37	0.41	**2.2**	5.6	0.5
Naphthalene	5.0	ND	ND	ND	ND	ND	ND	1.2	0.49	ND	500	12
Phenanthrene	2.6	ND	4.6	2.1	0.99	3.7	1.2	1.3	1.2	3.4	500	100
Pyrene	3.5	ND	9.9	2.6	1.6	1.4	0.30	4.2	1.5	5.7	500	100
Metals												
Lead	**219**	10.2	**955**	**7,870**	**483**	**862**	5.41	**1,140**	**717**	**3,590**	1,000	63

Notes:

1. Concentration Units = mg/kg (millograms per kilogram).
2. Laboratory analysis via EPA Method 8260 and 8270 (CP-51 List of VOCs and SVOCs), and total lead.
3. ND = Not detected above the method detection limit of the laboratory.
4. VOCs = Volatile Organic Compounds
5. SVOCs = Semi Volatile Organic Compounds
6. Bold Value exceed New York State Department of Environmental Conservation (NYSDEC)Soil Cleanup Objectives (SCOs).
7. Pink shaded values exceed the NYSDEC Unrestricted Use SCOs.
8. Orange shaded values exceed the NYSDEC Restriced Commercial Use SCOs.

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Environmental Services

Table 2

Summary of Analytical Results For Groundwater Sampling

46-81 Metropolitan Avenue
Ridgewood, New York

Analytical Parameter	GP-01 8'-11' 2/14/2019	GP-04 3'-8' 2/14/2019	GP-05 5'-10' 2/14/2019	GP-08 4'-9' 2/14/2019	GP-10 5'-10' 2/14/2019	NYSDEC TOGS 1.1.1 (ug/L)
VOCs						
Benzene	**2,400**	**1.6**	**1.2**	ND	ND	1
Toluene	**53**	ND	ND	ND	ND	5
Ethylbenzene	**730**	ND	ND	ND	ND	5
m,p-Xylene	ND	ND	ND	ND	ND	5
o-Xylene	ND	ND	ND	ND	ND	5
Xylene (Total)	ND	ND	ND	ND	ND	5
MTBE	51	2.8	1.2	ND	1.2	-
Isopropylbenzene	**110**	ND	ND	ND	ND	5
n-Propylbenzene	**270**	ND	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	5
sec-butylbenzene	ND	ND	ND	**11**	ND	5
p-Isopropyltoluene	ND	ND	ND	ND	ND	-
n-Butylbenzene	ND	ND	ND	**5.4**	ND	5
Naphthalene	**210**	ND	ND	ND	ND	10
tert-Butylbenzene	ND	ND	ND	ND	ND	5
SVOCs						
2-Methylnaphthalene	98	ND	ND	ND	ND	-
Acenaphthene	3.2	ND	ND	19	ND	20
Acenaphthylene	ND	ND	ND	7.8	ND	-
Anthracene	2	ND	ND	15	ND	50
Benzo(a)anthracene	4.2	4.1	ND	5.1	1.0	-
Benzo(a)pyrene	**2.2**	**4.5**	ND	**3.9**	**0.71**	ND
Benzo(b)fluoranthene	**3.9**	**3.9**	ND	ND	**1.1**	0.002
Benzo(g,h,i)perylene	1.8	2.4	ND	ND	0.81	-
Benzo(k)fluoranthene	**3.2**	**3.9**	ND	ND	**1.0**	0.002
Chrysene	**4.4**	**4.2**	ND	**6.2**	**1.1**	0.002
Dibenz(a,h)anthracene	ND	0.51	ND	ND	ND	-
Fluoranthene	12	7.5	ND	19	2.0	50
Fluorene	5	ND	ND	26	ND	50
Indeno(1,2,3-cd)pyrene	2.3	2.8	ND	ND	0.91	-
Naphthalene	**230**	0.72	ND	ND	0.55	10
Phenanthrene	13	2.3	ND	11	1.5	50
Pyrene	7.6	6.2	ND	34	1.3	50
Metals						
Lead	0.002	ND	ND	0.004	ND	50

Notes:

1. Concentration Units = ug/L (micrograms per liter)
2. Laboratory analysis via EPA Method 8260 and 8270 (CP-51 List of VOCs and SVOCs) and dissolved lead.
3. ND = Not detected above the method detection limit of the laboratory.
4. VOCs = Volatile Organic Compounds
5. SVOCs = Semi Volatile Organic Compounds
6. All Groundwater sampling data is compared to NYSDEC Water Technical and Operational Guidance Series (1.1.1) NYSDEC TOGS 1.1.1 (ug/L)
7. Pink shaded and bolded values exceed the respective guidance value established in NYSDEC TOGS 1.1.1 (ug/L)

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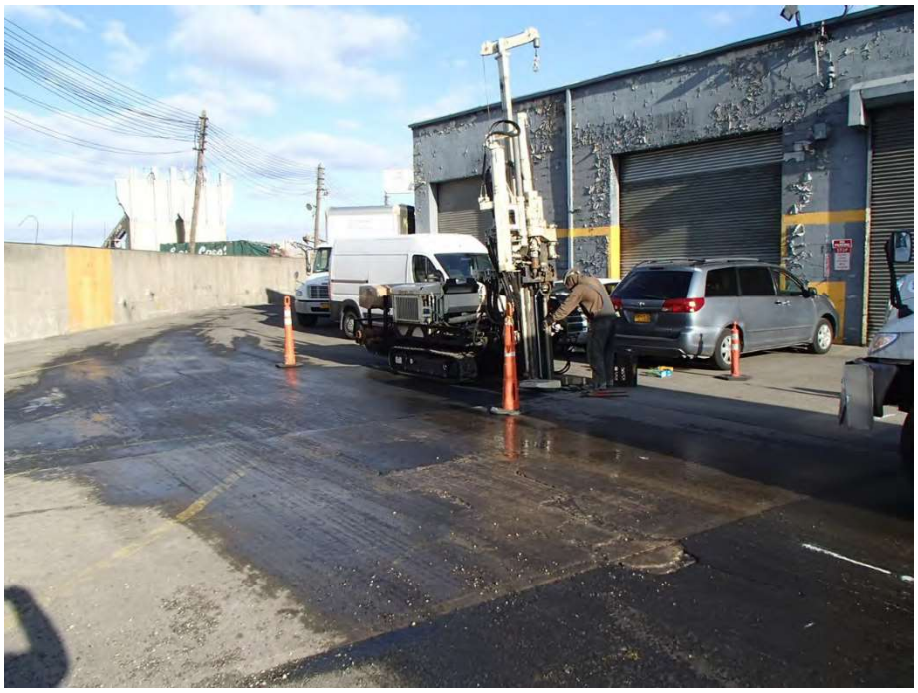
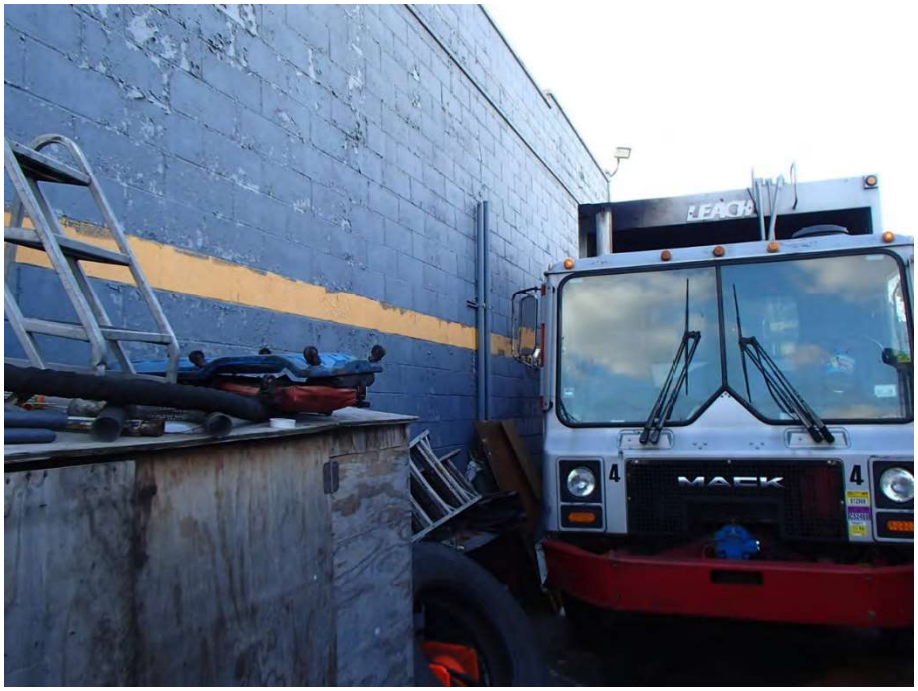
ATTACHMENT A

Photographic Documentation

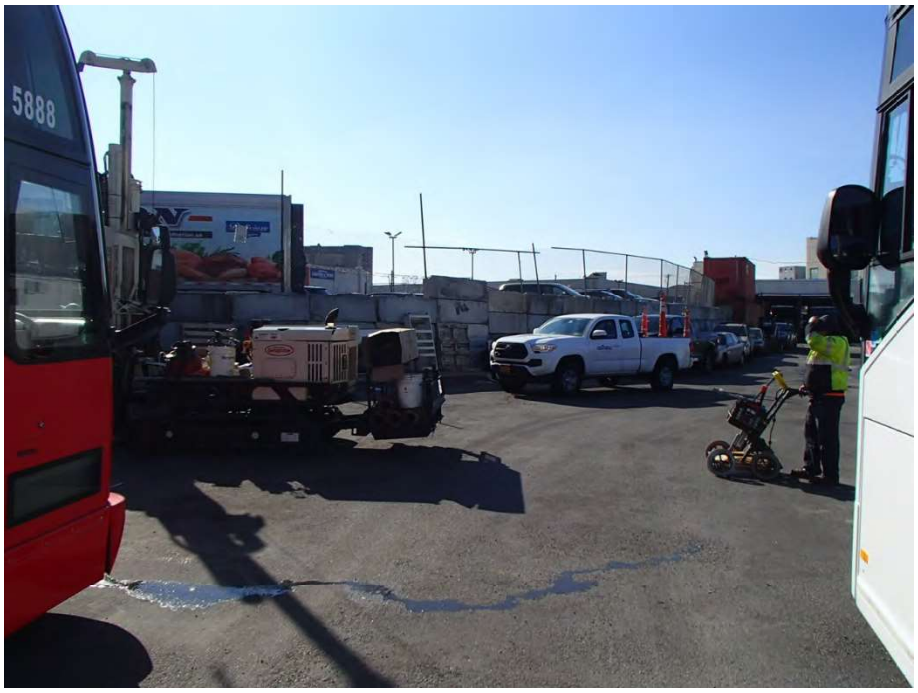
EnviroTrac
Environmental Services



Photograph 1: View of the boring location GP-2 located to the north of the garage.

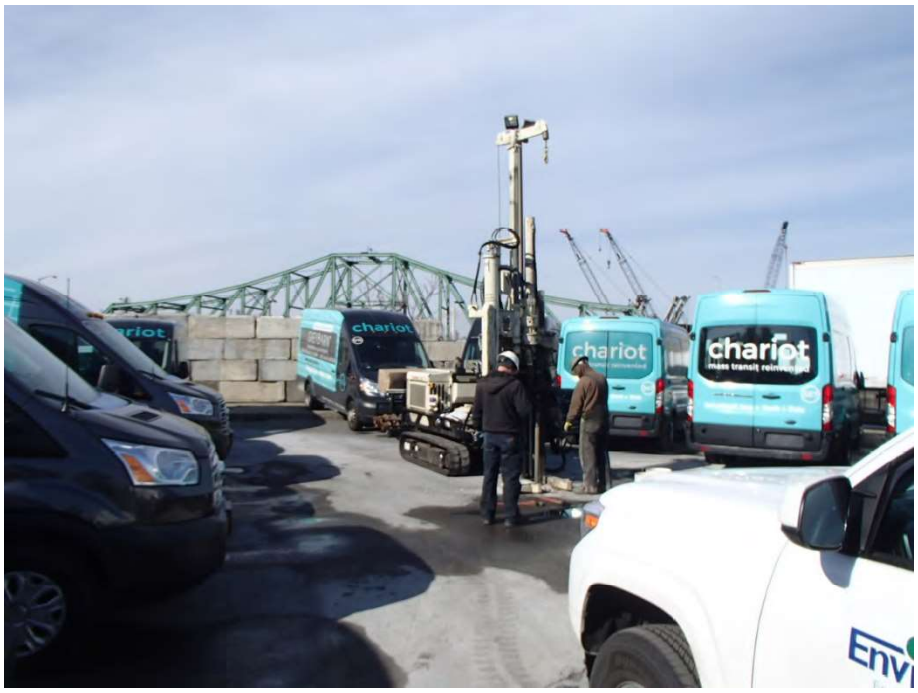


Photograph 2: View of the two (2) vent pipes associated with the oil-water separator located to the west of the garage.



Photograph 3: View of the ground penetrating radar (GPR) equipment utilized to identify subsurface anomalies.

Photograph 4: View of a boring location along the northwester property perimeter.



Photograph 5: View of boring location GP-8 at the northwestern corner of the property.

Photograph 6: View of a soil core the exhibits the presence of historic fill material and organic material.

ATTACHMENT B

Geologic Boring Logs

EnviroTrac
Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-01	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	NM
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	38	NA		0' - 5'
				0.0	0'-2' - Brown, fine-grained silty sand. No odor or staining, dry.
				242	3'-4' - Brown, fine-grained silty sand. Petroleum odor, no staining, moist.
				181	4'-5' - Brown, medium to coarse-grained sand with some gravel. Petroleum odor, black staining, wet.
					Soil sample collected from 3'-5' bg.
	5	57	NA		5' - 10'
				141	5'-6' - Brown, medium to coarse-grained sand with some gravel. Petroleum odor, black staining, wet.
				48	6'-10' - Brown, fine-grained silty sand and organic material. Slight petroleum odor, gray staining, wet.
					Groundwater sample collected from 8'-11' bg, sheen noted on water.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-02	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	NM
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	42	NA		0' - 5'
				0.0	0'-2' - Fill material. No odor or staining, moist.
				0.0	3'-5' - Brown, fine to medium-grained silty sand. No odor or staining, wet.
	5	41	NA		5' - 10'
				0.0	5'-9.5' - Brown to gray, fine-grained sand with some organic material. No odor or staining, moist.
				0.0	9.5'-10' - Gray clay. No odor or staining, wet.
					Soil sample collected from 8'-10' bg.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-03	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	NM
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	32	NA		0' - 5'
				0.0	0'-4' - Fill material with brown, fine to medium-grained sand with some gravel. No odor or staining, moist.
				0.0	4'-5' - Black, fine to medium-grained sand with some gravel. No odor, moist.
	5	27	NA		5' - 10'
				0.0	5'-9.5' - Brown, fine to medium-grained sand with trace gravel. No odor or staining, moist.
				0.0	9.5'-10' - Fill material. No odor or staining, wet.
					Soil sample collected from 8'-10' bg.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-04	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	NM
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	44	NA		0' - 5'
				0.0	0'-2.5' - Fill material with black, fine to medium-grained sand. No odor, dry.
				0.0	2.5'-3.5' - Tan to brown, fine-grained silty sand. No odor, wet.
				0.0	3.5'-5' - Black, medium to coarse-grained sand with some gravel. No odor, wet.
					Soil sample collected from 1'-4' bg.
	5	58	NA		5' - 10'
				0.0	5'-9' - Fill material and brown to black, medium to coarse-grained sand with some gravel. No odor or staining, wet.
				0.0	9'-10' - Black, fine-grained silty sand with some organic material. No odor or staining, moist.
					Groundwater sample collected from 3'-8' bg.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-05	Depth to Water (ft. from measuring pt.)		Site Elevation Datum NM
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	38	NA		0' - 5'
				2.8	0'-5' -Black, medium to coarse-grained sand with some gravel. Slight odor, no staining, moist, wet at 5'.
					Soil sample collected from 2'-5' bg.
	5	58	NA		5' - 10'
				0.0	5'-6.5' - Black, medium to coarse-grained sand with some gravel and trace fill material. No odors or staining, wet.
				0.0	6.5' - 10' - Light brown, fine-grained silty sand. No odor or staining, moist.
	10				Groundwater sample collected from 5'-10'.
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client:	Soil Boring ID:	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
JLJ IV Enterprises, Inc.	GP-06			NM
Site Name:	Address:	Date	DTW	
	46-81 Metropolitan Avenue, Ridgewood, NY			
Drilling Company:	Drilling Method:			Measuring Point Elevation
Associated Environmental Services	Geoprobe			NM
Date Started:	Date Completed:			
02/14/19	2/14/2019			
Completion Depth:	EnviroTrac Oversight:			
10'	Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	30	NA		0' - 5'
				12.0	0'-3' - Gray to black, medium to coarse-grained sand with some gravel. Slight odor and staining, dry.
				48.0	3'-5' - Gray to black, medium to coarse-grained sand with some gravel. Slight odor and staining. wet.
					Soil sample collected from 4'-7' bg.
	5	58	NA		5' - 10'
				382	5'-7' - Black, fine to medium-grained sand with some gravel. Petroleum odor, black staining, wet with sheen.
				48.0	7'-10' - Brown, fine-grained silty sand with some organic material. Slight petroleum odor, no staining, wet.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client:	Soil Boring ID:	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
JLJ IV Enterprises, Inc.	GP-07			NM
Site Name:	Address:	Date	DTW	
	46-81 Metropolitan Avenue, Ridgewood, NY			
Drilling Company:	Drilling Method:			
Associated Environmental Services	Geoprobe			Measuring Point Elevation
Date Started:	Date Completed:			NM
02/14/19	2/14/2019			
Completion Depth:	EnviroTrac Oversight:			
10'	Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	44	NA		0' - 5'
				12.0	0'-4' -Black, fine to medium-grained sand with some fill material. No odor, slight staining, dry to moist.
				282	4'-5' - Black fine to medium-grained sand with some fill material. Slight petroleum odor, slight staining, wet.
	5	58	NA		5' - 10'
				296	5'-6' - Black, medium to coarse-grained sand with some gravel. Slight petroleum odor, slight staining, wet.
				845	6'-10' - Brown, fine-grained silty sand with some organic material. Strong petroleum odor, product noted, wet.
					Soil sample collected from 7'-10' bg.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client: JLJ IV Enterprises, Inc.	Soil Boring ID: GP-08	Depth to Water (ft. from measuring pt.)		Site Elevation Datum NM
Site Name:	Address: 46-81 Metropolitan Avenue, Ridgewood, NY	Date	DTW	
Drilling Company: Associated Environmental Services	Drilling Method: Geoprobe			Measuring Point Elevation
Date Started: 02/14/19	Date Completed: 2/14/2019			NM
Completion Depth: 10'	EnviroTrac Oversight: Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	38	NA		0' - 5'
				9.0	0'-3.5' - Brown, fine-grained silty sand with some gravel. Slight petroleum odor, no staining, moist.
				165	3.5'-5' - Black, medium to coarse-grained sand with some gravel. Strong petroleum odor, product noted, wet.
	5	58	NA		5' - 10'
				245	5'-7' - Black, fine to medium-grained sand with some gravel. Strong petroleum odor, product noted, wet.
				58.0	7'-10' - Black, fine to medium-grained sand with some grave. Slight petroleum odor, product noted, wet.
					Soil sample collected from 5'-8' bg.
					Groundwater sample collected from 4'-9' bg.
	10				
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client:	Soil Boring ID:	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
JLJ IV Enterprises, Inc.	GP-09			NM
Site Name:	Address:	Date	DTW	
	46-81 Metropolitan Avenue, Ridgewood, NY			
Drilling Company:	Drilling Method:			
Associated Environmental Services	Geoprobe			Measuring Point Elevation
Date Started:	Date Completed:			NM
02/14/19	2/14/2019			
Completion Depth:	EnviroTrac Oversight:			
10'	Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	36	NA		0' - 5'
				108.0	0'-4' - Brown to black, medium to coarse-grained sand with some gravel and fill material. Strong petroleum odor, slight staining, dry to moist.
				108	4'-5' - Brown to black, medium to coarse-grained sand with some gravel and fill material. Strong petroleum odor, product staining, wet.
	5	52	NA		5' - 10'
				286	5'-8.5' - Brown to black, medium to coarse-grained silty sand with some gravel and fill material. Strong petroleum odor, staining noted, wet.
				114.0	8.5'-10' - Black, fine-grained silty sand with some organic material. Strong petroleum odor, staining noted, wet.
	10				Soil sample collected from 5'-8' bg.
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Geologic Log

ENVIROTRAC, LTD.

5 Old Dock Road, Yaphank, NY 11980

Client:	Soil Boring ID:	Depth to Water (ft. from measuring pt.)		Site Elevation Datum
JLJ IV Enterprises, Inc.	GP-10			NM
Site Name:	Address:	Date	DTW	
	46-81 Metropolitan Avenue, Ridgewood, NY			
Drilling Company:	Drilling Method:			
Associated Environmental Services	Geoprobe			Measuring Point Elevation
Date Started:	Date Completed:			NM
02/14/19	2/14/2019			
Completion Depth:	EnviroTrac Oversight:			
10'	Michael Alliegro			

WELL CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	PID	SOIL DESCRIPTION
NA	0	36	NA		0' - 5'
				0.0	0'-5' - Brown to black, medium to coarse-grained sand with fill material and gravel. No odor or staining, dry, wet at 5'.
					Soil sample collected from 2'-5' bg.
	5	56	NA		5' - 10'
				0.0	5'-6' - Brown to black, medium to coarse-grained sand with fill material and gravel. No odor or staining, wet.
				0.0	6'-10' - Brown, fine-grained, silty sand with organic material. No odor or staining, wet.
	10				Groundwater sample collected from 5'-10'
	15				
	20				

NTS - Not to Scale NA - Not Applicable

EnviroTrac Environmental Services

Attachment C

Documentation for Natural Gas Disconnection

EnviroTrac
Environmental Services

nationalgrid

(718) 403-2147

October 24, 2016

DEPT BLDGS Job No. 421335567
Scan Code ESHS2975371

Titan Realty & Construction LLC
One Plaza Road
Greenvale , N Y 11548

Dear Sir:

Please be advised that gas service has been disconnected and our equipment has been removed from the following premise/s:

46-81 Metropolitan Ave

Very truly yours,

Gregg Noto
Account Services & Collections

Attachment D

Laboratory Report

EnviroTrac
Environmental Services

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	9:15
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52888

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-01 (3-5`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Lead	219	3.6	mg/Kg	10	02/18/19	EK	SW6010D	
Percent Solid	84		%		02/15/19	DA	SW846-%Solid	
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A	
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B	
Volatiles- STARS/CP-51								
1,2,4-Trimethylbenzene	920	120	ug/Kg	50	02/16/19	HM	SW8260C	
1,3,5-Trimethylbenzene	590	120	ug/Kg	50	02/16/19	HM	SW8260C	
Benzene	5000	250	ug/Kg	50	02/16/19	HM	SW8260C	
Ethylbenzene	29000	2500	ug/Kg	500	02/18/19	HM	SW8260C	
Isopropylbenzene	11000	120	ug/Kg	50	02/16/19	HM	SW8260C	
m&p-Xylene	1700	250	ug/Kg	50	02/16/19	HM	SW8260C	
Methyl t-Butyl Ether (MTBE)	ND	120	ug/Kg	50	02/16/19	HM	SW8260C	
Naphthalene	23000	1200	ug/Kg	500	02/18/19	HM	SW8260C	
n-Butylbenzene	12000	120	ug/Kg	50	02/16/19	HM	SW8260C	
n-Propylbenzene	37000	1200	ug/Kg	500	02/18/19	HM	SW8260C	
o-Xylene	ND	250	ug/Kg	50	02/16/19	HM	SW8260C	
p-Isopropyltoluene	470	120	ug/Kg	50	02/16/19	HM	SW8260C	
sec-Butylbenzene	5200	120	ug/Kg	50	02/16/19	HM	SW8260C	
tert-Butylbenzene	160	120	ug/Kg	50	02/16/19	HM	SW8260C	
Toluene	740	250	ug/Kg	50	02/16/19	HM	SW8260C	
Total Xylenes	1700	250	ug/Kg	50	02/16/19	HM	SW8260C	
QA/QC Surrogates								
% 1,2-Dichlorobenzene-d4 (50x)	100		%	50	02/16/19	HM	70 - 130 %	
% Bromofluorobenzene (50x)	146		%	50	02/16/19	HM	70 - 130 %	3
% Dibromofluoromethane (50x)	90		%	50	02/16/19	HM	70 - 130 %	
% Toluene-d8 (50x)	109		%	50	02/16/19	HM	70 - 130 %	
% 1,2-Dichlorobenzene-d4 (500x)	98		%	500	02/18/19	HM	70 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (500x)	98		%	500	02/18/19	HM	70 - 130 %
% Dibromofluoromethane (500x)	101		%	500	02/18/19	HM	70 - 130 %
% Toluene-d8 (500x)	97		%	500	02/18/19	HM	70 - 130 %
Semivolatiles-STARS/CP-51							
Acenaphthene	600	270	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	470	270	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	1600	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	1700	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	1300	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	1100	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	1200	270	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	1500	270	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	300	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	3800	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	640	270	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	1200	270	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	5000	270	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	2600	270	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	3500	270	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	67		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	69		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	76		%	1	02/19/19	AW	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

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:

Volatile Comment:
Due to the sample matrix one of the surrogate recovery's was above the upper range.

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	10:15
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52889

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-02 (8-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	10.2	0.40	mg/Kg	1	02/16/19	CPP	SW6010D
Percent Solid	77		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
Benzene	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	4.7	1.3	ug/Kg	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
o-Xylene	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.3	ug/Kg	1	02/16/19	HM	SW8260C
Toluene	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
Total Xylenes	ND	2.6	ug/Kg	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	99		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	94		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	100		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	100		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-02 (8-10`)

Phoenix I.D.: CC52889

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	ND	300	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	73		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	57		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	86		%	1	02/19/19	AW	30 - 130 %

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.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	10:46
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52890

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-03 (8-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	955	4.9	mg/Kg	10	02/18/19	EK	SW6010D
Percent Solid	61		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
Benzene	ND	4.1	ug/Kg	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	4.1	ug/Kg	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	4.1	ug/Kg	1	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
Naphthalene	3.6	2.0	ug/Kg	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
o-Xylene	ND	4.1	ug/Kg	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	2.0	ug/Kg	1	02/16/19	HM	SW8260C
Toluene	9.5	4.1	ug/Kg	1	02/16/19	HM	SW8260C
Total Xylenes	ND	4.1	ug/Kg	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	97		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	81		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	101		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	94		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-03 (8-10`)

Phoenix I.D.: CC52890

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	500	370	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	370	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	1400	370	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	5000	370	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	5500	370	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	4300	370	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	3400	370	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	3400	370	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	4500	370	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	1300	370	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	10000	370	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	420	370	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	3400	370	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	370	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	4600	370	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	9900	370	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	51		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	37		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	74		%	1	02/19/19	AW	30 - 130 %

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.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	11:33
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52891

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-04 (1-4`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	7870	40	mg/Kg	100	02/18/19	EK	SW6010D
Percent Solid	83		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
Benzene	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	1.3	1.2	ug/Kg	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
o-Xylene	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.2	ug/Kg	1	02/16/19	HM	SW8260C
Toluene	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
Total Xylenes	ND	2.4	ug/Kg	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	99		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	100		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	100		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-04 (1-4`)

Phoenix I.D.: CC52891

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	580	270	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	1300	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	1400	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	1000	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	830	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	1100	270	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	1400	270	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	340	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	3000	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	850	270	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	2100	270	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	2600	270	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	56		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	42		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	52		%	1	02/19/19	AW	30 - 130 %

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
February 20, 2019
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	12:26
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52892

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-05 (2-5`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	483	3.9	mg/Kg	10	02/18/19	EK	SW6010D
Percent Solid	81		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Benzene	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
o-Xylene	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Toluene	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
Total Xylenes	ND	3.2	ug/Kg	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	111		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	86		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	102		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	98		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-05 (2-5`)

Phoenix I.D.: CC52892

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	280	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	ND	280	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	830	280	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	850	280	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	700	280	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	620	280	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	660	280	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	850	280	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	330	280	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	1700	280	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	ND	280	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	660	280	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	280	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	990	280	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	1600	280	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	74		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	61		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	88		%	1	02/19/19	AW	30 - 130 %

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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February 20, 2019
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	12:50
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52893

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-06 (4-7`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	862	6.4	mg/Kg	10	02/18/19	EK	SW6010D
Percent Solid	57		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	1800	260	ug/Kg	50	02/18/19	JLI	SW8260C
1,3,5-Trimethylbenzene	570	260	ug/Kg	50	02/18/19	JLI	SW8260C
Benzene	ND	520	ug/Kg	50	02/18/19	JLI	SW8260C
Ethylbenzene	ND	520	ug/Kg	50	02/18/19	JLI	SW8260C
Isopropylbenzene	910	260	ug/Kg	50	02/18/19	JLI	SW8260C
m&p-Xylene	2400	520	ug/Kg	50	02/18/19	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	260	ug/Kg	50	02/18/19	JLI	SW8260C
Naphthalene	58000	260	ug/Kg	50	02/18/19	JLI	SW8260C
n-Butylbenzene	4600	260	ug/Kg	50	02/18/19	JLI	SW8260C
n-Propylbenzene	800	260	ug/Kg	50	02/18/19	JLI	SW8260C
o-Xylene	1300	520	ug/Kg	50	02/18/19	JLI	SW8260C
p-Isopropyltoluene	ND	260	ug/Kg	50	02/18/19	JLI	SW8260C
sec-Butylbenzene	5000	260	ug/Kg	50	02/18/19	JLI	SW8260C
tert-Butylbenzene	870	260	ug/Kg	50	02/18/19	JLI	SW8260C
Toluene	1200	520	ug/Kg	50	02/18/19	JLI	SW8260C
Total Xylenes	3700	520	ug/Kg	50	02/18/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4 (50x)	99		%	50	02/18/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	105		%	50	02/18/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	92		%	50	02/18/19	JLI	70 - 130 %
% Toluene-d8 (50x)	98		%	50	02/18/19	JLI	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-06 (4-7`)

Phoenix I.D.: CC52893

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	1300	400	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	660	400	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	600	400	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	400	400	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	1400	400	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	2200	400	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	400	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	3700	400	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	1400	400	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	56		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	47		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	72		%	1	02/19/19	AW	30 - 130 %

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:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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

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

Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	13:15
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52894

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-07 (7-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	5.41	0.36	mg/Kg	1	02/16/19	CPP	SW6010D
Percent Solid	85		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	310	96	ug/Kg	50	02/18/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	96	ug/Kg	50	02/18/19	JLI	SW8260C
Benzene	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
Ethylbenzene	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
Isopropylbenzene	1000	96	ug/Kg	50	02/18/19	JLI	SW8260C
m&p-Xylene	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	96	ug/Kg	50	02/18/19	JLI	SW8260C
Naphthalene	1100	96	ug/Kg	50	02/18/19	JLI	SW8260C
n-Butylbenzene	1800	96	ug/Kg	50	02/18/19	JLI	SW8260C
n-Propylbenzene	1800	96	ug/Kg	50	02/18/19	JLI	SW8260C
o-Xylene	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
p-Isopropyltoluene	ND	96	ug/Kg	50	02/18/19	JLI	SW8260C
sec-Butylbenzene	1500	96	ug/Kg	50	02/18/19	JLI	SW8260C
tert-Butylbenzene	310	96	ug/Kg	50	02/18/19	JLI	SW8260C
Toluene	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
Total Xylenes	ND	190	ug/Kg	50	02/18/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4 (50x)	101		%	50	02/18/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	103		%	50	02/18/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	94		%	50	02/18/19	JLI	70 - 130 %
% Toluene-d8 (50x)	98		%	50	02/18/19	JLI	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-07 (7-10`)

Phoenix I.D.: CC52894

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	450	270	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	320	270	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	1000	270	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	270	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	1200	270	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	300	270	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	71		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	59		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	80		%	1	02/19/19	AW	30 - 130 %

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:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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

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

Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	13:45
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52895

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-08 (5-8`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Lead	1140	4.5	mg/Kg	10	02/18/19	EK	SW6010D	
Percent Solid	64		%		02/15/19	DA	SW846-%Solid	
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A	
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B	
Volatiles- STARS/CP-51								
1,2,4-Trimethylbenzene	ND	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
Benzene	ND	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
Ethylbenzene	ND	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
Isopropylbenzene	72	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
m&p-Xylene	ND	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
Methyl t-Butyl Ether (MTBE)	ND	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
Naphthalene	21	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
n-Butylbenzene	150	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
n-Propylbenzene	33	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
o-Xylene	4.7	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
p-Isopropyltoluene	ND	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
sec-Butylbenzene	320	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
tert-Butylbenzene	85	2.2	ug/Kg	1	02/18/19	JLI	SW8260C	
Toluene	ND	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
Total Xylenes	4.7	4.4	ug/Kg	1	02/18/19	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-Dichlorobenzene-d4	107		%	1	02/18/19	JLI	70 - 130 %	
% Bromofluorobenzene	185		%	1	02/18/19	JLI	70 - 130 %	3
% Dibromofluoromethane	101		%	1	02/18/19	JLI	70 - 130 %	
% Toluene-d8	104		%	1	02/18/19	JLI	70 - 130 %	

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-08 (5-8`)

Phoenix I.D.: CC52895

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	1700	360	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	360	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	1000	360	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	760	360	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	550	360	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	420	360	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	400	360	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	390	360	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	870	360	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	ND	360	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	2300	360	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	2200	360	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	370	360	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	1200	360	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	1300	360	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	4200	360	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	62		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	56		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	77		%	1	02/19/19	AW	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

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:

Volatile Comment:
Due to the sample matrix one of the surrogate recovery's was above the upper range.

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

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

Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	14:26
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52896

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-09 (5-8`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	717	5.0	mg/Kg	10	02/18/19	EK	SW6010D
Percent Solid	68		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
Benzene	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
Ethylbenzene	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
Isopropylbenzene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
m&p-Xylene	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
Naphthalene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
n-Butylbenzene	370	270	ug/Kg	50	02/16/19	HM	SW8260C
n-Propylbenzene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
o-Xylene	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
sec-Butylbenzene	310	270	ug/Kg	50	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	270	ug/Kg	50	02/16/19	HM	SW8260C
Toluene	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
Total Xylenes	ND	550	ug/Kg	50	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4 (50x)	99		%	50	02/16/19	HM	70 - 130 %
% Bromofluorobenzene (50x)	107		%	50	02/16/19	HM	70 - 130 %
% Dibromofluoromethane (50x)	98		%	50	02/16/19	HM	70 - 130 %
% Toluene-d8 (50x)	102		%	50	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-09 (5-8`)

Phoenix I.D.: CC52896

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	340	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	340	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	380	340	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	660	340	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	620	340	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	410	340	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	380	340	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	460	340	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	570	340	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	ND	340	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	1400	340	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	560	340	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	410	340	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	490	340	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	1200	340	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	1500	340	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	59		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	51		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	76		%	1	02/19/19	AW	30 - 130 %

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:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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

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

Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 20, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/14/19	15:10
Location Code:	ENVIROTR	Received by:	SW	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52888
Phoenix ID: CC52897

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-10 (2-5`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead	3590	41	mg/Kg	100	02/18/19	EK	SW6010D
Percent Solid	72		%		02/15/19	DA	SW846-%Solid
Soil Extraction SVOA PAH	Completed				02/18/19	JJ/LV	SW3545A
Total Metals Digest	Completed				02/15/19	K/AG	SW3050B
Volatiles- STARS/CP-51							
1,2,4-Trimethylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Benzene	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
o-Xylene	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.6	ug/Kg	1	02/16/19	HM	SW8260C
Toluene	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
Total Xylenes	ND	3.1	ug/Kg	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	100		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	93		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	99		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	98		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE RIDGEWOOD NY
Client ID: GP-10 (2-5`)

Phoenix I.D.: CC52897

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles-STARS/CP-51							
Acenaphthene	ND	320	ug/Kg	1	02/19/19	AW	SW8270D
Acenaphthylene	ND	320	ug/Kg	1	02/19/19	AW	SW8270D
Anthracene	1100	320	ug/Kg	1	02/19/19	AW	SW8270D
Benz(a)anthracene	3200	320	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(a)pyrene	3500	320	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(b)fluoranthene	2400	320	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(ghi)perylene	2300	320	ug/Kg	1	02/19/19	AW	SW8270D
Benzo(k)fluoranthene	2300	320	ug/Kg	1	02/19/19	AW	SW8270D
Chrysene	2800	320	ug/Kg	1	02/19/19	AW	SW8270D
Dibenz(a,h)anthracene	780	320	ug/Kg	1	02/19/19	AW	SW8270D
Fluoranthene	6000	320	ug/Kg	1	02/19/19	AW	SW8270D
Fluorene	ND	320	ug/Kg	1	02/19/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	2200	320	ug/Kg	1	02/19/19	AW	SW8270D
Naphthalene	ND	320	ug/Kg	1	02/19/19	AW	SW8270D
Phenanthrene	3400	320	ug/Kg	1	02/19/19	AW	SW8270D
Pyrene	5700	320	ug/Kg	1	02/19/19	AW	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	65		%	1	02/19/19	AW	30 - 130 %
% Nitrobenzene-d5	53		%	1	02/19/19	AW	30 - 130 %
% Terphenyl-d14	76		%	1	02/19/19	AW	30 - 130 %

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.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 20, 2019
Official Report Release To Follow

Sample Criteria Exceedances Report

GCC52888 - ENVIROTR

Criteria: None

State: NY

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

*** No Data to Display ***

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 1.3 Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☑ Email: JeffB@Envirotrac.com

Customer: Envirotrac LTD
Address: 5 Old Dock Rd
Yaphank NY 11980

Project: 46-81 Metropolitan Ave, Ridgewood NY Project P.O:
Report to: Jeff Bohlen
Invoice to: Jeff Bohlen

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Date: 2/14/19

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	CP-51 VOCs	CP-51 SVOCs	Total Lead	Soil VOA Vials H (methanol: H H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
52888	GP-01 (3'-5')	S	2/14/19	9:15	X	X	X									3	1
52889	GP-02 (8-10')	S	2/14/19	10:15	X	X	X									3	1
52890	GP-03 (8'-10')	S	2/14/19	10:46	X	X	X									3	1
52891	GP-04 (1'-4')	S	2/14/19	11:33	X	X	X									3	1
52892	GP-05 (2'-5')	S	2/14/19	12:26	X	X	X									3	1
52893	GP-06 (4'-7')	S	2/14/19	12:50	X	X	X									3	1
52894	GP-07 (7'-10')	S	2/14/19	13:15	X	X	X									3	1
52895	GP-08 (5-8')	S	2/14/19	13:45	X	X	X									3	1
52896	GP-09 (5-8)	S	2/14/19	14:26	X	X	X									3	1
52897	GP-10 (2-5')	S	2/14/19	15:10	X	X	X									3	1

Relinquished by:	Accepted by:	Date:	Time:
		2/14/19	17:30
		2-15-19	14:58

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

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

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

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

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

Comments, Special Requirements or Regulations:

* need results by 2/20/19 A.M *

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, February 21, 2019

Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
SDG ID: GCC52883
Sample ID#s: CC52883 - CC52887

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.

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

Sample Id Cross Reference

February 21, 2019

SDG I.D.: GCC52883

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY

Client Id	Lab Id	Matrix
GP-01	CC52883	GROUND WATER
GP-04	CC52884	GROUND WATER
GP-05	CC52885	GROUND WATER
GP-08	CC52886	GROUND WATER
GP-10	CC52887	GROUND WATER

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 21, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/14/19	9:30
Location Code:	ENVIROTR	Received by:	CP	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52883
Phoenix ID: CC52883

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead (Dissolved)	0.002	0.002	mg/L	1	02/18/19	CPP	SW6010D
Filtration	Completed				02/15/19	AG	0.45um Filter
Semi-Volatile Extraction	Completed				02/15/19	P/DQ	SW3520C
Dissolved Metals Preparation	Completed				02/15/19	AG	SW3005A
Volatiles- Stars/CP-51							
1,2,4-Trimethylbenzene	ND	50	ug/L	50	02/18/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	50	ug/L	50	02/18/19	HM	SW8260C
Benzene	2400	35	ug/L	50	02/18/19	HM	SW8260C
Ethylbenzene	730	50	ug/L	50	02/18/19	HM	SW8260C
Isopropylbenzene	110	50	ug/L	50	02/18/19	HM	SW8260C
m&p-Xylene	ND	100	ug/L	50	02/18/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	51	50	ug/L	50	02/18/19	HM	SW8260C
Naphthalene	210	50	ug/L	50	02/18/19	HM	SW8260C
n-Butylbenzene	ND	50	ug/L	50	02/18/19	HM	SW8260C
n-Propylbenzene	270	50	ug/L	50	02/18/19	HM	SW8260C
o-Xylene	ND	100	ug/L	50	02/18/19	HM	SW8260C
p-Isopropyltoluene	ND	50	ug/L	50	02/18/19	HM	SW8260C
sec-Butylbenzene	ND	50	ug/L	50	02/18/19	HM	SW8260C
tert-Butylbenzene	ND	50	ug/L	50	02/18/19	HM	SW8260C
Toluene	53	50	ug/L	50	02/18/19	HM	SW8260C
Total Xylenes	ND	100	ug/L	50	02/18/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (50x)	100		%	50	02/18/19	HM	70 - 130 %
% Bromofluorobenzene (50x)	97		%	50	02/18/19	HM	70 - 130 %
% Dibromofluoromethane (50x)	106		%	50	02/18/19	HM	70 - 130 %
% Toluene-d8 (50x)	102		%	50	02/18/19	HM	70 - 130 %

Ver 2

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-01

Phoenix I.D.: CC52883

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles by SIM, PAH							
2-Methylnaphthalene	98	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Acenaphthene	3.2	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Acenaphthylene	ND	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Anthracene	2.0	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Benz(a)anthracene	4.2	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Benzo(a)pyrene	2.2	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Benzo(b)fluoranthene	3.9	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Benzo(ghi)perylene	1.8	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Benzo(k)fluoranthene	3.2	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Chrysene	4.4	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Fluoranthene	12	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Fluorene	5.0	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	2.3	0.02	ug/L	1	02/19/19	WB	SW8270D (SIM)
Naphthalene	230	1.0	ug/L	10	02/20/19	WB	SW8270D (SIM)
Phenanthrene	13	0.07	ug/L	1	02/19/19	WB	SW8270D (SIM)
Pyrene	7.6	0.10	ug/L	1	02/19/19	WB	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	62		%	1	02/19/19	WB	30 - 130 %
% Nitrobenzene-d5	95		%	1	02/19/19	WB	30 - 130 %
% Terphenyl-d14	30		%	1	02/19/19	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	02/20/19	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	02/20/19	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	02/20/19	WB	30 - 130 %

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

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

This sample was not collected in accordance with EPA method 5030. NELAC requires the laboratory to qualify the volatile data as biased low.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Volatile Comment:
Elevated reporting limits for volatiles due to dilution for sample matrix. The sample vial appears to have an oily residue inside the cap and vial.

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

Phyllis Shiller, Laboratory Director
February 21, 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

Analysis Report

February 21, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/14/19	11:50
Location Code:	ENVIROTR	Received by:	CP	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52883
Phoenix ID: CC52884

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-04

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/18/19	CPP	SW6010D
Filtration	Completed				02/15/19	AG	0.45um Filter
Semi-Volatile Extraction	Completed				02/15/19	P/DQ	SW3520C
Dissolved Metals Preparation	Completed				02/15/19	AG	SW3005A
Volatiles- Stars/CP-51							
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Benzene	1.6	0.70	ug/L	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	2.8	1.0	ug/L	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Toluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Total Xylenes	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	97		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	101		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-04

Phoenix I.D.: CC52884

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Semivolatiles by SIM, PAH								
2-Methylnaphthalene	ND	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Acenaphthene	ND	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Acenaphthylene	ND	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Anthracene	ND	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benz(a)anthracene	4.1	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(a)pyrene	4.5	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	3.9	0.22	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	2.4	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	3.9	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Chrysene	4.2	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	0.51	0.33	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Fluoranthene	7.5	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Fluorene	ND	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	2.8	0.22	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Naphthalene	0.72	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Phenanthrene	2.3	0.33	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Pyrene	6.2	0.55	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
QA/QC Surrogates								
% 2-Fluorobiphenyl	61		%	1	02/19/19	KCA	30 - 130 %	
% Nitrobenzene-d5	57		%	1	02/19/19	KCA	30 - 130 %	
% Terphenyl-d14	23		%	1	02/19/19	KCA	30 - 130 %	3

3 = This parameter exceeds laboratory specified limits.

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:

This sample was not collected in accordance with EPA method 5030. NELAC requires the laboratory to qualify the volatile data as biased low.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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

Phyllis Shiller, Laboratory Director
February 21, 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

Analysis Report

February 21, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/14/19	12:38
Location Code:	ENVIROTR	Received by:	CP	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52883
Phoenix ID: CC52885

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-05

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/18/19	CPP	SW6010D
Filtration	Completed				02/15/19	AG	0.45um Filter
Semi-Volatile Extraction	Completed				02/15/19	P/DQ	SW3520C
Dissolved Metals Preparation	Completed				02/15/19	AG	SW3005A
Volatiles- Stars/CP-51							
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Benzene	1.2	0.70	ug/L	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	1.2	1.0	ug/L	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Toluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Total Xylenes	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	96		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	100		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-05

Phoenix I.D.: CC52885

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Semivolatiles by SIM, PAH							
2-Methylnaphthalene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Acenaphthene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Acenaphthylene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Anthracene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Benz(a)anthracene	ND	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Benzo(a)pyrene	ND	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.21	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Chrysene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.32	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Fluoranthene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Fluorene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.21	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Naphthalene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Phenanthrene	ND	0.32	ug/L	1	02/19/19	KCA	SW8270D (SIM)
Pyrene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	80		%	1	02/19/19	KCA	30 - 130 %
% Nitrobenzene-d5	73		%	1	02/19/19	KCA	30 - 130 %
% Terphenyl-d14	50		%	1	02/19/19	KCA	30 - 130 %

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:

This sample was not collected in accordance with EPA method 5030. NELAC requires the laboratory to qualify the volatile data as biased low.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 21, 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

Analysis Report

February 21, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/14/19	14:00
Location Code:	ENVIROTR	Received by:	CP	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52883
Phoenix ID: CC52886

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-08

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead (Dissolved)	0.004	0.002	mg/L	1	02/18/19	CPP	SW6010D
Filtration	Completed				02/15/19	AG	0.45um Filter
Semi-Volatile Extraction	Completed				02/15/19	P/DQ	SW3520C
Dissolved Metals Preparation	Completed				02/15/19	AG	SW3005A
Volatiles- Stars/CP-51							
1,2,4-Trimethylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
Benzene	ND	3.5	ug/L	5	02/19/19	HM	SW8260C
Ethylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
Isopropylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
m&p-Xylene	ND	10	ug/L	5	02/19/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
Naphthalene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
n-Butylbenzene	5.4	5.0	ug/L	5	02/19/19	HM	SW8260C
n-Propylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
o-Xylene	ND	10	ug/L	5	02/19/19	HM	SW8260C
p-Isopropyltoluene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
sec-Butylbenzene	11	5.0	ug/L	5	02/19/19	HM	SW8260C
tert-Butylbenzene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
Toluene	ND	5.0	ug/L	5	02/19/19	HM	SW8260C
Total Xylenes	ND	10	ug/L	5	02/19/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4 (5x)	103		%	5	02/19/19	HM	70 - 130 %
% Bromofluorobenzene (5x)	101		%	5	02/19/19	HM	70 - 130 %
% Dibromofluoromethane (5x)	97		%	5	02/19/19	HM	70 - 130 %
% Toluene-d8 (5x)	103		%	5	02/19/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-08

Phoenix I.D.: CC52886

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Acenaphthene	19	3.6	ug/L	1	02/19/19	WB	SW8270D
Acenaphthylene	7.8	3.6	ug/L	1	02/19/19	WB	SW8270D
Anthracene	15	3.6	ug/L	1	02/19/19	WB	SW8270D
Benz(a)anthracene	5.1	3.6	ug/L	1	02/19/19	WB	SW8270D
Benzo(a)pyrene	3.9	3.6	ug/L	1	02/19/19	WB	SW8270D
Benzo(b)fluoranthene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Benzo(ghi)perylene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Benzo(k)fluoranthene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Chrysene	6.2	3.6	ug/L	1	02/19/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Fluoranthene	19	3.6	ug/L	1	02/19/19	WB	SW8270D
Fluorene	26	3.6	ug/L	1	02/19/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Naphthalene	ND	3.6	ug/L	1	02/19/19	WB	SW8270D
Phenanthrene	11	3.6	ug/L	1	02/19/19	WB	SW8270D
Pyrene	34	3.6	ug/L	1	02/19/19	WB	SW8270D
QA/QC Surrogates							
% 2-Fluorobiphenyl	66		%	1	02/19/19	WB	30 - 130 %
% Nitrobenzene-d5	113		%	1	02/19/19	WB	30 - 130 %
% Terphenyl-d14	58		%	1	02/19/19	WB	30 - 130 %

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:

This sample was not collected in accordance with EPA method 5030. NELAC requires the laboratory to qualify the volatile data as biased low.

Volatile Comment:
Elevated reporting limits for volatiles due to dilution for sample matrix. The sample vial appears to have an oily residue inside the cap and vial.

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

Phyllis Shiller, Laboratory Director
February 21, 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

Analysis Report

February 21, 2019

FOR: Attn: Jeff Bohlen
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		02/14/19	15:26
Location Code:	ENVIROTR	Received by:	CP	02/15/19	14:58
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC52883
Phoenix ID: CC52887

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Lead (Dissolved)	< 0.002	0.002	mg/L	1	02/18/19	CPP	SW6010D
Filtration	Completed				02/15/19	AG	0.45um Filter
Semi-Volatile Extraction	Completed				02/15/19	P/DQ	SW3520C
Dissolved Metals Preparation	Completed				02/15/19	AG	SW3005A
Volatiles- Stars/CP-51							
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Benzene	ND	0.70	ug/L	1	02/16/19	HM	SW8260C
Ethylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Isopropylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
m&p-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	1.2	1.0	ug/L	1	02/16/19	HM	SW8260C
Naphthalene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
n-Propylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
o-Xylene	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
p-Isopropyltoluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
sec-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
tert-Butylbenzene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Toluene	ND	1.0	ug/L	1	02/16/19	HM	SW8260C
Total Xylenes	ND	2.0	ug/L	1	02/16/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	02/16/19	HM	70 - 130 %
% Bromofluorobenzene	98		%	1	02/16/19	HM	70 - 130 %
% Dibromofluoromethane	96		%	1	02/16/19	HM	70 - 130 %
% Toluene-d8	103		%	1	02/16/19	HM	70 - 130 %

Project ID: 46-81 METROPOLITAN AVE, RIDGEWOOD NY
Client ID: GP-10

Phoenix I.D.: CC52887

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Semivolatiles by SIM, PAH								
2-Methylnaphthalene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Acenaphthene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Acenaphthylene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Anthracene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benz(a)anthracene	1.0	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(a)pyrene	0.71	0.11	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	1.1	0.21	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	0.81	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	1.0	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Chrysene	1.1	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.32	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Fluoranthene	2.0	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Fluorene	ND	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.91	0.21	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Naphthalene	0.55	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Phenanthrene	1.5	0.32	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
Pyrene	1.3	0.53	ug/L	1	02/19/19	KCA	SW8270D (SIM)	
QA/QC Surrogates								
% 2-Fluorobiphenyl	56		%	1	02/19/19	KCA	30 - 130 %	
% Nitrobenzene-d5	48		%	1	02/19/19	KCA	30 - 130 %	
% Terphenyl-d14	23		%	1	02/19/19	KCA	30 - 130 %	3

3 = This parameter exceeds laboratory specified limits.

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:

This sample was not collected in accordance with EPA method 5030. NELAC requires the laboratory to qualify the volatile data as biased low.

Semi-Volatile Comment:
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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

Phyllis Shiller, Laboratory Director
February 21, 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

QA/QC Report

February 21, 2019

QA/QC Data

SDG I.D.: GCC52883

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 467153 (mg/L), QC Sample No: CC52805 (CC52883, CC52884, CC52885, CC52886, CC52887)													
ICP Metals - Dissolved													
Lead	BRL	0.002	<0.002	<0.002	NC	95.2			96.4			75 - 125	20

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 21, 2019

QA/QC Data

SDG I.D.: GCC52883

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 467151 (ug/L), QC Sample No: CC52090 (CC52883, CC52884, CC52885, CC52886, CC52887)										
Semivolatiles by SIM, PAH - Ground Water										
2-Methylnaphthalene	ND	0.50	70	82	15.8				30 - 130	20
Acenaphthene	ND	0.50	89	88	1.1				30 - 130	20
Acenaphthylene	ND	0.30	84	82	2.4				30 - 130	20
Anthracene	ND	0.50	91	87	4.5				30 - 130	20
Benz(a)anthracene	ND	0.05	84	80	4.9				30 - 130	20
Benzo(a)pyrene	ND	0.10	82	75	8.9				30 - 130	20
Benzo(b)fluoranthene	ND	0.07	87	83	4.7				30 - 130	20
Benzo(ghi)perylene	ND	0.48	79	83	4.9				30 - 130	20
Benzo(k)fluoranthene	ND	0.30	93	88	5.5				30 - 130	20
Chrysene	ND	0.50	88	86	2.3				30 - 130	20
Dibenz(a,h)anthracene	ND	0.10	96	97	1.0				30 - 130	20
Fluoranthene	ND	0.50	90	86	4.5				30 - 130	20
Fluorene	ND	0.50	94	91	3.2				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.10	81	84	3.6				30 - 130	20
Naphthalene	ND	0.50	63	77	20.0				30 - 130	20
Phenanthrene	ND	0.06	84	82	2.4				30 - 130	20
Pyrene	ND	0.50	89	85	4.6				30 - 130	20
% 2-Fluorobiphenyl	69	%	76	78	2.6				30 - 130	20
% Nitrobenzene-d5	69	%	71	77	8.1				30 - 130	20
% Terphenyl-d14	73	%	83	79	4.9				30 - 130	20

Comment:

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

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

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 467266 (ug/L), QC Sample No: CC51902 (CC52884, CC52885, CC52887)										
Volatiles - Ground Water										
1,2,4-Trimethylbenzene	ND	1.0	103	103	0.0	113	120	6.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	104	104	0.0	112	120	6.9	70 - 130	30
Benzene	ND	0.70	102	101	1.0	112	122	8.5	70 - 130	30
Ethylbenzene	ND	1.0	107	103	3.8	116	124	6.7	70 - 130	30
Isopropylbenzene	ND	1.0	104	102	1.9	115	120	4.3	70 - 130	30
m&p-Xylene	ND	1.0	105	103	1.9	116	123	5.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	95	96	1.0	99	108	8.7	70 - 130	30
Naphthalene	ND	1.0	117	114	2.6	114	127	10.8	70 - 130	30
n-Butylbenzene	ND	1.0	109	107	1.9	117	120	2.5	70 - 130	30
n-Propylbenzene	ND	1.0	103	103	0.0	114	118	3.4	70 - 130	30
o-Xylene	ND	1.0	109	104	4.7	117	123	5.0	70 - 130	30
p-Isopropyltoluene	ND	1.0	108	106	1.9	116	120	3.4	70 - 130	30
sec-Butylbenzene	ND	1.0	112	111	0.9	122	128	4.8	70 - 130	30
tert-Butylbenzene	ND	1.0	108	104	3.8	117	123	5.0	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	99	103	4.0	112	120	6.9	70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	101	101	0.0	102	99	3.0	70 - 130	30
% Bromofluorobenzene	98	%	102	102	0.0	101	100	1.0	70 - 130	30
% Dibromofluoromethane	102	%	100	99	1.0	98	98	0.0	70 - 130	30
% Toluene-d8	99	%	98	100	2.0	98	98	0.0	70 - 130	30

Comment:

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

QA/QC Batch 467420 (ug/L), QC Sample No: CC53035 (CC52883 (50X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	104	107	2.8				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	107	107	0.0				70 - 130	30
Benzene	ND	0.70	105	110	4.7				70 - 130	30
Ethylbenzene	ND	1.0	107	108	0.9				70 - 130	30
Isopropylbenzene	ND	1.0	104	105	1.0				70 - 130	30
m&p-Xylene	ND	1.0	107	106	0.9				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	90	92	2.2				70 - 130	30
Naphthalene	ND	1.0	107	109	1.9				70 - 130	30
n-Butylbenzene	ND	1.0	107	110	2.8				70 - 130	30
n-Propylbenzene	ND	1.0	104	103	1.0				70 - 130	30
o-Xylene	ND	1.0	109	108	0.9				70 - 130	30
p-Isopropyltoluene	ND	1.0	107	107	0.0				70 - 130	30
sec-Butylbenzene	ND	1.0	112	115	2.6				70 - 130	30
tert-Butylbenzene	ND	1.0	107	107	0.0				70 - 130	30
Toluene	ND	1.0	102	106	3.8				70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	101	98	3.0				70 - 130	30
% Bromofluorobenzene	97	%	99	98	1.0				70 - 130	30
% Dibromofluoromethane	102	%	101	105	3.9				70 - 130	30
% Toluene-d8	102	%	98	99	1.0				70 - 130	30

Comment:

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

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

QA/QC Batch 467568 (ug/L), QC Sample No: CC53631 (CC52886 (5X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	1.0	106	104	1.9	113	113	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	108	105	2.8	114	118	3.4	70 - 130	30
Benzene	ND	0.70	106	108	1.9	117	118	0.9	70 - 130	30
Ethylbenzene	ND	1.0	107	110	2.8	119	123	3.3	70 - 130	30
Isopropylbenzene	ND	1.0	105	107	1.9	116	117	0.9	70 - 130	30
m&p-Xylene	ND	1.0	106	110	3.7	118	119	0.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	91	0.0	90	91	1.1	70 - 130	30
Naphthalene	ND	1.0	114	107	6.3	113	113	0.0	70 - 130	30
n-Butylbenzene	ND	1.0	112	110	1.8	121	122	0.8	70 - 130	30
n-Propylbenzene	ND	1.0	107	106	0.9	117	118	0.9	70 - 130	30
o-Xylene	ND	1.0	106	111	4.6	119	118	0.8	70 - 130	30
p-Isopropyltoluene	ND	1.0	109	108	0.9	119	120	0.8	70 - 130	30
sec-Butylbenzene	ND	1.0	115	113	1.8	126	125	0.8	70 - 130	30
tert-Butylbenzene	ND	1.0	108	109	0.9	118	120	1.7	70 - 130	30
Toluene	ND	1.0	105	108	2.8	118	118	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	101	98	3.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	95	%	99	98	1.0	99	100	1.0	70 - 130	30
% Dibromofluoromethane	101	%	99	103	4.0	101	98	3.0	70 - 130	30

QA/QC Data

SDG I.D.: GCC52883

Parameter	Blank	Blk RL		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Toluene-d8	101	%		99	99	0.0	101	99	2.0	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%.

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
February 21, 2019

Thursday, February 21, 2019

Criteria: None

State: NJ

Sample Criteria Exceedances Report

GCC52883 - ENVIROTR

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

February 21, 2019 SDG I.D.: GCC52883

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Cooler: Yes ☐ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 1.3 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
☐ Fax:
☐ Phone:
☑ Email: JeffB@Envirotrac.com

Customer: Envirotrac LTD
Address: 5 Old Dock Rd
Yaphank N.Y 11980

Project: 46-81 Metropolitan Ave Ridgewood ny Project P.O:
Report to: Jeff Bohler
Invoice to: Jeff Bohler

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 2/14/19

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	(CP-51) 5VOCs	(CP-51) VOCs	D:Solved lead	Soil VOA Vials [ ] Methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [X] 250ml [X] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
52883	GP-01	GW	2/14/19	9:30	X	X	X				(3)	3	4				
52884	GP-04	GW	2/14/19	11:50	X	X	X				(3)	3	4				
52885	GP-05	GW	2/14/19	12:38	X	X	X				(3)	3	4				
52886	GP-08	GW	2/14/19	14:00	X	X	X				(3)	3	4				
52887	GP-10	GW	2/14/19	15:26	X	X	X				(3)	3	4				

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2/14/19	17:30
	[signature]	2-15-19	14:58

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

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

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

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

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

Comments, Special Requirements or Regulations:
* 1dB to filter lead sample *
* need Results By 2/20/19 A.M *

State where samples were collected: NY