PHASE II ENVIRONMENTAL SITE ASSESSMENT

Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York 11215

Report Date:

April 12, 2013

Prepared By:

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A Full Service Environmental Consulting and Contracting Firm

The following personnel have prepared and/or reviewed this report for accuracy, content and quality of presentation:

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York 11215

Jeffrey A. Bohlen
Principal Geologist

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Project Environmental Scientist

April 12, 2013

Date

EnviroTrac
Environmental Services

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1.0 INTRODUCTION

EnviroTrac Ltd. (EnviroTrac) has conducted a Phase II Environmental Site Assessment (ESA) at the Verizon New York, Inc. (Verizon) facility located at 318 Nevins Street, Brooklyn, New York 11215, herein referred to as the Property. The scope of work for the Phase II ESA was developed to investigate the following seven (7) recognized environmental conditions (RECs) identified in the Phase I ESA completed by Cardno ATC of New York, New York, dated December 19, 2012:

1. Soil and groundwater contamination was discovered as part of a subsurface investigation in 1992 and as a result New York State Department of Environmental Conservation (NYSDEC) Spill Number 9207367 was issued for the Property on September 24, 1992. The soil and groundwater contamination has been discovered in the area of the former USTs and along the south side of Union Street. Investigations and remediation activities have been conducted at the Property from 1992 to present consisting of a groundwater monitoring program, Oxygen Releasing Material (ORM) injections, and Enhanced Fluid Recovery (EFR) events. The remediation program is ongoing and currently, the quarterly groundwater monitoring program has been modified and sampling is required of the off-site groundwater monitoring wells and the on-site groundwater monitoring wells annually. The spill case remains open and the remediation is on-going, therefore, Cardno ATC considers the open spill case and on-going remediation to represent a *recognized environmental condition*.

2. A former 550-gallon waste oil UST was closed in-place in the parts storage area of the motor service area in the northern portion of the building in 1993. According to the *Underground Storage Tank Closures Report,* prepared by Lexicon Environmental Associates, Inc. (Lexicon), dated August 22, 1994, several of the polycyclic aromatic hydrocarbon (PAH) compounds exceeded the NYSDEC TCLP Extraction Alternative Guidance Values for fuel oil contaminated soils (Table 1 presenting concentration values was not included in the report). The report states no BTEX, volatile organic compounds (VOCs), or MTBE

concentrations. No information regarding additional investigations/assessments of the area was provided. The closed 550-gallon waste oil UST is considered to represent a *recognized environmental condition*.

3. The report entitled *Summary of EPA Gowanus Canal Remedial Investigation of Verizon New York Inc. Facility, 318 Nevins Street, Brooklyn, NY, NYSDEC Spill Number 92-07367,* prepared by EnviroTrac, dated June 8, 2011, documents a former sewer outfall and oil/water separator outfall that historically discharged into the Gowanus Canal. The sewer outfall was identified as an 18-inch diameter pipe and the oil/water separator outfall was identified with a 4-inch diameter pipe. The pipes are no longer visible and it is presumed that the outfalls were abandoned when the bulkhead along the Gowanus Canal was replaced in 1999. According to the NYCDEP Brooklyn Sewer Map for the area dated August 21, 2008, there is a dashed line that traverses the central portion of the Property from the intersection of Nevins Street and President Street and ends at the Gowanus Canal. The dashed line indicates sewer service and based on the review NYCDEP Brooklyn Sewer Map is connected to a larger system in the area. No additional information regarding the outfalls was provided. EnviroTrac opined that "It appears that these findings are indicative of another source and not related to the ongoing monitoring and remedial work associated with the former USTs at the Subject Property". Potential sources include the sewer piping that discharged to the canal (RH-306) and/or historical land use (i.e., coal/lumber yard). Additionally, it is unknown if the sewer outfall and oil/water separator outfall were properly abandoned/sealed when the bulkhead was replaced by the property owner in 1999. If not properly abandoned/sealed, wastewater may be directed to subsurface soils and/or groundwater. Based on the lack of information including the absence of closure/abandonment activities associated with the outfalls, Cardno ATC considers the former sewer outfall and oil/water separator outfall to represent a *recognized environmental condition*.

4. The Gowanus Canal is located on the National Priority List (NPL), CERCLIS, Primary Responsible Party (PRP) databases. The Gowanus Canal is located on the NPL database, also known as Superfund, which is a subset of CERCLIS and

identifies sites for priority cleanup under the Superfund program and is administered by the U.S. Environmental Protection Agency (EPA). The Gowanus Canal is listed on the CERCLIS database with the site description "The Gowanus Canal runs through a highly developed area in Brooklyn, New York and is impacted by contaminated sediments, principally due to the activities of former Manufactured Gas Plants (MPGs). Surface sediments contain PCBs at levels up to 350 ppm, and coal tar residue up to 23% by weight of sample." According to the CERCLIS listing, remedial investigations have been performed along the Gowanus Canal and Primary Responsible Parties (PRPs) have been identified and have conducted these investigations. The database report identifies the following PRPs: Amerada Hess Corp., Brink's Inc., Chemtura Corp., Cibro Petroleum Products Inc., Honeywell International, Inc., Joyce A. Kjellgren, Kraft Foods Global, Inc., National Grid USA, New York City, Rapid American Corp., Stauffer Management Co., and US Navy. Although there are PRPs identified, the presence of the Gowanus Canal on the NPL database and the reported contamination is considered to represent a *recognized environmental condition*.

5. The Property appears to have been developed as early as 1886 as a lumber yard and two (2) dwellings. The Property remains developed as a lumber yard from 1886 until 1922 when the Property was developed as Koppers Seaboard Coke Co. and Brooklyn Nevins Coal Company. In 1938, the Property was depicted with two (2) garages along Nevins Street, a dwelling, additional buildings along Nevins Street, and a shed and conveyor system located on the central and northern portions of the Property associated with Koppers Seaboard Coke Co. and several buildings including offices, scales, sheds, and four (4) circular aboveground structures located on the southern portion of the Property associated with Morton Coal Co. There is a gasoline tank depicted on the southern portion of the Property associated with Morton Coal Company and a gasoline tank depicted on the northern portion of the Property associated with Kopper Seaboard Coke Co. The gasoline tank on the southern portion of the Property was no longer depicted on the 1950 Fire Insurance Map and the gasoline tank on the northern portion of the Property was no longer depicted on

the 1969 Fire Insurance Map. The Property building was constructed in 1958 as a motor freight station and was identified as NY Telephone Co. in 1979, Bell Atlantic in 2001, and Verizon in 2002. The surrounding properties have been developed as lumber yard, coal yards, manufacturing, commercial, and dwellings from 1886 through 2007. Some of the specific property usage includes the oil and gasoline storage, auto repair, auto wrecking, truck repair, warehouses, foundry, garage, plastics manufacturing, factories, dry color manufacturing, and commercial and manufacturing facilities. Historical usage of the Property and surrounding properties appear to be a *recognized environmental condition*.

6. ATC observed two (2) aboveground hydraulic lifts in the motor service area of the Property building. The lifts have an aboveground hydraulic tank. According to Mr. Thomas Bosshard, the two (2) aboveground lifts replaced two (2) removed underground lifts. No other information was provided regarding the underground lifts. No releases have been reported in connection with the current aboveground lifts. The aboveground hydraulic lifts do not appear to be a *recognized environmental condition*; however, the former underground lifts are considered a *recognized environmental condition* because there is no assessment information and the lifts likely had underground components that contained hydraulic oil.

7. Cardno ATC observed two (2) “stormwater drains” located in the eastern portion of the asphalt paved parking lot. It is not known whether these “stormwater drains” are drywells or catch basins that are connected to the municipal combined sanitary and stormwater sewer system. During the Property reconnaissance, Cardno ATC observed the “stormwater drains” to be full of water with no lateral pipes observed that would be indicative of catch basins diverting water to a lateral line. In addition, Cardno ATC was provided a copy of a NYCDEP Brooklyn Sewer Map for the area dated August 21, 2008. The NYCDEP Brooklyn Sewer Map does not show these drains connected to the sewer system on the map. Based on the absence of laterals, since they are not shown on the NYCDEP Brooklyn Sewer Map, and based on conversations with Mr. Bosshard during the Property reconnaissance, the “stormwater drains” are considered to be drywells with the point of discharge at the base of the drywell.

Also, the August 13, 2011 Hydro Tech ESA identifies them as drywells. A slight sheen was observed in the southern drywell (in front of parking space 17). The August 13, 2011 Hydro Tech ESA reported a petroleum sheen in each of the drywells and Hydro Tech considered them to represent a *recognized environmental condition*. According to Mr. Bosshard, Hydro Tech subsequently performed a Phase II ESI that included sampling the contents of the drywells. Results of the Hydro Tech Phase II ESI were not shared with Verizon. Based on the sheen in the southern drywell, the on-site discharge point, and the reported sampling by others, the drywells are considered to represent a *recognized environmental condition*.

2.0 PHASE II ESA

Figure 1 is an annotated 7.5 minute series United States Geological Survey (USGS) quadrangle map (Brooklyn, NY) showing the site location, surface topography, drainage patterns and cultural features. The elevation of the subject property is approximately 7 feet above mean sea level. An Aerial Photograph depicting the Property and surrounding area is enclosed as Figure 2 and a Site Plan is enclosed as Figure 3.

Photographs of the Property and Phase II ESA activities are included in Appendix A.

2.1 Geophysical Investigation

On February 5 and 20, 2013, NAEVA Geophysics, Inc. (NAEVA) of Congers, New York, under the direction of EnviroTrac, conducted a geophysical investigation in select areas at the Property that included the use of a metal detector, ground penetrating radar (GPR) and utility toning equipment. NAEVA completed the following tasks as part of their investigation:

- Delineated a suspected waste oil underground storage tank (UST), an oil/water separator system and a former hydraulic system that was expected to exist or have formerly existed under the garage floor. Note that no evidence of a former hydraulic lift system was identified.

- Locate and mark two (2) subsurface lines that may have once discharged to the adjoining Gowanus Canal.

- Inspect the interiors of two (2) catch basins to determine if they are drywells and may have any overflow drywells associated with them. Note that the catch basins were determined to be solid structures which connect to the municipal sewer system and no overflow drywells were discovered.

A copy of the geophysical investigation report completed by NAEVA is supplied as Appendix B.

2.2 Soil Boring Samples

Following NAEVA's initial geophysical investigation on February 4, 2013, EnviroTrac returned to the Property on February 7, 2013 to further investigate the RECs identified in the Phase I ESA with a soil boring program. EnviroTrac directed a Geoprobe® direct-push technology mobile drill rig operated by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York to install soil borings GP-1 through GP-7 at the locations depicted on Figure 3. Soil lithology, photo-ionization detector (PID) readings and other observations were logged by EnviroTrac. Soil borings logs are included in Appendix C.

A summary of each soil boring location is provided below:

- GP-1 was installed on the western border of the Property near the inferred terminus point of a possible former oil/water separator outfall to the Gowanus Canal.

- GP-2 was installed in the area where the toning signal terminated for the piping associated with the oil/water separator.

- GP-3 through GP-7 were installed within the garage area to investigate several concrete patches. Specifically, GP-6 and GP-7 were installed proximate to the closed in-place waste oil UST and the remaining borings were installed within various concrete patches to investigate potential former hydraulic lift areas.

Soil samples were collected from each soil boring at variable intervals indicated in the soil boring logs (Appendix C). Urban fill evidenced by pieces of brick, glass, ash and organics was noted at all boring locations. A total of seven (7) soil samples were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix Labs), a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory under proper chain-of-custody procedures. All samples were submitted for analysis of CP-51

List VOCs and semi-volatile organic compounds (SVOCs) using respective USEPA Methods 8260 and 8270.

2.2.1 Summary of Analytical Results from Soil Samples GP-1 through GP-7

Analytical results from the soil samples are summarized in Table 1 and were compared to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs). Based on the analytical results, select SVOCs were detected at all seven (7) soil samples at concentrations exceeding UUSCOs, with the highest concentrations detected at GP-3. VOCs were not detected at concentrations exceeding UUSCOs in any of the soil samples. A copy of the laboratory report is provided in Appendix D. Based on the SVOC detections at GP-3, Verizon notified the NYSDEC Spills Hotline who then assigned Spill 12-15931 to the incident on February 27, 2013.

EnviroTrac documented the subsequent excavation of GP-3 and endpoint sampling results in a Request for Spill Closure letter, dated April 11, 2013 that was submitted to the NYSDEC (Appendix E).

3.0 SUMMARY AND PROFESSIONAL OPINION

The findings of the Phase II ESA and recent work provided the following information in connection with the seven (7) RECs as described below:

1. Cardno ATC considers open Spill Number 9207367 and on-going remediation to represent a *recognized environmental condition*.

EnviroTrac, on behalf of Verizon, submitted an Additional Remedial Work Plan for Spill Number 92-07367 to the NYSDEC on January 31, 2013. The NYSDEC subsequently approved the Additional Remedial Work Plan in a letter dated February 1, 2013. The Additional Remedial Work Plan and NYSDEC approval letter are provided in Appendix F.

The Additional Remedial Work Plan was implemented in February 2013 and included excavation of soil from the vicinity of monitoring well MW-8 and the application of RegenOx™ and ORC Advanced® to the excavation. Additionally, the existing on-site monitoring wells were properly abandoned and post-excavation soil samples collected from the excavation. Groundwater monitoring will be performed and reported on a quarterly basis. The next quarterly Update Report will summarize the findings of the additional remedial work and the results of off-site groundwater monitoring will be continually evaluated for the request of spill closure.

2. The closed 550-gallon waste oil UST is considered to represent a *recognized environmental condition*.

The geophysical investigation identified the location of the former waste oil UST and borings GP-6 and GP-7 were installed proximate to the UST. Based on the analytical results from soil samples GP-6 and GP-7, select SVOCs were detected at concentrations exceeding NYSDEC UUSCOs. However, SVOC detections were consistent throughout the urban fill identified at the Property and previous soil sampling conducted at the time of UST closure by Lexicon in 1993. VOCs were not detected at concentrations exceeding UUSCOs. Given that the tank appears to have been properly

abandoned by Lexicon (i.e., contents removed, tank cleaned and filled with concrete slurry) and the detection of SVOCs appears associated with urban fill throughout the site, EnviroTrac recommends no further action in reference to the waste oil UST.

3. Cardno ATC considers the former suspected sewer outfall and oil/water separator outfall to represent a *recognized environmental condition*.

Pipes are not visible at the canal and it is presumed that if there were outfalls, they were abandoned when the bulkhead along the Gowanus Canal was replaced in 1999 by the property owner. Borings GP-1 and GP-2 were installed at suspected terminus points of the oil/water separator piping. Based on the analytical results from soil samples GP-1 and GP-2, select SVOCs were detected at concentrations exceeding NYSDEC UUSCOs and VOCs were not detected at concentrations exceeding UUSCOs. Again, SVOC concentrations were consistent with the urban fill identified at the Property. If the oil/water separator is be used in the future, EnviroTrac recommends that the capping of the discharge piping at the oil/water separator be confirmed and/or connected to the municipal sewer.

Given that the municipal sewer outfall is operated by the New York City Department of Environmental Protection (NYCDEP), it should be within their jurisdiction to determine the functionality of the municipal sewer traversing the property.

4. The presence of the Gowanus Canal on the NPL database and the reported contamination is considered to represent a *recognized environmental condition*.

EnviroTrac concludes that this will remain a *recognized environmental condition* for the Property. The USEPA has provided a website to update the public on the current status of the Gowanus Canal project.

The URL is http://www.epa.gov/region2/superfund/npl/gowanus/

5. Historical usage of the Property and surrounding properties appear to be a *recognized environmental condition*.

EnviroTrac concludes that this will remain a *recognized environmental condition* for the Property. Urban fill was identified at each Phase II ESA boring location and select SVOCs were detected at all seven (7) soil samples at concentrations exceeding UUSCOs. The suspected source of detected SVOCs at the boring locations is urban fill as evidenced by pieces of brick, glass, rope, ash and organics within the soil borings and GP-3 excavation.

6. The former underground lifts are considered a *recognized environmental condition* because there is no assessment information and the lifts likely had underground components that contained hydraulic oil.

No underground hydraulic lifts were identified during the geophysical investigation, installation of soil borings and excavation of GP-3. The suspected source of detected SVOCs at the boring locations within the garage area is urban fill. As such, EnviroTrac recommends no further action in reference to the reported former underground lifts. Note that EnviroTrac documented the excavation of GP-3 and end-point soil sampling results in a Request for Spill Closure letter, dated April 11, 2013 that was submitted to the NYSDEC.

7. The drywells are considered to represent a *recognized environmental condition*.

The drywells were confirmed to be catch basins constructed of a solid concrete bottom and sidewalls with an interconnecting pipe to the municipal storm sewer. No overflow drywells were identified during the geophysical investigation. The bottom sediments were removed from the catch basins by AARCO, Verizon's waste contractor, on February 28, 2013 and properly disposed. A copy of the waste manifests is included in Appendix G. At this time, EnviroTrac recommends no further action in reference to the catch basins.

Figures

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TOPOGRAPHIC MAP

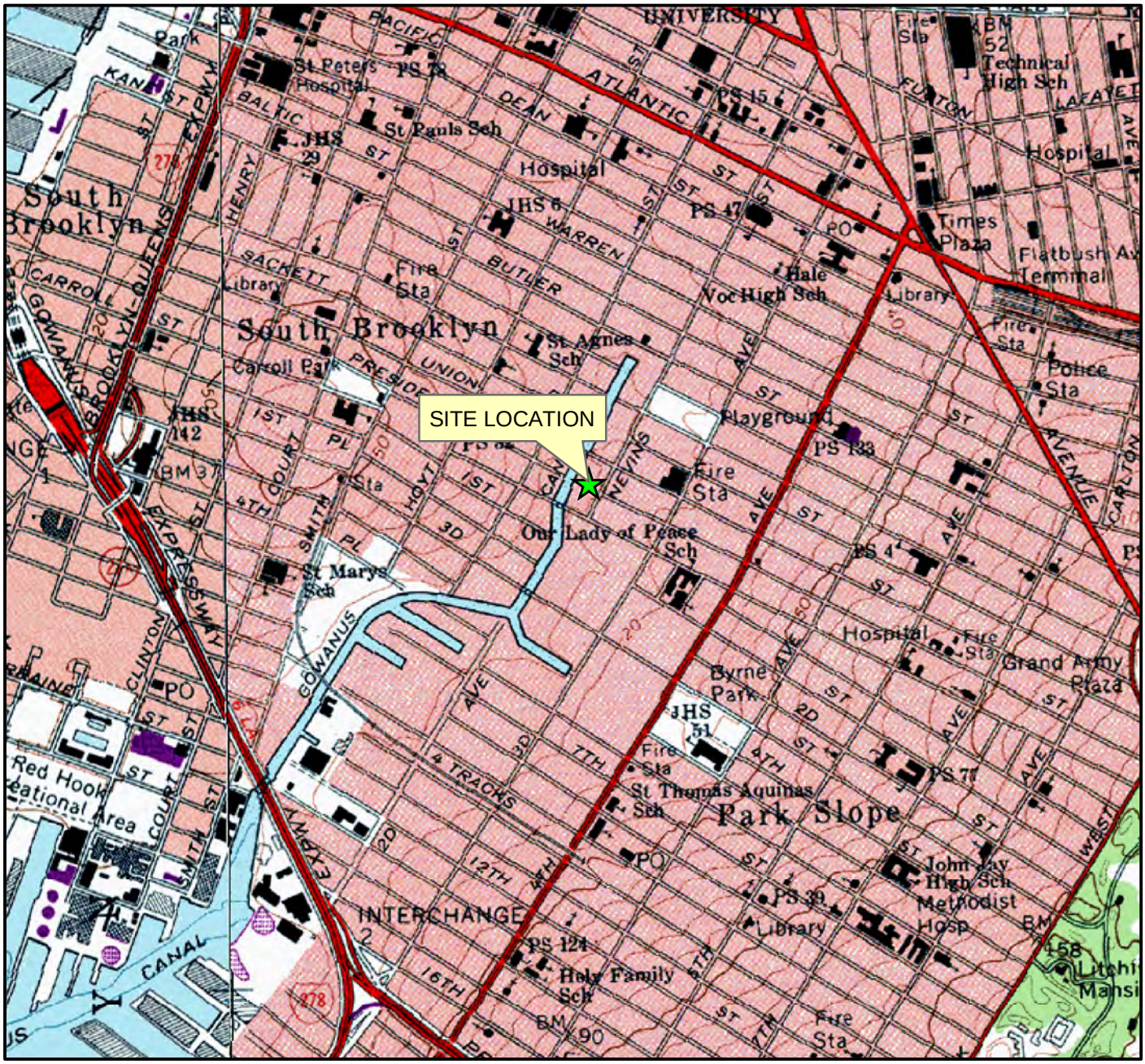

Figure 1
Topographic Map

Verizon New York Facility
318 Nevins Street
Brooklyn, NY

USGS Quad:
Brooklyn

Site Elevation:
7 Feet

N
W E
S

EnviroTrac
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AERIAL PHOTOGRAPH

Figure 2
Aerial Photograph

Verizon New York Facility
318 Nevins Street
Brooklyn, NY

N
W E
S

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GOWANUS CANAL

UNION STREET

LEGEND

- SOIL BORING

NAEVA GEOPHYSICS INC FINDINGS:

- e — ELECTRIC LINE
- w — WATER LINE
- st — STORM SEWER
- ss — SANITARY SEWER
- g — UST LEVEL LINE
- ? — SUSPECTED UTILITY
- CHAIN FENCE
- MANHOLE COVER
- SEWER CLEANOUT
- ELECTRIC CONDUIT
- WATER MANHOLE
- ROOF DRAIN
- RC — REINFORCED CONCRETE
- CATCH BASIN

GP-1

ss

ASPHALT PATCH; FORMER LOCATION OF USTs AND DISPENSERS

GP-2

INFERRED WASTE OIL PIPING

st

sewer vents

TRENCH DRAIN

GP-5

CONCRETE PATCH

RC

PATCH

GP-4

GP-3

CONCRETE PATCH

stairs

GP-6

CONCRETE PATCH

GP-7

CLOSED IN-PLACE WASTE OIL UST

UST LEVEL INDICATOR ON WALL

BUILDING

stairs

CATCH BASIN #1

CATCH BASIN #2

NEVINS STREET

north

0 FT 15

APPROXIMATE SCALE

EnviroTrac ENVIRONMENTAL SERVICES 5 Old Dock Road, Yaphank, NY 11980 PHONE: (631)924-3001 FAX: (631)924-5001	REVISION DATE: MARCH 27, 2013	SCALE: 1" = 15 FEET	REVISED BY: TB

FORMER VERIZON FACILITY
318 NEVINS STREET
BROOKLYN, NY

SITE PLAN

FIGURE # 3

Tables

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Table 1

Summary of Soil Boring Samples for VOC and SVOC Analysis

Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York

Analytical Parameter	GP-1 5-10 FT 2/7/13	GP-2 5-7 FT 2/7/13	GP-3 5-10 FT 2/7/13	GP-4 5-10 FT 2/7/13	GP-5 5-10 FT 2/7/13	GP-6 5-7 FT 2/7/13	GP-7 5 FT 2/7/13	NYSDEC Part 375 UUSCOs
CP-51 VOCs 8260 (ppb)								
1,2,4-Trimethylbenzene	2.6	ND	ND	1.7	ND	ND	1.9	**3,600**
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	**8,400**
Benzene	ND	ND	ND	ND	ND	ND	ND	**60**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**1,000**
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	**2,300**
m&p-Xylene	4.5	ND	ND	ND	ND	ND	2.5	**260**
Methyl tert-butyl ether (MTBE)	ND	2	ND	ND	ND	ND	ND	**930**
Naphthalene	1.9	ND	ND	ND	ND	1.3	4.4	**12,000**
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**12,000**
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	**3,900**
o-Xylene	ND	ND	ND	ND	ND	ND	ND	**260**
p-Isopropyltoluene	ND	ND	ND	ND	47	ND	ND	**10,000***
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**11,000**
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**5,900**
Toluene	ND	ND	ND	ND	ND	ND	ND	**700**
Total Xylenes	4.5	ND	ND	ND	ND	ND	2.5	**260**
Analytical Parameter	**GP-1 5-10 FT 2/7/13**	**GP-2 5-7 FT 2/7/13**	**GP-3 5-10 FT 2/7/13**	**GP-4 5-10 FT 2/7/13**	**GP-5 5-10 FT 2/7/13**	**GP-6 5-7 FT 2/7/13**	**GP-7 5 FT 2/7/13**	**NYSDEC Part 375 UUSCOs**
CP-51 SVOCs 8270 (ppb)								
Acenaphthene	ND	ND	2,000	350	ND	ND	400	**20,000**
Acenaphthylene	ND	ND	1,900	ND	ND	ND	ND	**100,000**
Anthracene	600	560	3,800	750	440	630	970	**100,000**
Benzo(a)anthracene	1,400	1,300	16,000	2,900	2,400	2,300	2,900	**1,000**
Benzo(a)pyrene	1,400	1,300	30,000	3,000	4,100	2,100	2,800	**1,000**
Benzo(b)fluoranthene	1,800	1,700	31,000	3,600	3,600	2,700	3,800	**1,000**
Benzo(ghi)perylene	740	770	8,300	1,500	2,400	1,200	1,300	**100,000**
Benzo(k)fluoranthene	530	430	4,900	1,400	1,000	680	1,100	**800**
Chrysene	1,500	1,400	17,000	2,900	2,200	2,300	2,900	**1,000**
Dibenzo(a,h)anthracene	ND	ND	2,900	450	430	330	540	**330**
Fluoranthene	3,400	3,000	22,000	6,300	4,000	5,000	6,400	**100,000**
Fluorene	ND	ND	1,600	ND	ND	ND	390	**30,000**
Indeno(1,2,3-cd)pyrene	620	690	5,100	1,400	1,600	1,000	1,300	**500**
Naphthalene	ND	ND	560	ND	ND	ND	590	**12,000**
Phenanthrene	2,900	2,500	16,000	3,500	1,900	3,000	4,500	**100,000**
Pyrene	2,900	2,800	23,000	5,800	5,000	4,500	5,300	**100,000**

Notes:
NYSDEC = New York State Department of Environmental Conservation
Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs)
* = Per CP-51 Table 1 Supplemental Soil Cleanup Objectives
CP-51 = NYSDEC Final Commissioner Policy
ppb = parts per billion (ug/Kg)
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
ND = Not Detected above the method detection limit of the laboratory.
Highlighted cells indicate detection at or exceeding NYSDEC Guidelines.

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Appendix A

Photographic Documentation

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Photograph Documentation - Phase II ESA

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 1: Installation of GP-1.

Photograph 2: Urban fill identified at GP-1 consisting of wood, brick and organics.

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Photograph Documentation - Phase II ESA

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 3: Installation of GP-2.

Photograph 4: Urban fill identified at GP-2.

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Photograph Documentation - Phase II ESA

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 5: Installation of GP-3 within concrete patch in garage.

Photograph 6: Urban fill identified at GP-3.

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Photograph Documentation - Phase II ESA
Verizon New York Inc. Facility
318 Nevins Street, Brooklyn, New York

Photograph 7: Installation of GP-4.

Photograph 8: Urban fill identified at GP-4.

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Photograph Documentation - Phase II ESA

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 9: Installation of GP-5.

Photograph 10: Urban fill identified at GP-5.

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Photograph Documentation - Phase II ESA

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 11: Installation of GP-6 proximate to waste oil UST.

Photograph 12: Urban fill identified at GP-6.

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Photograph Documentation - Phase II ESA
Verizon New York Inc. Facility
318 Nevins Street, Brooklyn, New York

Photograph 13: Installation of GP-7 proximate to waste oil UST within caged area of garage.

Photograph 13: Confirmatory boring in catch basin to determine structure has a solid concrete bottom.

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Appendix B

NAEVA Geophysical Investigation Report

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Results of Geophysical Investigation
Former Verizon Facility
Brooklyn, New York

Prepared For:

EnviroTrac, Ltd.
Yaphank, New York 11980

Project Site: **318 Nevins Street**
Brooklyn, NY

Date of Investigation: **February 5 & 20, 2013**

Submitted By:

NAEVA GEOPHYSICS INC.
Subsurface Geophysical Surveys

225 N. Route 303, Suite 102
Congers, New York 10920
845-268-1800

Daniel Latini
Geologist – Project Manager

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1.0 Introduction

On February 5 & 20, 2013, NAEVA Geophysics, Inc. conducted a geophysical investigation at a former Verizon New York facility, which is located at 318 Nevins Street in Brooklyn, New York. The purpose of the investigation was to

1.) Delineate a suspected waste-oil underground storage tank (UST), oil/water separator system, and former hydraulic system that was expected to lie beneath the garage floor.
2.) Locate and mark out two sewer lines that records indicate once discharged to the adjoining Gowanus Canal.
3.) Inspect the interiors of two catch basins to determine whether they have overflow drywells associated with them.

The areas of investigation were an approximately 60 by 60 foot in portion of the garage in the northern end of the building, and two specific exterior areas to investigate for sewers and drywells. The site is bounded on all sides by a chain-link fence, with Nevins Street serving as the entrance way. The garage floor was constructed of reinforced concrete and the exterior were asphalt paved parking lots (see Figure 1).

Figure 1: Approximate areas of investigation (Google)

The property is currently known to be connected to the city's combined sanity sewer and storm sewer system.

2.0 Methods and Instrumentation

The equipment used for this investigation included a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector), a 3M Dynatel 2250 Cable Locator, a Subsite 950 utility locator, and a Sensors & Software Smart Cart ground penetrating radar (GPR) system with a 250 MHz antenna.

2.1 TW-6

The Fisher TW-6 Pipe and Cable Locator, also known as the M-Scope, is a type of hand-held electromagnetic metal-detector. The instrument consists of a transmitter coil and a receiver coil mounted at opposite ends of a 4-foot horizontal staff. The transmitter is fixed in a vertical position. The receiver's orientation is then adjusted to the horizontal, exactly perpendicular to the transmitter. When the receiver is in this perpendicular orientation, its response to the transmitter is at a minimum. Metallic objects in the vicinity of the instrument pick up the transmitted signal and, acting as secondary transmitters, cause detectable interference at the receiver. By adjusting the gain of the instrument as well as its position relative to a buried metallic object, an experienced operator can often obtain information as to the size or shape of the target.

TW-6 metal detector

The TW-6 metal detector was carried bi-directionally over the exterior areas of investigation to search for evidence of buried dry wells, undocumented USTs, and subsurface metallic utilities. The TW-6 could not be used inside the building due to the presence of reinforced concrete (RC), which caused interference to the instrument.

2.2 Ground Penetrating Radar

The Sensors & Software Smart Cart GPR system equipped with a 250 MHz antenna was selected to investigate significant metal-detector anomalies, and the RC areas for the presence of USTs, as well as to search for subsurface utilities and features without surface expression. The GPR antenna radiates short pulses of electromagnetic energy into the ground. Whenever these pulses strike an interface having variant dielectric properties, part of the wave is reflected back and detected at the surface. These profiles are then examined in real-time for parabolic reflections that could be interpreted as representing USTs or subsurface utilities.

GPR with 250 MHz antenna

2.3 Utility Locating Instruments

The Subsite 950 and the Dynatel 2250 utility locators were utilized to search for subsurface utilities. Using the instruments' transmitters, radio frequency signals were applied onto metallic/electrically conductive lines. The signals were then traced at the surface using a matching receiver. The Subsite is useful for locating the surface traces of a variety of buried utilities through both active and passive methods. For active locating, the tracing signal in

conducted directly onto a conduit or pipe. Passive signals are electromagnetic fields that occur "naturally" without any input from the utility locating instrument's transmitter. These passive signals result when utilities carry electric currents and therefore produce electromagnetic fields that can be detected at the surface. In addition, buried metallic lines, acting as antennae, often pick up and re-radiate background vibrations and commercial radio signals. The areas of investigation were searched for evidence of these signals using the Subsite operating in several passive modes.

The Dynatel 2250 was used in a split-box fashion to investigate for possible subsurface utilities without surface exposures. Two operators, one carrying the transmitter and one carrying the receiver, walked bi-directionally across the areas of investigation at a fixed distance to one another while listening for increases in signal strength that would suggest possible subsurface utilities. Due to the high frequency of the transmitter, the Dynatel is particularly suited to locating the surface trace of telephone, electric, and other narrow-gauge wiring, but it can also detect larger metallic conduits and piping.

Utility line locators

The areas of concern were visually inspected for evidence of subsurface utilities such as sewer cleanouts, conduits, manholes, catch basins, etc. Whenever a metallic/electrically conductive utility was noted, a radio-frequency signal was conducted or induced onto the line using one of the utility locating instruments' transmitters. To delineate the sewer systems, either a metal tracing tape or a fiberglass reinforced tracing rod was inserted into the pipes to which a tracing signal was applied. The metal tape or tracing rod was then detected using one of the utility locator's receivers.

3.0 Results

3.1 Suspected waste oil UST

At the reported site of this UST, a concrete patch was seen suggesting the evidence that intrusive work regarding this UST had been performed. This concrete patch was approximately 5 by 5 feet in size and located approximately 5 feet from the chain-linked fence storage area corner. A tank level gauge with an indicated capcity of 550 gallons was identified along the northeastern wall approximately 29 feet from the northeastern corner of the garage. The gauge's line was traced westward for approximately 8 feet to where it terminated within the concrete patch further

suggesting this UST's location. A utility of unknown use was located in the vicinity of the suspected UST that heads north from the chain-linked fence storage area corner for approximately 7 feet, then turned westward for 13 feet to where it appears to terminate near a roof support. Blue prints of building's construction indicate that a waste oil drop line was once connected to this column. This unknown line may in fact be that utility but positive determination could not be made.

Multiple bi-directional GPR data profiles were also collected across the area, with emphasis on the concrete patch, to look for evidence of whether the UST was present or absent, but no evidence of UST-like reflections was seen. While NAEVA was unable to confirm the presence of this UST the patch in the concrete floor appears to be too small to allow for the removal of a 550-gallon UST, so we believe the tank is probably still in place

3.2 Oil/water separator system

The oil/water separator was located approximately 20 feet from the garage's northwestern corner. An inflow drainage line, a vent line, a capped oil line and the water outflow drainage line were identified within the vault. The inflow drainage line was connected to three zipper style trench drains located adjacent to the three garage bay doors. These drains were connected by a single storm drain that ran north/south 3 feet from their eastern edges and connected to a sewer cleanout that was located on the western side of the oil/water separator vault. The vent line for the oil/water separator is located along the western wall of the garage approximately 18 feet from the northwestern corner. It travels east for 9 feet to the southern side of the oil/water separator. A second conduit, split from the previously stated drain, line located one foot north of previous drain may to be part of the car exhaust venting system.

The oil outflow line, which was capped, exited from the northern side of the oil/water separator. The blueprint for the facility indicate this line once connected to the waste oil tank 40 feet to the east; however, we were unable to confirm this connection.

The water outflow line of the oil/water separator exits the eastern side of the vault, turns north toward another cleanout located 3 feet away, and then turns west. The sewer line heads out of the garage on the western side of the building, through the sewer vent located along the wall 20 feet from the northwestern corner, and travels across the parking lot in a western direction for approximately 35 feet to were it appears terminate. An asphalt patch is located at this approximate area, which suggests that the utility line was either removed or damaged at this point. This line was suspected to once drain into the Gowanus Canal. Further investigation to identify the location of this utility was inconclusive.

3.3 Hydraulic lift

The garage was searched for evidence of any components of the former lift system. The only visual evidence of the former system was a concrete patch located in the middle of the garage floor. Multiple bi-directional GPR data profiles were also collected across the area, with emphasis on the concrete patch, in a reconnaissance investigation to look for evidence of the systems components were present or absent. No evidence of components reflections was seen,

however the GPR showed evidence that this area was excavated, suggesting the system was removed.

3.4 Sanitary Sewer

A sanity sewer manhole was located 167 feet from the northwestern building corner and 20 feet from the adjacent exterior wall. An 18-inch sewer line was identified within the vault, which was approximately 12 feet in depth. The line drained from the building into the vault, the continued approximately northwest toward the Gowanus Canal for approximately 50 feet before reaching an obstruction. The line appeared to be inactive, and had no visible flow.

The building's main sanity sewer, which was traced outward from the building to Nevins Street, is located in the front parking area approximately 175 feet from northeast building corner. This line travels southeast for approximately 41 feet then leaves the property boundary. This determination further suggests that the sanitary system that drains in the building's rear to the Gowanus Canal is no longer in use.

3.5 Catch basins

NAEVA investigated the two catch basins located in the front parking area on the eastern side of the building. The northern most of these dry wells is located 120 feet south from the northeastern building corner and 20 feet from the adjacent eastern wall. The outflow line was determined to head south toward the southern catch basin for approximately 77 feet before stopping at an obstruction in the line. The southern drywell was located 125 south of the northern drywell and approximately 20 feet from the exterior eastern wall. The outflow line was traced north from the vault for approximately 45 feet toward the northern catch basin before again stopping at what appears to be the same obstruction. No evidence of were these two catch basins drain to could be identified at this present time, although it is expected they connect to the sanity sewer system at, or near, the point they cross.

3.6 Miscellaneous utilities and detected features

A set of electric line conduits located 7 feet from the northwest garage corner was traced from the interior of the building to the exterior, 2 feet from the electric conduits a water line was again traced from the interior of the garage to the exterior of the building out of the area of investigation. An electrical conduit located 3 feet from the northeast garage corner was traced due north to under the adjacent stairs and out of the area of investigation. An electrical conduit located at the north interior wall, 27 feet from the northwestern garage corner, was traced south to a pair of electrical conduits 20 feet south along the building support column, then south to the next support column 22 feet away, then finally to a conduit along the south garage wall 6 feet from the adjacent stairs. A suspected utility line of unknown origin was located 14 feet west from the northern stair case and westward toward the northern support column for 17 feet. Another suspected utility line of unknown determination was located approximately 5 feet southeast of the oil/water separator and heads southeast 22 feet past the support column then turns south and travels approximately 47 feet apparently ending near an exposed roof drain located along the southern garage wall 32 feet from the southwestern corner.

4.0 Detected Subsurface Utility & Feature Markings

Detected subsurface utilities and features were marked on the ground with spray paint using the color code established by the American Public Works Association (red for electric, green for sewer, yellow for natural gas and petroleum-related features). Fluorescent pink spray paint was used to mark metal and GPR anomalies, features of unknown use, and utilities identified within the right-of-way to distinguish our marks from those made by the local One-call mark out center. NAEVA recommends that you exercise caution when drilling and/or excavating in the vicinity of any detected and marked out features.

Appendix: Site Photographs

Photograph 1: Concrete patch at termination of UST level gauge line

Photograph 2: Oil/water separator vault with capped line

Appendix A: Continued

Photograph 3: Drainage lines for oil/water separator

Photograph 4: Asphalt patch where oil/water separator drainage terminates

Appendix A: Continued

Photograph 5: Suspected concrete patch for former hydraulic lift

Photograph 6: Building's rear sanity sewer line

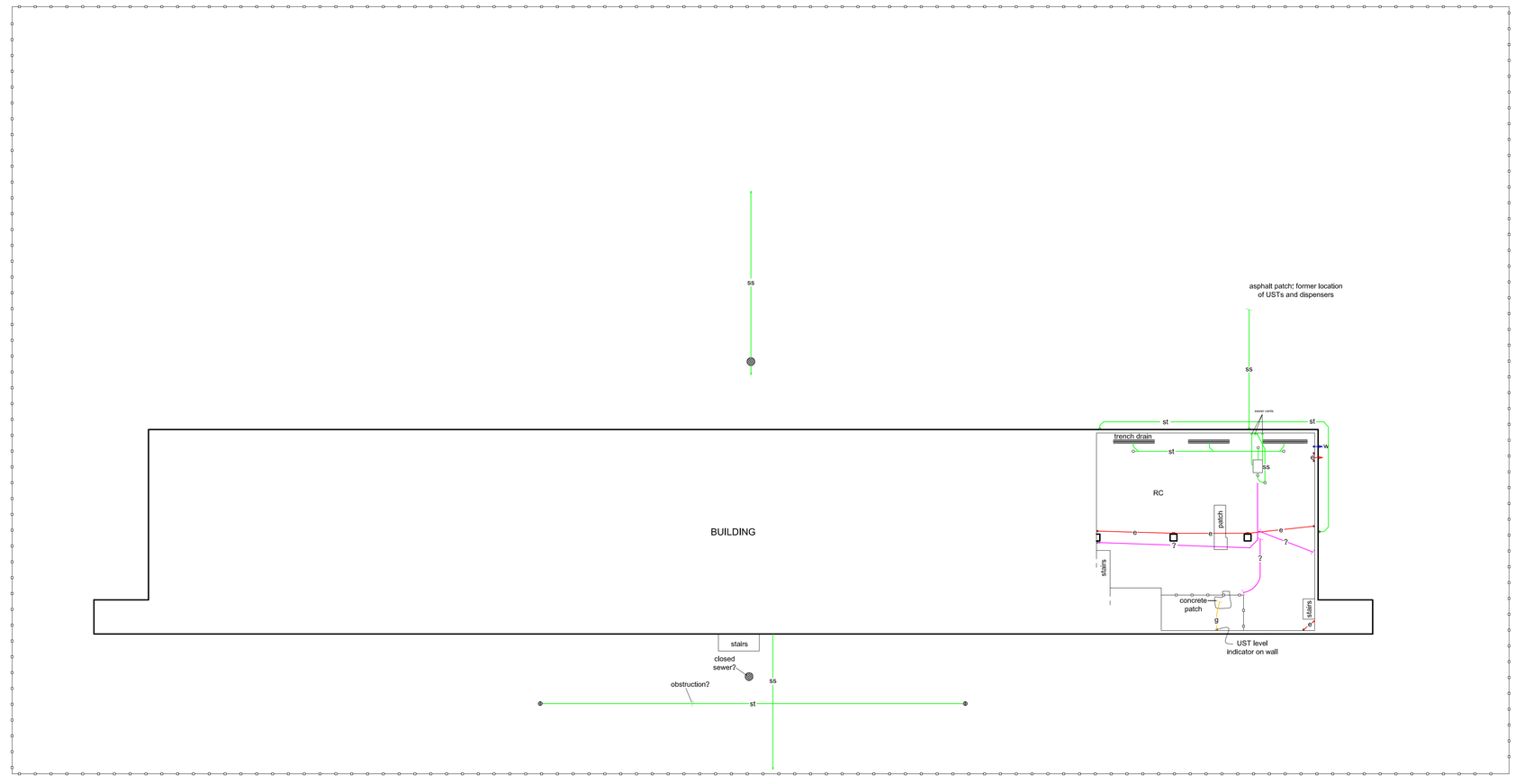
Appendix A: Continued

Photograph 7: Catch basin with drainage pipe

Photograph 8: Electric conduits & lines, sewer lines, and unknown lines

Appendix A: Continued

Photograph 9: Unknown lines



LEGEND

- e — electric line
- w — water line
- st — storm sewer
- ss — sanitary sewer
- g — UST level line
- ? — suspected utility
- chain-link fence
- manhole cover
- sewer cleanout
- electrical conduit
- water line
- roof drain
- RC — reinforced concrete
- catch basin

approximately

20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

NAEVA GEOPHYSICS, INC.
Subsurface Geophysical Surveys

225 N. Route 303, Suite 102
Congers, NY, 10920
(845)268-1800
(845)268-1802 FAX

Plate 1, Results of a Geophysical Investigation
Former Verizon Facility
318 Nevins Street
Brooklyn, New York

Client	EnviroTrac, Ltd.	Date of Work	February 5, 2013
Project No.	C1302051L	Map By	Daniel Latini

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

Appendix C

Soil Boring Logs

EnviroTrac
Environmental Services

Geologic Log and Well Construction Details

Log of GP-1

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0				
	1				
	2	24"		0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor.
	3				
	4				
	5				
	6				
	7				
	8	60"	**GP-1 (5'-10')**	0	5'-10': Brown to black medium **SAND** intermixed with urban fill material. Dry to 9' 4" then wet to 10', no odor. Sampled from 5'-10' interval for laboratory analysis.
	9				
	10				

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

Geologic Log and Well Construction Details

Log of GP-2

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 7 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0 1 2 3 4 5 6 7	20"		0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor.
		24"	**GP-2 (5'-7')**	0	5'-7': Brown to black medium **SAND** intermixed with urban fill material. Refusal at 7'. Dry, no odor. Sampled from 5'-7' for laboratory analysis

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

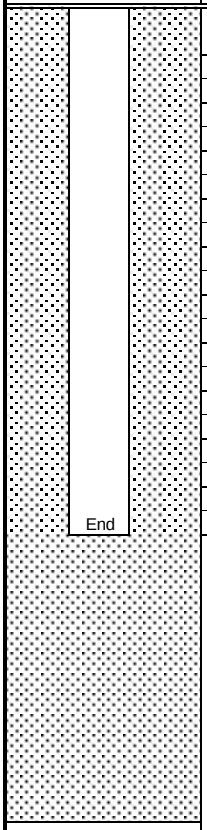
Geologic Log and Well Construction Details

Log of GP-3

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	20" 36"	 **GP-3 (5'-10')**	0 0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with urban fill material. Moist to wet, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

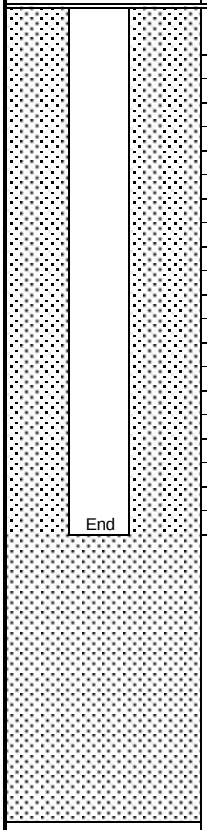
Geologic Log and Well Construction Details

Log of GP-4

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	32" 60"	 **GP-4 (5'-10')**	0 0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

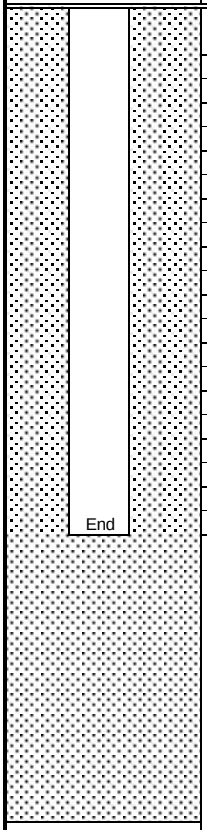
Geologic Log and Well Construction Details

Log of GP-5

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	36" 48"	 **GP-5 (5'-10')**	0 0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with fill material. Dry, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

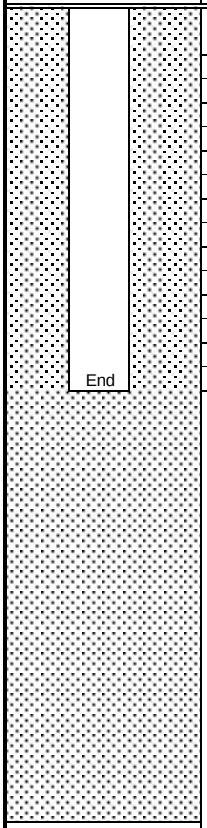
Geologic Log and Well Construction Details

Log of GP-6

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 7 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7	24"		0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor.
		24"	**GP-6 (5'-7')**	0	5'-7': Brown medium **SAND** intermixed with fill material. Refusal at 7'. Dry, no odor. Sampled from 5'-7' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

Geologic Log and Well Construction Details

Log of GP-7

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Hand Auger (inside caged area)			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 5 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0 1 2 3 4 5	NA	**GP-7 (5')**	0	0'-5': Brown medium **SAND** intermixed with urban fill material. Refusal at 5'. Dry, no odor. Sampled from 5'.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

Appendix D

Laboratory Analytical Data

EnviroTrac
Environmental Services

PHOENIX
Environmental Laboratories, Inc.

Monday, February 18, 2013

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

Project ID: V2-318 NEVINS ST BROOKLYN
Sample ID#s: BD29467 - BD29473

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

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

February 18, 2013

SDG I.D.: GBD29467

BD29467 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29468 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29469 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29470 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29471 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29472 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD29473 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	10:43
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29467

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-1 5-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	2.6	1.2	ug/Kg	02/13/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
Benzene	ND	2.5	ug/Kg	02/13/13	H/J	8021/8260
Ethylbenzene	ND	2.5	ug/Kg	02/13/13	H/J	8021/8260
Isopropylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
m&p-Xylene	4.5	2.5	ug/Kg	02/13/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
Naphthalene	1.9	1.2	ug/Kg	02/13/13	H/J	8021/8260
n-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
n-Propylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
o-Xylene	ND	2.5	ug/Kg	02/13/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
sec-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
tert-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
Toluene	ND	2.5	ug/Kg	02/13/13	H/J	8021/8260
Total Xylenes	4.5	2.5	ug/Kg	02/13/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	112		%	02/13/13	H/J	70 - 130 %
% Bromofluorobenzene	75		%	02/13/13	H/J	70 - 130 %
% Dibromofluoromethane	98		%	02/13/13	H/J	70 - 130 %
% Toluene-d8	93		%	02/13/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	280	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-1 5-10 FT

Phoenix I.D.: BD29467

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	600	280	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	1400	280	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	1400	280	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	1800	280	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	740	280	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	530	280	ug/Kg	02/12/13	DD	SW 8270
Chrysene	1500	280	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	3400	280	ug/Kg	02/12/13	DD	SW 8270
Fluorene	ND	280	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	620	280	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	ND	280	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	2900	280	ug/Kg	02/12/13	DD	SW 8270
Pyrene	2900	280	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	74		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	100		%	02/12/13	DD	30 - 130 %

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

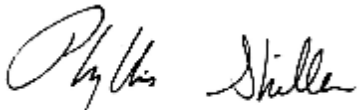
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, 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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	11:33
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29468

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-2 5-7 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
Benzene	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
Ethylbenzene	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
Isopropylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
m&p-Xylene	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	2.0	1.2	ug/Kg	02/13/13	H/J	8021/8260
Naphthalene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
n-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
n-Propylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
o-Xylene	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
sec-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
tert-Butylbenzene	ND	1.2	ug/Kg	02/13/13	H/J	8021/8260
Toluene	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
Total Xylenes	ND	2.4	ug/Kg	02/13/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	119		%	02/13/13	H/J	70 - 130 %
% Bromofluorobenzene	82		%	02/13/13	H/J	70 - 130 %
% Dibromofluoromethane	83		%	02/13/13	H/J	70 - 130 %
% Toluene-d8	95		%	02/13/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	270	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-2 5-7 FT

Phoenix I.D.: BD29468

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	560	270	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	1300	270	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	1300	270	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	1700	270	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	770	270	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	430	270	ug/Kg	02/12/13	DD	SW 8270
Chrysene	1400	270	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	3000	270	ug/Kg	02/12/13	DD	SW 8270
Fluorene	ND	270	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	690	270	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	ND	270	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	2500	270	ug/Kg	02/12/13	DD	SW 8270
Pyrene	2800	270	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	81		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	73		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	94		%	02/12/13	DD	30 - 130 %

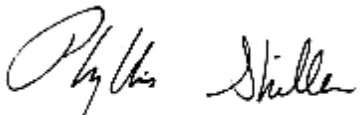
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, 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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	12:10
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29469

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-3 5-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	68		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
Benzene	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
Ethylbenzene	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
Isopropylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
m&p-Xylene	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
Naphthalene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
n-Butylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
n-Propylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
o-Xylene	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
sec-Butylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
tert-Butylbenzene	ND	1.5	ug/Kg	02/13/13	H/J	8021/8260
Toluene	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
Total Xylenes	ND	2.9	ug/Kg	02/13/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	104		%	02/13/13	H/J	70 - 130 %
% Bromofluorobenzene	88		%	02/13/13	H/J	70 - 130 %
% Dibromofluoromethane	101		%	02/13/13	H/J	70 - 130 %
% Toluene-d8	96		%	02/13/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	2000	330	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	1900	330	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-3 5-10 FT

Phoenix I.D.: BD29469

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	3800	330	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	16000	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	30000	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	31000	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	8300	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	4900	330	ug/Kg	02/12/13	DD	SW 8270
Chrysene	17000	330	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	2900	330	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	22000	330	ug/Kg	02/12/13	DD	SW 8270
Fluorene	1600	330	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	5100	330	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	560	330	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	16000	330	ug/Kg	02/12/13	DD	SW 8270
Pyrene	23000	330	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	82		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	75		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	103		%	02/12/13	DD	30 - 130 %

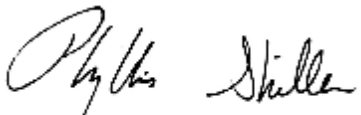
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, Project Manager

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

NY # 11301

Analysis Report

February 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	12:46
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29470

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-4 5-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	1.7	1.3	ug/Kg	02/13/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
Benzene	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
Ethylbenzene	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
Isopropylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
m&p-Xylene	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
Naphthalene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
n-Butylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
n-Propylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
o-Xylene	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
sec-Butylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
tert-Butylbenzene	ND	1.3	ug/Kg	02/13/13	H/J	8021/8260
Toluene	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
Total Xylenes	ND	2.7	ug/Kg	02/13/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	107		%	02/13/13	H/J	70 - 130 %
% Bromofluorobenzene	74		%	02/13/13	H/J	70 - 130 %
% Dibromofluoromethane	87		%	02/13/13	H/J	70 - 130 %
% Toluene-d8	97		%	02/13/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	350	310	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-4 5-10 FT

Phoenix I.D.: BD29470

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	750	310	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	2900	310	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	3000	310	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	3600	310	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	1500	310	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	1400	310	ug/Kg	02/12/13	DD	SW 8270
Chrysene	2900	310	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	450	310	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	6300	310	ug/Kg	02/12/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1400	310	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	ND	310	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	3500	310	ug/Kg	02/12/13	DD	SW 8270
Pyrene	5800	310	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	71		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	69		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	99		%	02/12/13	DD	30 - 130 %

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

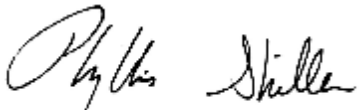
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, 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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	13:10
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29471

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-5 5-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	70		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
Benzene	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
Ethylbenzene	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
Isopropylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
m&p-Xylene	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
Naphthalene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
n-Butylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
n-Propylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
o-Xylene	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
p-Isopropyltoluene	47	1.4	ug/Kg	02/12/13	H/J	8021/8260
sec-Butylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
tert-Butylbenzene	ND	1.4	ug/Kg	02/12/13	H/J	8021/8260
Toluene	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
Total Xylenes	ND	2.9	ug/Kg	02/12/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	118		%	02/12/13	H/J	70 - 130 %
% Bromofluorobenzene	82		%	02/12/13	H/J	70 - 130 %
% Dibromofluoromethane	97		%	02/12/13	H/J	70 - 130 %
% Toluene-d8	95		%	02/12/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	330	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	330	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-5 5-10 FT

Phoenix I.D.: BD29471

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	440	330	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	2400	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	4100	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	3600	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	2400	330	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	1000	330	ug/Kg	02/12/13	DD	SW 8270
Chrysene	2200	330	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	430	330	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	4000	330	ug/Kg	02/12/13	DD	SW 8270
Fluorene	ND	330	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1600	330	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	ND	330	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	1900	330	ug/Kg	02/12/13	DD	SW 8270
Pyrene	5000	330	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	74		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	68		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	88		%	02/12/13	DD	30 - 130 %

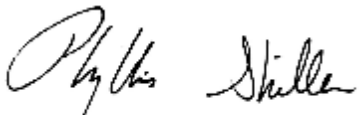
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, 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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	14:28
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29472

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-6 5-7 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Benzene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Ethylbenzene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
m&p-Xylene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Naphthalene	1.3	1.1	ug/Kg	02/12/13	H/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
o-Xylene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Toluene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Total Xylenes	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	98		%	02/12/13	H/J	70 - 130 %
% Bromofluorobenzene	90		%	02/12/13	H/J	70 - 130 %
% Dibromofluoromethane	102		%	02/12/13	H/J	70 - 130 %
% Toluene-d8	96		%	02/12/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	250	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-6 5-7 FT

Phoenix I.D.: BD29472

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	630	250	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	2300	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	2100	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	2700	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	1200	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	680	250	ug/Kg	02/12/13	DD	SW 8270
Chrysene	2300	250	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	330	250	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	5000	250	ug/Kg	02/12/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1000	250	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	3000	250	ug/Kg	02/12/13	DD	SW 8270
Pyrene	4500	250	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	86		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	75		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	103		%	02/12/13	DD	30 - 130 %

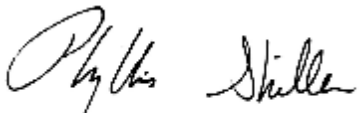
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, 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 18, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/07/13	15:58
Location Code:	ENVIROTR	Received by:	SW	02/11/13	17:17
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD29467
Phoenix ID: BD29473

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-7 5FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	02/11/13	JL	E160.3
Soil Extraction SVOA BN	Completed			02/11/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	1.9	1.1	ug/Kg	02/12/13	H/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Benzene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Ethylbenzene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
m&p-Xylene	2.5	2.2	ug/Kg	02/12/13	H/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Naphthalene	4.4	1.1	ug/Kg	02/12/13	H/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
o-Xylene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	02/12/13	H/J	8021/8260
Toluene	ND	2.2	ug/Kg	02/12/13	H/J	8021/8260
Total Xylenes	2.5	2.2	ug/Kg	02/12/13	H/J	8021/8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	104		%	02/12/13	H/J	70 - 130 %
% Bromofluorobenzene	85		%	02/12/13	H/J	70 - 130 %
% Dibromofluoromethane	110		%	02/12/13	H/J	70 - 130 %
% Toluene-d8	95		%	02/12/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	400	250	ug/Kg	02/12/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	02/12/13	DD	SW 8270

Project ID: V2-318 NEVINS ST BROOKLYN
Client ID: GP-7 5FT

Phoenix I.D.: BD29473

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	970	250	ug/Kg	02/12/13	DD	SW 8270
Benz(a)anthracene	2900	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(a)pyrene	2800	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(b)fluoranthene	3800	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(ghi)perylene	1300	250	ug/Kg	02/12/13	DD	SW 8270
Benzo(k)fluoranthene	1100	250	ug/Kg	02/12/13	DD	SW 8270
Chrysene	2900	250	ug/Kg	02/12/13	DD	SW 8270
Dibenz(a,h)anthracene	540	250	ug/Kg	02/12/13	DD	SW 8270
Fluoranthene	6400	250	ug/Kg	02/12/13	DD	SW 8270
Fluorene	390	250	ug/Kg	02/12/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1300	250	ug/Kg	02/12/13	DD	SW 8270
Naphthalene	590	250	ug/Kg	02/12/13	DD	SW 8270
Phenanthrene	4500	250	ug/Kg	02/12/13	DD	SW 8270
Pyrene	5300	250	ug/Kg	02/12/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	87		%	02/12/13	DD	30 - 130 %
% Nitrobenzene-d5	76		%	02/12/13	DD	30 - 130 %
% Terphenyl-d14	105		%	02/12/13	DD	30 - 130 %

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

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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

Phyllis Shiller, Laboratory Director
February 18, 2013
Reviewed and Released by: Johanna Harrington, Project Manager

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

NY # 11301

QA/QC Report

February 18, 2013

QA/QC Data

SDG I.D.: GBD29467

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 221328, QC Sample No: BD28280 (BD29471, BD29472, BD29473)									
Volatiles - Soil									
1,2,4-Trimethylbenzene	ND	104	100	3.9	100	101	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	101	98	3.0	101	100	1.0	70 - 130	30
Benzene	ND	98	94	4.2	99	98	1.0	70 - 130	30
Ethylbenzene	ND	97	96	1.0	100	100	0.0	70 - 130	30
Isopropylbenzene	ND	101	98	3.0	99	98	1.0	70 - 130	30
m&p-Xylene	ND	98	97	1.0	99	97	2.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	95	97	2.1	106	98	7.8	70 - 130	30
Naphthalene	ND	109	103	5.7	104	105	1.0	70 - 130	30
n-Butylbenzene	ND	99	101	2.0	102	98	4.0	70 - 130	30
n-Propylbenzene	ND	104	101	2.9	99	98	1.0	70 - 130	30
o-Xylene	ND	105	102	2.9	100	99	1.0	70 - 130	30
p-Isopropyltoluene	ND	101	101	0.0	101	97	4.0	70 - 130	30
sec-Butylbenzene	ND	98	98	0.0	101	97	4.0	70 - 130	30
tert-Butylbenzene	ND	102	101	1.0	102	100	2.0	70 - 130	30
Toluene	ND	97	97	0.0	102	97	5.0	70 - 130	30
% 1,2-dichlorobenzene-d4	99	101	102	1.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	92	101	98	3.0	98	103	5.0	70 - 130	30
% Dibromofluoromethane	95	106	101	4.8	99	104	4.9	70 - 130	30
% Toluene-d8	97	99	100	1.0	100	99	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 221197, QC Sample No: BD29351 (BD29467, BD29468, BD29469, BD29470)									
Volatiles - Soil									
1,2,4-Trimethylbenzene	ND	108	107	0.9	100	100	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	106	103	2.9	100	100	0.0	70 - 130	30
Benzene	ND	103	95	8.1	97	93	4.2	70 - 130	30
Ethylbenzene	ND	105	98	6.9	100	100	0.0	70 - 130	30
Isopropylbenzene	ND	108	102	5.7	97	97	0.0	70 - 130	30
m&p-Xylene	ND	106	99	6.8	99	96	3.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	94	91	3.2	90	93	3.3	70 - 130	30
Naphthalene	ND	116	105	10.0	98	99	1.0	70 - 130	30
n-Butylbenzene	ND	111	110	0.9	105	103	1.9	70 - 130	30
n-Propylbenzene	ND	112	108	3.6	99	98	1.0	70 - 130	30
o-Xylene	ND	109	104	4.7	98	99	1.0	70 - 130	30
p-Isopropyltoluene	ND	111	107	3.7	102	100	2.0	70 - 130	30
sec-Butylbenzene	ND	106	100	5.8	99	97	2.0	70 - 130	30
tert-Butylbenzene	ND	110	102	7.5	99	98	1.0	70 - 130	30
Toluene	ND	107	97	9.8	102	95	7.1	70 - 130	30
% 1,2-dichlorobenzene-d4	96	102	101	1.0	102	100	2.0	70 - 130	30

QA/QC Data

SDG I.D.: GBD29467

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	93	98	101	3.0	98	103	5.0	70 - 130	30
% Dibromofluoromethane	100	104	103	1.0	99	103	4.0	70 - 130	30
% Toluene-d8	95	101	99	2.0	102	99	3.0	70 - 130	30

Comment:

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

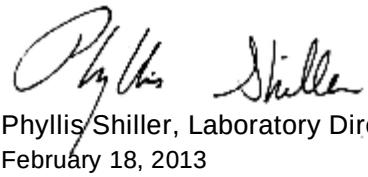
QA/QC Batch 220911, QC Sample No: BD29475 (BD29467, BD29468, BD29469, BD29470, BD29471, BD29472, BD29473)

Polynuclear Aromatic HC - Soil

Acenaphthene	ND	79	78	1.3	81	81	0.0	30 - 130	30
Acenaphthylene	ND	84	83	1.2	85	85	0.0	30 - 130	30
Anthracene	ND	91	90	1.1	85	86	1.2	30 - 130	30
Benz(a)anthracene	ND	94	91	3.2	82	81	1.2	30 - 130	30
Benzo(a)pyrene	ND	81	80	1.2	76	76	0.0	30 - 130	30
Benzo(b)fluoranthene	ND	89	93	4.4	83	87	4.7	30 - 130	30
Benzo(ghi)perylene	ND	96	91	5.3	84	68	21.1	30 - 130	30
Benzo(k)fluoranthene	ND	87	83	4.7	84	85	1.2	30 - 130	30
Chrysene	ND	85	88	3.5	87	87	0.0	30 - 130	30
Dibenz(a,h)anthracene	ND	99	94	5.2	80	72	10.5	30 - 130	30
Fluoranthene	ND	90	89	1.1	84	86	2.4	30 - 130	30
Fluorene	ND	91	89	2.2	86	85	1.2	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	97	92	5.3	82	73	11.6	30 - 130	30
Naphthalene	ND	84	83	1.2	76	77	1.3	30 - 130	30
Phenanthrene	ND	93	91	2.2	86	86	0.0	30 - 130	30
Pyrene	ND	88	88	0.0	84	85	1.2	30 - 130	30
% 2-Fluorobiphenyl	38	83	83	0.0	83	83	0.0	30 - 130	30
% Nitrobenzene-d5	36	74	72	2.7	65	66	1.5	30 - 130	30
% Terphenyl-d14	47	95	95	0.0	90	92	2.2	30 - 130	30

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 18, 2013

Sample Criteria Exceedences Report

GBD29467 - ENVIROTR

Requested Criteria: None

State: NY

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

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 18, 2013

SDG I.D.: GBD29467

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4°C/LTR Pg of

PHOENIX *Environmental Laboratories, Inc.*

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

Data Delivery:
☐ Fax #:
☒ Email: jeffb@envirotrac.com

Customer: EnviroTrac Ltd.
Address: 50 Old Dock Rd
Yaphank, NY 11980

Project: V2-318 Nevins St. Brooklyn
Report to: Jeff Bohlen
Invoice to: EnviroTrac

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 2/7/13

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: CP-51 VOCs	CP-51 SVOCs	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (4) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
29467	GP-1 (5'-10')	S	2/7/13	10:43	X	X										
29468	GP-2 (5'-7')	↓	↓	11:38	↓	↓										
29469	GP-3 (5'-10')			12:10												
29470	GP-4 (5'-10')			12:46												
29471	GP-5 (5'-10')			13:10												
29472	GP-6 (5'-7')			14:28												
29473	GP-7 (5')	↓	↓	15:58	↓	↓		↓	↓							

Relinquished by:	Accepted by:	Date:	Time:
		2-11-13	10:48
		2-11-13	1777

Comments, Special Requirements or Regulations:

Standard T/A

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
☐ TOGS GA
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

Appendix E

Request for Spill Closure Letter, dated April 11, 2013

EnviroTrac
Environmental Services

Thomas H. Bosshard, CPG
Environmental Manager, Global EH&S Compliance
501 North Ocean Avenue, Patchogue, NY 11772

Phone (631) 654-7920, Fax (631) 475-2217
thomas.bosshard@verizon.com

April 11, 2013

Ms. Veronica Zhune
NYSDEC – Region 2
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

Re: Verizon New York Inc. Facility, 318 Nevins Street, Brooklyn, NY, NYSDEC Spill # 12-15913

Ms. Zhune,

Enclosed please find the Request for Spill Closure report prepared by EnviroTrac for the referenced Verizon New York Inc. location. This report summarizes soil excavation activities in association with NYSDEC Spill Number 12-15913, in addition to providing background information on a Phase II Environmental Site Assessment (ESA) conducted by EnviroTrac in February 2013 as part of property divestment activities.

As part of the Phase II ESA, soil borings were installed at select locations on the property to investigate recognized environmental conditions identified in a Phase I ESA completed by Cardno ATC on behalf of Verizon New York Inc. in December 2012. Analytical results of soil samples collected during the Phase II assessment were compared to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives, which revealed exceedances of select semi-volatile organic compounds (SVOCs) in all collected soil samples, consistent with urban fill material, which is commonly encountered throughout New York City. Soil excavation in an area of elevated SVOC concentrations inside the garage portion of the facility building confirmed the presence of urban fill, and a clean bottom soil horizon was encountered. Therefore, as the detected SVOCs are likely associated with urban fill and historical property usage, closure and inactivation of NYSDEC Spill Number 12-15913 is requested at this time.

We appreciate your time in reviewing the enclosed report and look forward to receiving your response. Please do not hesitate to contact me directly at 631-654-7920 if you have any questions or comments regarding the report.

Sincerely,

Thomas H. Bosshard, CPG
Regional Environmental Specialist

Enclosure

April 11, 2013

Ms. Veronica Zhune
NYSDEC – Region 2
1 Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101

Re: Request for Spill Closure
Verizon Facility
318 Nevins Street
Brooklyn, New York
NYSDEC Spill Number 12-15913

Dear Ms. Zhune:

EnviroTrac Ltd. (EnviroTrac) was retained by Verizon New York, Inc. (Verizon) to prepare the following Request for Spill Closure letter in reference to New York State Department of Environmental Conservation (NYSDEC) Spill Number 12-15913 assigned to the subject property (**Figure 1**) on February 27, 2013:

Background

In February 2013, EnviroTrac performed a Phase II Environmental Site Assessment (ESA) at the subject property. The scope of work for the Phase II ESA was developed to investigate recognized environmental conditions (RECs) identified in the Phase I ESA completed by Cardno ATC (ATC) of New York, New York dated December 19, 2012. EnviroTrac directed a Geoprobe® direct-push technology mobile rig operated by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York to install soil borings GP-1 through GP-7 at the locations depicted on **Figure 2**. Soil lithology, photo-ionization detector (PID) readings and other observations were logged by EnviroTrac. Soil borings logs are provided in **Attachment A**. A total of seven (7) soil samples were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix Labs), a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory under proper chain-of-custody procedures for analysis of NYSDEC CP-51 List volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) using respective USEPA Methods 8260 and 8270.

Analytical results from the soil samples are summarized in **Table 1** and were compared to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs). Based on the analytical results, select SVOCs were detected at all seven (7) soil samples at concentrations exceeding UUSCOs, with the highest concentrations detected at GP-3. Based on the SVOC detections at GP-3, Verizon notified the NYSDEC Spills Hotline who then assigned Spill 12-15931 to the incident.

The suspected source of detected SVOCs at the boring locations is urban fill, which is prevalent throughout the New York City area, including downtown Brooklyn, the location

of the subject property. GP-3 was installed within a concrete patch, presumed to be the location of a former hydraulic lift in the garage portion of the building. However, upon excavation described below, the presence of a former hydraulic lift was not identified. Instead, urban fill evidenced by pieces of brick, glass, rope, ash and organics was discovered within the excavation.

According to Sanborn Maps, the subject property appears to have been developed as early as 1886 as a lumber yard and two dwellings. The property remained developed as a lumber yard from 1886 until 1922 when the property was developed as Koppers Seaboard Coke Co. and Brooklyn Nevins Coal Company. In 1938, the property was depicted with two garages along Nevins Street, a dwelling, additional buildings along Nevins Street, and a shed and conveyor system located on the central and northern portions of the property associated with Koppers Seaboard Coke Co. and several buildings including offices, scales, sheds, and four circular aboveground structures located on the southern portion of the property associated with Morton Coal Co. The current building on the property was constructed in 1958 as a motor freight station and was identified as NY Telephone Co. in 1979, Bell Atlantic in 2001 and Verizon on the 2002 map.

Excavation of Concrete Patch Area in Garage (GP-3)

On March 6, 2013, AARCO under the direction of EnviroTrac, mobilized to the site with a backhoe and excavated the area of the concrete patch where boring GP-3 had previously been installed. Photographic documentation of the field work is provided in **Attachment B**. Upon excavation, no hydraulic lift was identified. The excavation was extended deeper to investigate soils at the 5-10 foot below grade interval, where the GP-3 soil sample was previously collected. Soils in this interval consisted of urban fill as evidenced by pieces of brick, glass, ash and organics. Native-appearing soil was encountered at approximately 11 feet below grade and consisted of clay intermixed with fine sand and marsh organics. The excavation, which measured approximately 11-feet long by 5-feet wide and 11-feet deep (**Figure 2**), was halted as urban fill was encountered laterally in all directions and due to structural concerns within the garage. A total of 17.75 tons of soil was excavated from the concrete patch area of the garage. The soil was transported to Clean Earth of Cateret, New Jersey for proper disposal. Solid waste disposal manifests are enclosed in **Attachment C.**

Prior to backfilling, a total of five (5) endpoint soil samples were collected from each sidewall and bottom of the excavation The endpoint soil samples were submitted to Phoenix Labs under proper chain-of-custody procedures for analysis of NYSDEC CP-51 List VOCs and SVOCs using respective USEPA Methods 8260 and 8270.

Summary of Endpoint Soil Sampling Results

Analytical results from endpoint soil samples are summarized in **Table 2**. No VOCs were detected at concentrations exceeding UUSCOs in any of the endpoint samples collected. SVOCs were detected at concentrations exceeding UUSCOs at endpoint samples North Sidewall, East Sidewall, West Sidewall and South Sidewall. No SVOCs or VOCs were detected above the method detection limit of the laboratory from the Bottom endpoint sample. Note that the bottom endpoint sample was collected in native-appearing soil at 11 feet below grade, confirming the presence of urban fill identified throughout the property. A copy of the laboratory report is provided in **Attachment D**.

Conclusions and Professional Opinion

Based on the findings of previous borings and endpoint soil sampling results, SVOCs were detected in urban fill identified throughout the subject property. To explore elevated SVOCs detected at GP-3, the concrete patch and underlying soils within the garage were excavated and a total of 17.75 tons of soil were properly disposed off-site. Given the area-wide extent of urban fill and historical uses of the property as lumber and coal yards, additional excavation of urban fill is not feasible. As such, EnviroTrac, on behalf of Verizon, respectfully requests closure of NYSDEC Spill Number 12-15913

If you have any questions, please do not hesitate to contact me.

Sincerely,
EnviroTrac Ltd.

Jeffrey Bohlen, PG
Principal Geologist

Attachments

cc: Mr. Thomas Bosshard, CPG – Verizon Global EH&S Compliance
Mr. Jeffrey Vought, NYSDEC Region 2

FIGURES

EnviroTrac
Environmental Services

AERIAL PHOTOGRAPH

Figure 1
Aerial Photograph

Verizon New York Facility
318 Nevins Street
Brooklyn, NY

N
W E
S

EnviroTrac
Environmental Services
5 Old Dock Road
Yaphank, NY 11980
P: 631-924-3001 F:631-924-5001

GOWANUS CANAL

north

GP–1

PARKING LOT

GP–2

LIMITS OF EXCAVATION

CONCRETE PATCH

GP–5

PATCH

GP–4

GP–3

CONCRETE PATCH

BUILDING

COLUMNS

stairs

GP–6

CONCRETE PATCH

GP–7

stairs

stairs

CLOSED IN–PLACE WASTE OIL UST

UNION STREET

NEVINS STREET

LEGEND

⊕ PHASE II SOIL BORING LOCATION

✗ SIDEWALL ENDPOINT SOIL SAMPLE LOCATION

▲ BOTTOM ENDPOINT SOIL SAMPLE LOCATION

▯ LIMITS OF EXCAVATION

EnviroTrac
ENVIRONMENTAL SERVICES
5 Old Dock Road, Yaphank, NY 11980
PHONE: (631)924–3001 FAX: (631)924–5001

0 FT 15
APPROXIMATE SCALE

REVISION DATE: MARCH 21, 2013 | SCALE: 1" = 15 FEET | REVISED BY: TB

VERIZON FACILITY
318 NEVINS STREET
BROOKLYN, NY

SITE PLAN

FIGURE # 2

TABLES

EnviroTrac
Environmental Services

Table 1

Summary of Phase II ESA Soil Boring Samples for VOC and SVOC Analysis

Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York

Analytical Parameter	GP-1 5-10 FT 2/7/13	GP-2 5-7 FT 2/7/13	GP-3 5-10 FT 2/7/13	GP-4 5-10 FT 2/7/13	GP-5 5-10 FT 2/7/13	GP-6 5-7 FT 2/7/13	GP-7 5 FT 2/7/13	NYSDEC Part 375 UUSCOs
CP-51 VOCs 8260 (ppb)								
1,2,4-Trimethylbenzene	2.6	ND	ND	1.7	ND	ND	1.9	**3,600**
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	**8,400**
Benzene	ND	ND	ND	ND	ND	ND	ND	**60**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**1,000**
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	**2,300**
m&p-Xylene	4.5	ND	ND	ND	ND	ND	2.5	**260**
Methyl tert-butyl ether (MTBE)	ND	2	ND	ND	ND	ND	ND	**930**
Naphthalene	1.9	ND	ND	ND	ND	1.3	4.4	**12,000**
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**12,000**
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	**3,900**
o-Xylene	ND	ND	ND	ND	ND	ND	ND	**260**
p-Isopropyltoluene	ND	ND	ND	ND	47	ND	ND	**10,000***
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**11,000**
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	**5,900**
Toluene	ND	ND	ND	ND	ND	ND	ND	**700**
Total Xylenes	4.5	ND	ND	ND	ND	ND	2.5	**260**
Analytical Parameter	**GP-1 5-10 FT 2/7/13**	**GP-2 5-7 FT 2/7/13**	**GP-3 5-10 FT 2/7/13**	**GP-4 5-10 FT 2/7/13**	**GP-5 5-10 FT 2/7/13**	**GP-6 5-7 FT 2/7/13**	**GP-7 5 FT 2/7/13**	**NYSDEC Part 375 UUSCOs**
CP-51 SVOCs 8270 (ppb)								
Acenaphthene	ND	ND	2,000	350	ND	ND	400	**20,000**
Acenaphthylene	ND	ND	1,900	ND	ND	ND	ND	**100,000**
Anthracene	600	560	3,800	750	440	630	970	**100,000**
Benzo(a)anthracene	1,400	1,300	16,000	2,900	2,400	2,300	2,900	**1,000**
Benzo(a)pyrene	1,400	1,300	30,000	3,000	4,100	2,100	2,800	**1,000**
Benzo(b)fluoranthene	1,800	1,700	31,000	3,600	3,600	2,700	3,800	**1,000**
Benzo(ghi)perylene	740	770	8,300	1,500	2,400	1,200	1,300	**100,000**
Benzo(k)fluoranthene	530	430	4,900	1,400	1,000	680	1,100	**800**
Chrysene	1,500	1,400	17,000	2,900	2,200	2,300	2,900	**1,000**
Dibenzo(a,h)anthracene	ND	ND	2,900	450	430	330	540	**330**
Fluoranthene	3,400	3,000	22,000	6,300	4,000	5,000	6,400	**100,000**
Fluorene	ND	ND	1,600	ND	ND	ND	390	**30,000**
Indeno(1,2,3-cd)pyrene	620	690	5,100	1,400	1,600	1,000	1,300	**500**
Naphthalene	ND	ND	560	ND	ND	ND	590	**12,000**
Phenanthrene	2,900	2,500	16,000	3,500	1,900	3,000	4,500	**100,000**
Pyrene	2,900	2,800	23,000	5,800	5,000	4,500	5,300	**100,000**

Notes:
NYSDEC = New York State Department of Environmental Conservation
Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs)
* = Per CP-51 Table 1 Supplemental Soil Cleanup Objectives
CP-51 = NYSDEC Final Commissioner Policy
ppb = parts per billion (ug/Kg)
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
ND = Not Detected above the method detection limit of the laboratory.
Highlighted cells indicate detection at or exceeding NYSDEC UUSCOs.

EnviroTrac
Environmental Services

Table 2

Summary of Garage Excavation Endpoint Samples for VOC and SVOC Analysis

Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York

Analytical Parameter	North Sidewall 3/6/13	East Sidewall 3/6/13	West Sidewall 3/6/13	South Sidewall 3/6/13	Bottom 3/6/13	NYSDEC Part 375 UUSCOs
CP-51 VOCs 8260 (ppb)						
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	**3,600**
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	**8,400**
Benzene	ND	ND	ND	ND	ND	**60**
Ethylbenzene	ND	ND	ND	ND	ND	**1,000**
Isopropylbenzene	ND	ND	ND	ND	ND	**2,300**
m&p-Xylene	ND	ND	ND	ND	ND	**260**
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND	ND	**930**
Naphthalene	1.3	ND	ND	ND	ND	**12,000**
n-Butylbenzene	ND	ND	ND	ND	ND	**12,000**
n-Propylbenzene	ND	ND	ND	ND	ND	**3,900**
o-Xylene	ND	ND	ND	ND	ND	**260**
p-Isopropyltoluene	ND	ND	ND	ND	ND	**10,000***
sec-Butylbenzene	ND	ND	ND	ND	ND	**11,000**
tert-Butylbenzene	ND	ND	ND	ND	ND	**5,900**
Toluene	ND	ND	ND	ND	ND	**700**
Total Xylenes	ND	ND	ND	ND	ND	**260**
Analytical Parameter	**North Sidewall 3/6/13**	**East Sidewall 3/6/13**	**West Sidewall 3/6/13**	**South Sidewall 3/6/13**	**Bottom 3/6/13**	**NYSDEC Part 375 UUSCOs**
CP-51 SVOCs 8270 (ppb)						
Acenaphthene	ND	ND	510	ND	ND	**20,000**
Acenaphthylene	ND	3,200	430	ND	ND	**100,000**
Anthracene	460	ND	1,200	5,600	ND	**100,000**
Benzo(a)anthracene	1,400	13,000	4,100	17,000	ND	**1,000**
Benzo(a)pyrene	1,300	28,000	4,100	15,000	ND	**1,000**
Benzo(b)fluoranthene	1,600	21,000	4,900	18,000	ND	**1,000**
Benzo(ghi)perylene	820	23,000	2,100	10,000	ND	**100,000**
Benzo(k)fluoranthene	680	8,000	1,700	7,200	ND	**800**
Chrysene	1,400	11,000	4,600	15,000	ND	**1,000**
Dibenzo(a,h)anthracene	ND	ND	780	ND	ND	**330**
Fluoranthene	3,700	19,000	12,000	51,000	ND	**100,000**
Fluorene	ND	ND	450	ND	ND	**30,000**
Indeno(1,2,3-cd)pyrene	740	11,000	2,000	8,000	ND	**500**
Naphthalene	ND	ND	300	ND	ND	**12,000**
Phenanthrene	1,900	7,900	6,500	16,000	ND	**100,000**
Pyrene	3,200	25,000	12,000	46,000	ND	**100,000**

Notes:
NYSDEC = New York State Department of Environmental Conservation
Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs)
* = Per CP-51 Table 1 Supplemental Soil Cleanup Objectives
CP-51 = NYSDEC Final Commissioner Policy
ppb = parts per billion (ug/Kg)
VOCs = Volatile Organic Compounds
SVOCs = Semi Volatile Organic Compounds
ND = Not Detected above the method detection limit of the laboratory.
Highlighted cells indicate detection at or exceeding NYSDEC Guidelines.

EnviroTrac
Environmental Services

ATTACHMENT A

Boring Logs

EnviroTrac
Environmental Services

Geologic Log and Well Construction Details

Log of GP-1

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0				
	1				
	2	24"		0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor.
	3				
	4				
	5				
	6				
	7				
	8	60"	**GP-1 (5'-10')**	0	5'-10': Brown to black medium **SAND** intermixed with urban fill material. Dry to 9' 4" then wet to 10', no odor. Sampled from 5'-10' interval for laboratory analysis.
	9				
	10				

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

Geologic Log and Well Construction Details

Log of GP-2

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 7 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0 1 2 3 4 5 6 7	20"		0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor.
		24"	**GP-2 (5'-7')**	0	5'-7': Brown to black medium **SAND** intermixed with urban fill material. Refusal at 7'. Dry, no odor. Sampled from 5'-7' for laboratory analysis

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

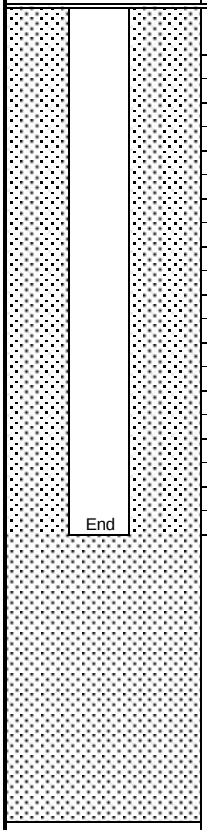
Geologic Log and Well Construction Details

Log of GP-3

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	20" 36"	 **GP-3 (5'-10')**	0 0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with urban fill material. Moist to wet, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

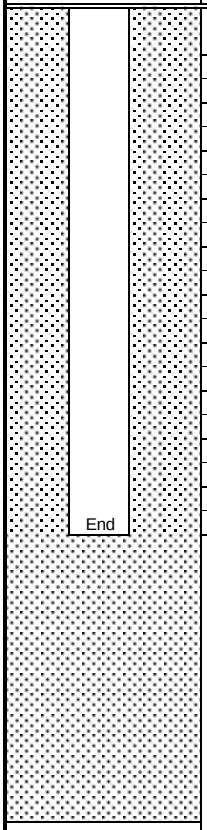
Geologic Log and Well Construction Details

Log of GP-4

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	32" 60"	 **GP-4 (5'-10')**	0 0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

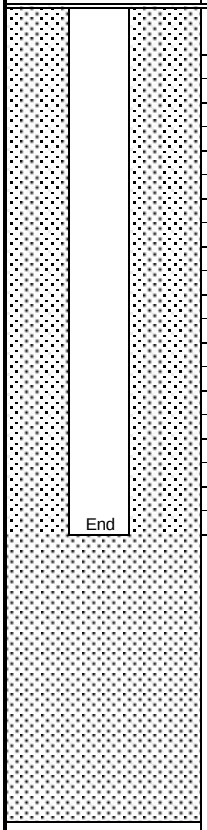
Geologic Log and Well Construction Details

Log of GP-5

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 10 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7 8 9 10	36" 48"	 **GP-5 (5'-10')**	0 0	0-5': Brown to black medium **SAND** intermixed with urban fill material. Dry, no odor. 5'-10': Brown to black medium **SAND** intermixed with fill material. Dry, no odor. Sampled from 5'-10' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

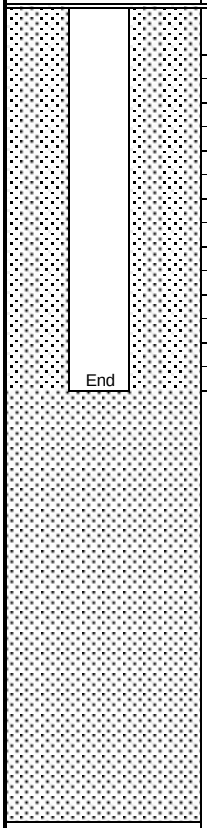
Geologic Log and Well Construction Details

Log of GP-6

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Geoprobe Macro Core Sampler			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 7 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
	0 1 2 3 4 5 6 7	24"		0	0-5': Brown medium **SAND** intermixed with urban fill material. Dry, no odor.
		24"	**GP-6 (5'-7')**	0	5'-7': Brown medium **SAND** intermixed with fill material. Refusal at 7'. Dry, no odor. Sampled from 5'-7' interval for laboratory analysis.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

Geologic Log and Well Construction Details

Log of GP-7

ENVIROTRAC LTD.

5 Old Dock Road, Yaphank, New York 11980

Client: Verizon		Depth to Water (ft. from measuring pt.)		Page 1 of 1
Site Name: Verizon New York, Inc. Facility	Address: 318 Nevins Street, Brooklyn, NY	Date: NA	DTW: NA	Site Elevation Datum: appr. 7 ft. (USGS)
Drilling Company: AARCO	Method: Hand Auger (inside caged area)			Measuring Point Elevation: NA
Date Started: 02/07/13	Date Completed: 02/07/13			
Completion Depth: 5 ft. bg.	*ENVIROTRAC* Geologist: Mike Alliegro			

SOIL BORING (NTS)	DEPTH (ft below grade)	SAMPLES: Recovery (in.)	SAMPLES: ID.	SAMPLES: PID (ppm)	SOIL DESCRIPTION
End	0 1 2 3 4 5	NA	**GP-7 (5')**	0	0'-5': Brown medium **SAND** intermixed with urban fill material. Refusal at 5'. Dry, no odor. Sampled from 5'.

ND - Not Detected NM - Not Measured NA - Not Applicable DTW - Depth to Water

EnviroTrac Environmental Services

ATTACHMENT B

Photographic Documentation

EnviroTrac
Environmental Services

Photograph Documentation

Verizon New York Inc. Facility

318 Nevins Street, Brooklyn, New York

Photograph 1: Concrete patch in garage. Note orange paint is location of GP-3.

Photograph 2: Start of excavation.

Photograph 3: Note urban fill consisting of bricks at start of excavation and that no hydraulic lift was observed.

Photograph 4: Urban fill consisting of glass, rope and apparent ash as excavation is extended in depth.

Photograph 5: Layers of urban fill observed.

Photograph 6: Excavation extended in size to 11-feet below grade.

Photograph 7: Native appearing soil consisting of clay intermixed with fine sand and marsh organics at 11-feet below grade.

Photograph 8: Restoration following excavation.

ATTACHMENT C

Waste Disposal Manifest

EnviroTrac
Environmental Services

CLEANEARTH

Manifest # 771396

GLOBAL JOB NUMBER: 129610 **FACILITY APPROVAL NUMBER:** 1330173766

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Other ______ batch 202443
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Enviotec, 318 Nanas Street, Brooklyn NY	GROSS WEIGHT: ☐Tons ☐Yards 20 yds
	TARE WEIGHT: ☐Tons ☐Yards
GENERATOR'S PHONE:	NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Ken Milan [illegible] Title: Owner

Signature: ______ Date and Time: 3/14/17

TRANSPORTER

Company: DNA [illegible] Phone Number: [illegible]

Address: [illegible] Truck # and License Plate: [illegible]

Driver: Ken Milan SW Haulers Permit #: ______ (applicable state permit #)

(Type or Print Clearly)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: ______ Date and Time: 3/14/17

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: ______ Date and Time: 3/14/17

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 3/15/17

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-0909 Fax: (732) 541-8105

Ticket: 307500267033

	Date	Time	Scale
In:	3/19/2013	12:59:00	Scale 1
Out:	3/19/2013	13:11:09	P.T.

	Lbs	Tns
Gross:	71220	35.61
Tare:	35720	17.86
Net:	35500	17.75

Manifest: 771396
Vehicle ID: AARC0472

Customer: AARCO ENV. SERVICES CORP

Facility Approval#: 133070366

Generator: Verizon
Gen Address: 318 Nevins Street
Brooklyn, NY 11217

Job Name: Verizon / Verizon-Brooklyn
Job Address: 318 Nevins Street
Brooklyn, NY 11217

Origin	Materials & Services	Quantity Unit
Kings	Soil Treatment Type II	17.75 Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil

Comment:

Driver: Ken

Facility: Lukasz Ceglarek

ATTACHMENT D

Laboratory Report

EnviroTrac
Environmental Services

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 20, 2013

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

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Sample ID#s: BD44217 - BD44221

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

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

March 20, 2013

SDG I.D.: GBD44217

BD44217 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD44218 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD44219 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD44220 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD44221 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

March 20, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/06/13	14:32
Location Code:	ENVIROTR	Received by:	SW	03/07/13	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD44217
Phoenix ID: BD44217

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION NORTH SIDEWALL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	03/07/13	KDB	E160.3
Soil Extraction SVOA BN	Completed			03/07/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
Benzene	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
Ethylbenzene	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
Isopropylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
m&p-Xylene	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
Naphthalene	1.3	1.1	ug/Kg	03/12/13	H/J	SW8260
n-Butylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
n-Propylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
o-Xylene	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
p-Isopropyltoluene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
sec-Butylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
tert-Butylbenzene	ND	1.1	ug/Kg	03/12/13	H/J	SW8260
Toluene	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
Total Xylenes	ND	2.2	ug/Kg	03/12/13	H/J	SW8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	101		%	03/12/13	H/J	70 - 130 %
% Bromofluorobenzene	92		%	03/12/13	H/J	70 - 130 %
% Dibromofluoromethane	76		%	03/12/13	H/J	70 - 130 %
% Toluene-d8	98		%	03/12/13	H/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	250	ug/Kg	03/08/13	DD	SW 8270
Acenaphthylene	ND	250	ug/Kg	03/08/13	DD	SW 8270

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Phoenix I.D.: BD44217
Client ID: GARAGE EXCAVATION NORTH SIDEWALL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	460	250	ug/Kg	03/08/13	DD	SW 8270
Benz(a)anthracene	1400	250	ug/Kg	03/08/13	DD	SW 8270
Benzo(a)pyrene	1300	250	ug/Kg	03/08/13	DD	SW 8270
Benzo(b)fluoranthene	1600	250	ug/Kg	03/08/13	DD	SW 8270
Benzo(ghi)perylene	820	250	ug/Kg	03/08/13	DD	SW 8270
Benzo(k)fluoranthene	680	250	ug/Kg	03/08/13	DD	SW 8270
Chrysene	1400	250	ug/Kg	03/08/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/08/13	DD	SW 8270
Fluoranthene	3700	250	ug/Kg	03/08/13	DD	SW 8270
Fluorene	ND	250	ug/Kg	03/08/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	740	250	ug/Kg	03/08/13	DD	SW 8270
Naphthalene	ND	250	ug/Kg	03/08/13	DD	SW 8270
Phenanthrene	1900	250	ug/Kg	03/08/13	DD	SW 8270
Pyrene	3200	250	ug/Kg	03/08/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	90		%	03/08/13	DD	30 - 130 %
% Nitrobenzene-d5	85		%	03/08/13	DD	30 - 130 %
% Terphenyl-d14	110		%	03/08/13	DD	30 - 130 %

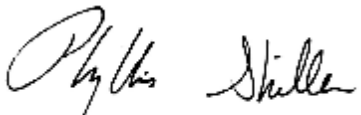
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
March 20, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/06/13	14:38
Location Code:	ENVIROTR	Received by:	SW	03/07/13	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD44217
Phoenix ID: BD44218

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION EAST SIDEWALL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	03/07/13	KDB	E160.3
Soil Extraction SVOA BN	Completed			03/07/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
1,3,5-Trimethylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
Benzene	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
Ethylbenzene	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
Isopropylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
m&p-Xylene	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
Methyl t-Butyl Ether (MTBE)	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
Naphthalene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
n-Butylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
n-Propylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
o-Xylene	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
p-Isopropyltoluene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
sec-Butylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
tert-Butylbenzene	ND	1.3	ug/Kg	03/12/13	K/J	SW8260
Toluene	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
Total Xylenes	ND	2.6	ug/Kg	03/12/13	K/J	SW8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	101		%	03/12/13	K/J	70 - 130 %
% Bromofluorobenzene	89		%	03/12/13	K/J	70 - 130 %
% Dibromofluoromethane	101		%	03/12/13	K/J	70 - 130 %
% Toluene-d8	99		%	03/12/13	K/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	3000	ug/Kg	03/09/13	DD	SW 8270
Acenaphthylene	3200	3000	ug/Kg	03/09/13	DD	SW 8270

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION EAST SIDEWALL

Phoenix I.D.: BD44218

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	ND	3000	ug/Kg	03/09/13	DD	SW 8270
Benz(a)anthracene	13000	3000	ug/Kg	03/09/13	DD	SW 8270
Benzo(a)pyrene	28000	3000	ug/Kg	03/09/13	DD	SW 8270
Benzo(b)fluoranthene	21000	3000	ug/Kg	03/09/13	DD	SW 8270
Benzo(ghi)perylene	23000	3000	ug/Kg	03/09/13	DD	SW 8270
Benzo(k)fluoranthene	8000	3000	ug/Kg	03/09/13	DD	SW 8270
Chrysene	11000	3000	ug/Kg	03/09/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	3000	ug/Kg	03/09/13	DD	SW 8270
Fluoranthene	19000	3000	ug/Kg	03/09/13	DD	SW 8270
Fluorene	ND	3000	ug/Kg	03/09/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	11000	3000	ug/Kg	03/09/13	DD	SW 8270
Naphthalene	ND	3000	ug/Kg	03/09/13	DD	SW 8270
Phenanthrene	7900	3000	ug/Kg	03/09/13	DD	SW 8270
Pyrene	25000	3000	ug/Kg	03/09/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	03/09/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	03/09/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	03/09/13	DD	30 - 130 %

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

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

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

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

Phyllis Shiller, Laboratory Director
March 20, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/06/13	14:41
Location Code:	ENVIROTR	Received by:	SW	03/07/13	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD44217
Phoenix ID: BD44219

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION WEST SIDEWALL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	03/07/13	KDB	E160.3
Soil Extraction SVOA BN	Completed			03/07/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
Benzene	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
Ethylbenzene	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
Isopropylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
m&p-Xylene	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
Naphthalene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
n-Butylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
n-Propylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
o-Xylene	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
p-Isopropyltoluene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
sec-Butylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
tert-Butylbenzene	ND	1.1	ug/Kg	03/12/13	R/J	SW8260
Toluene	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
Total Xylenes	ND	2.2	ug/Kg	03/12/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	120		%	03/12/13	R/J	70 - 130 %
% Bromofluorobenzene	76		%	03/12/13	R/J	70 - 130 %
% Dibromofluoromethane	106		%	03/12/13	R/J	70 - 130 %
% Toluene-d8	96		%	03/12/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	510	260	ug/Kg	03/08/13	DD	SW 8270
Acenaphthylene	430	260	ug/Kg	03/08/13	DD	SW 8270

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION WEST SIDEWALL

Phoenix I.D.: BD44219

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	1200	260	ug/Kg	03/08/13	DD	SW 8270
Benz(a)anthracene	4100	260	ug/Kg	03/08/13	DD	SW 8270
Benzo(a)pyrene	4100	260	ug/Kg	03/08/13	DD	SW 8270
Benzo(b)fluoranthene	4900	260	ug/Kg	03/08/13	DD	SW 8270
Benzo(ghi)perylene	2100	260	ug/Kg	03/08/13	DD	SW 8270
Benzo(k)fluoranthene	1700	260	ug/Kg	03/08/13	DD	SW 8270
Chrysene	4600	260	ug/Kg	03/08/13	DD	SW 8270
Dibenz(a,h)anthracene	780	260	ug/Kg	03/08/13	DD	SW 8270
Fluoranthene	12000	260	ug/Kg	03/08/13	DD	SW 8270
Fluorene	450	260	ug/Kg	03/08/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	2000	260	ug/Kg	03/08/13	DD	SW 8270
Naphthalene	300	260	ug/Kg	03/08/13	DD	SW 8270
Phenanthrene	6500	260	ug/Kg	03/08/13	DD	SW 8270
Pyrene	12000	260	ug/Kg	03/08/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	97		%	03/08/13	DD	30 - 130 %
% Nitrobenzene-d5	90		%	03/08/13	DD	30 - 130 %
% Terphenyl-d14	108		%	03/08/13	DD	30 - 130 %

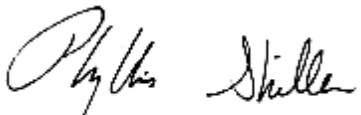
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
March 20, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/06/13	14:56
Location Code:	ENVIROTR	Received by:	SW	03/07/13	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD44217
Phoenix ID: BD44220

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION SOUTH SIDEWALL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	03/07/13	KDB	E160.3
Soil Extraction SVOA BN	Completed			03/07/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
Benzene	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
Ethylbenzene	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
Isopropylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
m&p-Xylene	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
Naphthalene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
n-Butylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
n-Propylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
o-Xylene	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
p-Isopropyltoluene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
sec-Butylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
tert-Butylbenzene	ND	1.1	ug/Kg	03/12/13	K/J	SW8260
Toluene	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
Total Xylenes	ND	2.3	ug/Kg	03/12/13	K/J	SW8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	110		%	03/12/13	K/J	70 - 130 %
% Bromofluorobenzene	83		%	03/12/13	K/J	70 - 130 %
% Dibromofluoromethane	99		%	03/12/13	K/J	70 - 130 %
% Toluene-d8	97		%	03/12/13	K/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	2600	ug/Kg	03/09/13	DD	SW 8270
Acenaphthylene	ND	2600	ug/Kg	03/09/13	DD	SW 8270

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION SOUTH SIDEWALL

Phoenix I.D.: BD44220

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	5600	2600	ug/Kg	03/09/13	DD	SW 8270
Benz(a)anthracene	17000	2600	ug/Kg	03/09/13	DD	SW 8270
Benzo(a)pyrene	15000	2600	ug/Kg	03/09/13	DD	SW 8270
Benzo(b)fluoranthene	18000	2600	ug/Kg	03/09/13	DD	SW 8270
Benzo(ghi)perylene	10000	2600	ug/Kg	03/09/13	DD	SW 8270
Benzo(k)fluoranthene	7200	2600	ug/Kg	03/09/13	DD	SW 8270
Chrysene	15000	2600	ug/Kg	03/09/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	2600	ug/Kg	03/09/13	DD	SW 8270
Fluoranthene	51000	2600	ug/Kg	03/09/13	DD	SW 8270
Fluorene	ND	2600	ug/Kg	03/09/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	8000	2600	ug/Kg	03/09/13	DD	SW 8270
Naphthalene	ND	2600	ug/Kg	03/09/13	DD	SW 8270
Phenanthrene	16000	2600	ug/Kg	03/09/13	DD	SW 8270
Pyrene	46000	2600	ug/Kg	03/09/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	03/09/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	03/09/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	03/09/13	DD	30 - 130 %

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

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

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

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

Phyllis Shiller, Laboratory Director
March 20, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		03/06/13	14:06
Location Code:	ENVIROTR	Received by:	SW	03/07/13	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD44217
Phoenix ID: BD44221

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION BOTTOM

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	03/07/13	KDB	E160.3
Soil Extraction SVOA BN	Completed			03/07/13	BJ/V	SW3545
Volatiles- STARS/CP-51						
1,2,4-Trimethylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
Benzene	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
Ethylbenzene	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
Isopropylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
m&p-Xylene	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
Methyl t-Butyl Ether (MTBE)	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
Naphthalene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
n-Butylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
n-Propylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
o-Xylene	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
p-Isopropyltoluene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
sec-Butylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
tert-Butylbenzene	ND	1.4	ug/Kg	03/13/13	R/J	SW8260
Toluene	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
Total Xylenes	ND	2.7	ug/Kg	03/13/13	R/J	SW8260
QA/QC Surrogates						
% 1,2-Dichlorobenzene-d4	101		%	03/13/13	R/J	70 - 130 %
% Bromofluorobenzene	96		%	03/13/13	R/J	70 - 130 %
% Dibromofluoromethane	101		%	03/13/13	R/J	70 - 130 %
% Toluene-d8	100		%	03/13/13	R/J	70 - 130 %
Semivolatiles-STARS/CP-51						
Acenaphthene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Acenaphthylene	ND	310	ug/Kg	03/08/13	DD	SW 8270

Project ID: VERIZON 318 NEVINS ST BROOKLYN
Client ID: GARAGE EXCAVATION BOTTOM

Phoenix I.D.: BD44221

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Anthracene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Benz(a)anthracene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Benzo(a)pyrene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Benzo(b)fluoranthene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Benzo(ghi)perylene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Benzo(k)fluoranthene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Chrysene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Fluoranthene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Fluorene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Naphthalene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Phenanthrene	ND	310	ug/Kg	03/08/13	DD	SW 8270
Pyrene	ND	310	ug/Kg	03/08/13	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	71		%	03/08/13	DD	30 - 130 %
% Nitrobenzene-d5	76		%	03/08/13	DD	30 - 130 %
% Terphenyl-d14	97		%	03/08/13	DD	30 - 130 %

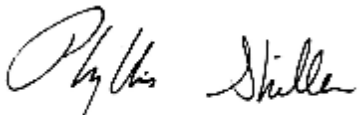
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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

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



Phyllis Shiller, Laboratory Director
March 20, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 20, 2013

QA/QC Data

SDG I.D.: GBD44217

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 223333, QC Sample No: BD43901 (BD44217, BD44219 (50, 1X))										
Volatiles - Solid										
1,2,4-Trimethylbenzene	ND	107			107	124	14.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	106			108	126	15.4	70 - 130	30	
Benzene	ND	111			109	124	12.9	70 - 130	30	
Ethylbenzene	ND	109			110	130	16.7	70 - 130	30	
Isopropylbenzene	ND	110			108	127	16.2	70 - 130	30	
m&p-Xylene	ND	109			111	130	15.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	108			110	120	8.7	70 - 130	30	
Naphthalene	ND	130			113	114	0.9	70 - 130	30	
n-Butylbenzene	ND	104			116	131	12.1	70 - 130	30	m
n-Propylbenzene	ND	109			109	128	16.0	70 - 130	30	
o-Xylene	ND	115			111	129	15.0	70 - 130	30	
p-Isopropyltoluene	ND	108			113	131	14.8	70 - 130	30	m
sec-Butylbenzene	ND	108			111	131	16.5	70 - 130	30	m
tert-Butylbenzene	ND	110			109	130	17.6	70 - 130	30	
Toluene	ND	111			111	127	13.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	100			101	99	2.0	70 - 130	30	
% Bromofluorobenzene	94	101			102	102	0.0	70 - 130	30	
% Dibromofluoromethane	97	101			104	99	4.9	70 - 130	30	
% Toluene-d8	100	101			101	101	0.0	70 - 130	30	
Comment:										
Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.										
QA/QC Batch 222899, QC Sample No: BD43901 (BD44217, BD44218, BD44219, BD44220, BD44221)										
Polynuclear Aromatic HC - Solid										
Acenaphthene	ND	90	85	5.7	91	72	23.3	30 - 130	30	
Acenaphthylene	ND	86	83	3.6	93	77	18.8	30 - 130	30	
Anthracene	ND	88	91	3.4	104	90	14.4	30 - 130	30	
Benz(a)anthracene	ND	86	80	7.2	95	80	17.1	30 - 130	30	
Benzo(a)pyrene	ND	82	81	1.2	84	66	24.0	30 - 130	30	
Benzo(b)fluoranthene	ND	91	84	8.0	93	83	11.4	30 - 130	30	
Benzo(ghi)perylene	ND	85	84	1.2	94	87	7.7	30 - 130	30	
Benzo(k)fluoranthene	ND	95	86	9.9	99	83	17.6	30 - 130	30	
Chrysene	ND	90	85	5.7	98	83	16.6	30 - 130	30	
Dibenz(a,h)anthracene	ND	88	87	1.1	92	85	7.9	30 - 130	30	
Fluoranthene	ND	85	85	0.0	117	95	20.8	30 - 130	30	
Fluorene	ND	89	85	4.6	95	76	22.2	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	88	88	0.0	92	85	7.9	30 - 130	30	
Naphthalene	ND	86	79	8.5	108	94	13.9	30 - 130	30	
Phenanthrene	ND	88	91	3.4	121	110	9.5	30 - 130	30	
Pyrene	ND	85	85	0.0	134	111	18.8	30 - 130	30	m
% 2-Fluorobiphenyl	86	91	82	10.4	96	73	27.2	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Nitrobenzene-d5	79	85	82	3.6	93	74	22.8	30 - 130	30	
% Terphenyl-d14	81	85	87	2.3	131	102	24.9	30 - 130	30	m

Comment:

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

QA/QC Batch 223210, QC Sample No: BD44217 (BD44218, BD44220)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	113	104	8.3	85	106	22.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	115	105	9.1	85	110	25.6	70 - 130	30	
Benzene	ND	119	113	5.2	96	109	12.7	70 - 130	30	
Ethylbenzene	ND	116	109	6.2	88	107	19.5	70 - 130	30	
Isopropylbenzene	ND	124	112	10.2	90	116	25.2	70 - 130	30	
m&p-Xylene	ND	115	108	6.3	88	105	17.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	108	110	1.8	102	108	5.7	70 - 130	30	
Naphthalene	ND	100	126	23.0	73	68	7.1	70 - 130	30	m
n-Butylbenzene	ND	104	94	10.1	75	92	20.4	70 - 130	30	
n-Propylbenzene	ND	118	108	8.8	84	109	25.9	70 - 130	30	
o-Xylene	ND	121	114	6.0	89	108	19.3	70 - 130	30	
p-Isopropyltoluene	ND	115	104	10.0	80	101	23.2	70 - 130	30	
sec-Butylbenzene	ND	119	109	8.8	81	104	24.9	70 - 130	30	
tert-Butylbenzene	ND	125	115	8.3	87	111	24.2	70 - 130	30	
Toluene	ND	118	112	5.2	91	106	15.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	98	101	3.0	103	100	3.0	70 - 130	30	
% Bromofluorobenzene	95	99	100	1.0	99	95	4.1	70 - 130	30	
% Dibromofluoromethane	97	101	104	2.9	81	79	2.5	70 - 130	30	
% Toluene-d8	99	100	100	0.0	100	99	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 223780, QC Sample No: BD44682 (BD44221)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	122	113	7.7				70 - 130	30	
1,3,5-Trimethylbenzene	ND	121	113	6.8				70 - 130	30	
Benzene	ND	121	112	7.7				70 - 130	30	
Ethylbenzene	ND	121	113	6.8				70 - 130	30	
Isopropylbenzene	ND	123	116	5.9				70 - 130	30	
m&p-Xylene	ND	123	114	7.6				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	111	102	8.5				70 - 130	30	
Naphthalene	ND	126	97	26.0				70 - 130	30	
n-Butylbenzene	ND	122	109	11.3				70 - 130	30	
n-Propylbenzene	ND	126	117	7.4				70 - 130	30	
o-Xylene	ND	125	117	6.6				70 - 130	30	
p-Isopropyltoluene	ND	126	115	9.1				70 - 130	30	
sec-Butylbenzene	ND	122	113	7.7				70 - 130	30	
tert-Butylbenzene	ND	125	117	6.6				70 - 130	30	
Toluene	ND	122	114	6.8				70 - 130	30	
% 1,2-dichlorobenzene-d4	102	100	99	1.0				70 - 130	30	
% Bromofluorobenzene	96	99	99	0.0				70 - 130	30	
% Dibromofluoromethane	100	104	99	4.9				70 - 130	30	
% Toluene-d8	100	100	100	0.0				70 - 130	30	

Comment:

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

QA/QC Data

SDG I.D.: GBD44217

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
March 20, 2013

Sample Criteria Exceedences Report

GBD44217 - ENVIROTR

Requested Criteria: None

State: NY

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

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 20, 2013

SDG I.D.: GBD44217

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

Yow/C+IO

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

Temp | Pg | of 1

Data Delivery:
- ☐ Fax #:
- ☒ Email: Jeff B @ Envirotrac.com

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

Project: Verizon 318 Nevins St Brooklyn N.Y
Report to: Jeff Bohlen
Invoice to: Jeff Bohlen

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/6/13

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

Analysis Request

Containers: Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O; GL Soil container (8) oz; GL Soil container (4) 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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	CP-51 VOC's	CP-51 SVOC's	GL Soil container (8 oz)	GL Soil container (4 oz)
44217	Garage Excavation North Sidewall	S	3/6/13	14:32	X	X	1	1
44218	Garage Excavation East Sidewall	S	3/6/13	14:38	X	X	1	1
44219	Garage Excavation West Sidewall	S	3/6/13	14:41	X	X	1	1
44220	Garage Excavation South Sidewall	S	3/6/13	14:56	X	X	1	1
44221	Garage Excavation Bottom	S	3/6/13	14:06	X	X	1	1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/6/13	18:00
[signature]	[signature]	3-7-13	1546

Comments, Special Requirements or Regulations:

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
- ☐ TOGS GA
- ☐ TAGM 4046 SOIL
- ☐ NY375 Unrestricted Soil
- ☐ NY375 Residential Soil
- ☐ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: N.Y

Appendix F

Additional Remedial Work Plan & NYSDEC Approval Letter

EnviroTrac
Environmental Services

Thomas H. Bosshard, CPG
Environmental Manager, Global EH&S Compliance
501 North Ocean Avenue, Patchogue, NY 11772

Phone (631) 654-7920, Fax (631) 475-2217
thomas.bosshard@verizon.com

January 31, 2013

Mr. Jonathan Kolleeny
NYSDEC – Region 2
One Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101

Re: Verizon New York Inc. Facility, 318 Nevins Street, Brooklyn, NY, NYSDEC Spill # 92-07367

Mr. Kolleeny,

To supplement our meeting with Jeff Bohlen of EnviroTrac on October 25, 2012, enclosed please find the Additional Remedial Work Plan – Revised prepared by EnviroTrac for the referenced location. This work plan outlines the proposed remediation of residual VOC contaminants in the area of off-site monitoring well MW-8, in conjuction with the closure of all on-site monitoring wells. Note that this revision supersedes the Additional Remedial Work Plan dated January 23, 2013 to include a Community Air Monitoring Plan per your request.

As explained during the meeting, Verizon New York Inc. has recently vacated this leased location in December 2012, with expiration of the lease to follow in 2013. Following extensive and successful on-site remediation, including source removal efforts as part of tank removal projects in both 2003 and 2006, and exhaustion of in-situ remedial alternatives in the sidewalk at MW-8, it is our objective to aggressively remove residual contaminants in the area of MW-8 to facilitate a spill closure evaluation in the near future.

We appreciate your time in reviewing the enclosed work plan and look forward to continue working with you on this project. Please do not hesitate to contact me directly at 631-654-7920 if you have any questions or comments regarding the proposed approach.

Sincerely,

Thomas H. Bosshard, CPG
Regional Environmental Specialist

Enclosure

January 31, 2013

Mr. Jonathan Kolleeny
NYSDEC – Region 2
Hunters Point Plaza
47-40 21st Street
Long Island City, New York 11101-5401

Re: **Additional Remedial Work Plan – Revised**
Verizon New York, Inc. Facility
318 Nevins Street
Brooklyn, New York
NYSDEC Spill #92-07367

Dear Mr. Kolleeny,

EnviroTrac Ltd. (EnviroTrac), on behalf of Verizon New York Inc. (Verizon) is submitting an Additional Remedial Work Plan for New York State Department of Environmental Conservation (NYSDEC) Spill Number 92-07367 at the above-referenced property. This Additional Remedial Work Plan will supersede the previously-approved Remedial Work Plan submitted by EnviroTrac dated July 25, 2008, which was approved by the NYSDEC in a letter dated August 6, 2008 and implemented in September 2008. The site location is depicted on Figure 1.

Background

The scope of work for the Additional Remedial Work Plan was discussed during our meeting with Mr. Thomas Bosshard of Verizon and Mr. Vadim Brevdo and Mr. Paul John of the NYSDEC on October 25, 2012. Below is a summary of the meeting discussion and proposed scope of work:

1. Introduction – Verizon's property lease is set to expire at the end of 2013 and may be terminated sooner. The tentative plan is to close the building on or about December 15, 2012.

2. Site History – Discussed previous underground storage tank (UST) and source soil removals in 2003 and 2006, various historical off-site remedial efforts, 2nd Quarter 2012 Groundwater Monitoring Report, 3rd Quarter 2012 Draft groundwater data and hydrograph of MW-8.

3. Remedial Options – Verizon obtained verbal approval from the NYSDEC to prepare an Additional Remedial Work Plan for closure of all on-site monitoring wells and to perform an excavation in the area of off-site monitoring well MW-8 located within the southern sidewalk of Union Street, adjacent and to the north of the site. The NYSDEC indicated that a chemical oxidant should be applied in the open excavation prior to

backfilling the sidewalk excavation and to replace any off-site monitoring wells that may become damaged or destroyed from excavation activities. Quarterly groundwater monitoring of the off-site well network would then be performed to demonstrate a downward trend in dissolved groundwater concentrations for evaluation of the request for spill closure.

Scope of Work

Task 1 - Public and Private Utility Mark-outs

Prior to work, EnviroTrac will notify the New York City One-Call center for public utility mark-outs of the work area. Following public utility mark-outs, EnviroTrac will contract a private utility mark-out company to mark and confirm any private and/or additional public utilities in the work area.

Task 2 - Abandon 9 On-site Monitoring Wells

As shown on Figure 2, on-site monitoring wells MW-3, MW-4, MW-6, MW-7, MW-10, MW-13, MW-15, MW-16, and MW-17 will be abandoned according to NYSDEC specifications. In addition, the manholes will be removed and the surface will be patched with asphalt to match the existing pavement.

Task 3 - Excavate Petroleum-Impacted Soil from MW-8 Sidewalk Area

Following receipt of a New York City Department of Transportation (NYCDOT) sidewalk opening permit, the work will be scheduled. The size of the excavation will be approximately 16'x16'x16' (Figure 2). The work area will be spilt (one-half of the sidewalk excavated at a time) to allow for sidewalk pedestrian traffic. A wooden parapet structure will be constructed to secure the work area from the public. A shoring box will be used to obtain the desired depth of the excavation and to minimize undermining of surrounding structures. Depth to groundwater at MW-8 ranges from approximately 7 to 11 feet below grade.

Following removal of petroleum-impacted soil, approximately 480 pounds of the chemical oxidizer RegenOx, manufactured by Regenesis will be applied to the saturated portion of the excavation. Additionally, approximately 50 pounds of Oxygen Release Compound Advanced (ORCA), also manufactured by Regenesis will be added to the saturated portion of the excavation to provide a long-term oxygen source in this area.

Petroleum-impacted soil will be staged on-site in sealed roll-off containers pending approval for disposal to an approved off-site facility. Any monitoring wells destroyed during the sidewalk excavation will be re-installed within the excavation during backfilling. The saturated portion of the excavation will be backfilled with gravel and the unsaturated portion backfilled with clean fill. The sidewalk will then be restored with concrete to match the existing sidewalk.

Task 4 – Community Air Monitoring Plan

The following Community Air Monitoring Plan (CAMP) will be implemented during excavation activities for monitoring volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of the sidewalk work area:

VOC Monitoring, Response Levels, and Actions

VOCs will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure petroleum-related VOCs. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings will be recorded and be available for State (DEC and DOH) personnel to review, if required. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations during excavation activities. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for State (DEC and DOH) personnel to review, if required.

Task 5 – Operation, Maintenance and Monitoring Plan (OMMP) & Reporting

As per the site's current groundwater sampling schedule, groundwater monitoring of the off-site monitoring well network will continue to be conducted on a quarterly basis during the months of March, June, September and December 2013. Groundwater monitoring will include well gauging for depth to water, dissolved oxygen and temperature, and the collection of groundwater samples for laboratory analysis of volatile organic compounds (VOCs) via USEPA Method 8260 (CP-51 List of compounds).

The sidewalk excavation, waste disposal, RegenOx/ORCA application, in addition to quarterly off-site groundwater monitoring, will be summarized in the respective quarterly groundwater monitoring reports. Results of post-excavation quarterly 2013 off-site groundwater monitoring will be continually evaluated for the request of spill closure.

Schedule

Following NYSDEC approval of this Additional Remedial Work Plan, the tentative schedule is as follows:

1. Obtain a sidewalk opening permit from the NYCDOT and conduct utility mark-outs. Estimated timeframe is three weeks from NYSDEC approval.
2. Abandon all nine (9) on-site monitoring wells. Estimated duration is two days.
3. Conduct sidewalk excavation and restoration. Estimated duration is ten days.
4. Quarterly groundwater gauging and monitoring. Estimated duration is one day per monitoring event.

Following your approval, it is anticipated that the above-proposed work can start in February 2013. Once a start date is confirmed, the NYSDEC will be notified a minimum of one week in advance of the start date.

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

Sincerely,
EnviroTrac Ltd.

Jeffrey A. Bohlen, CPG
Senior Project Manager/Principal Geologist

Enclosures – Figures 1 and 2

CC: Mr. Thomas H. Bosshard, CPG
Environmental Manager, Verizon Global EH&S Compliance

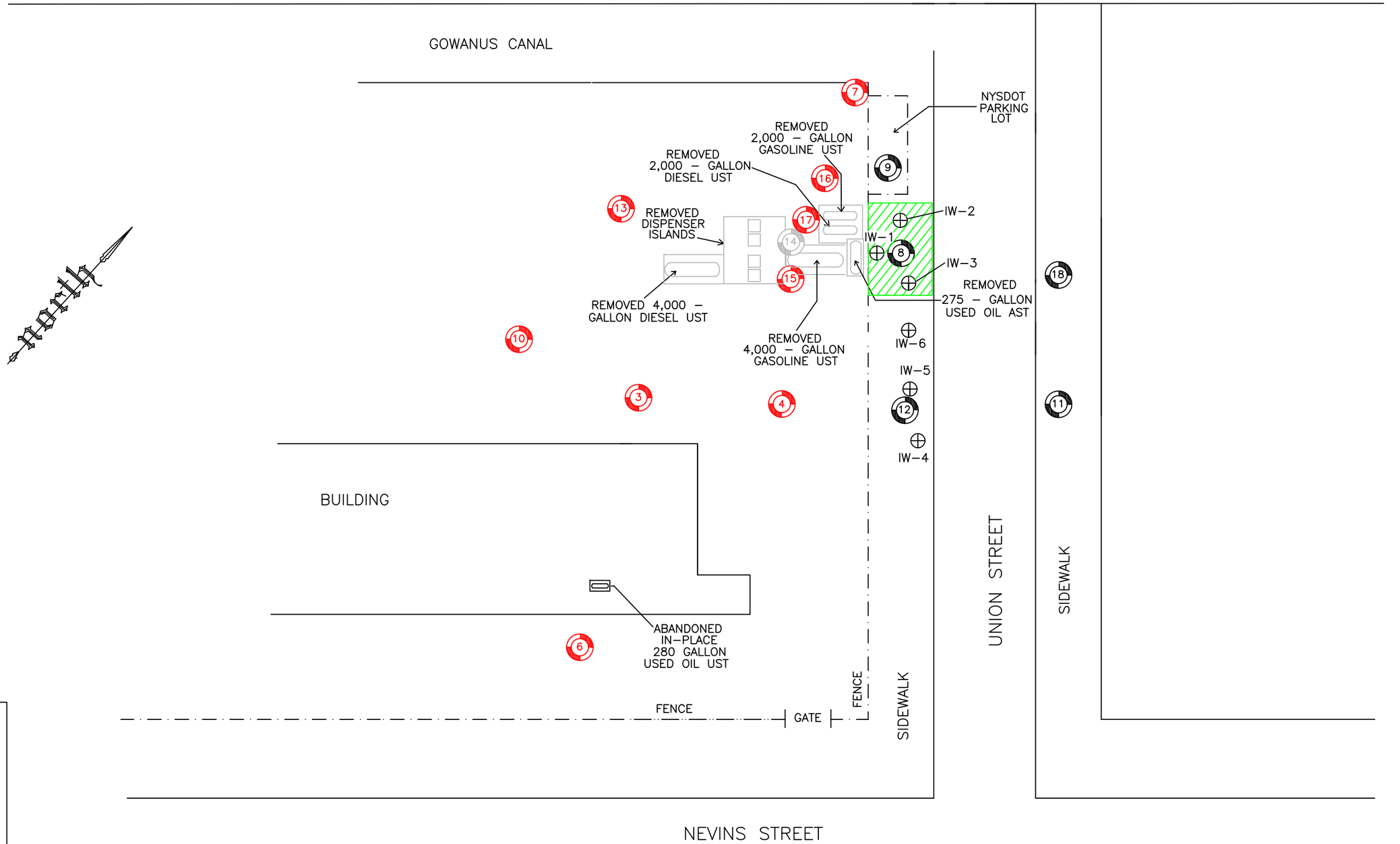
AERIAL PHOTOGRAPH

Figure 1
Aerial Photograph

Verizon New York Facility
318 Nevins Street
Brooklyn, NY

N
W E
S

EnviroTrac
Environmental Services
5 Old Dock Road
Yaphank, NY 11980
P: 631-924-3001 F:631-924-5001



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

0 20 FT. 40

REVISION DATE:	SCALE:	REVISED BY:
JANUARY 23, 2013	1" = 40 FEET	TB

verizon

VERIZON NEW YORK FACILITY
318 NEVINS STREET
BROOKLYN, NEW YORK

SITE PLAN

FIGURE # 2

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
One Hunters Point Plaza
47-40 21st Street, Long Island City, NY 11101-5407
Phone: (718) 482-6388 **Fax:** (718) 482-6390
Website: www.dec.ny.gov **E-Mail:** jakollee@gw.dec.state.ny.us

Joe Martens
Commissioner

February 1, 2013

Thomas H. Bosshard, CPG
Environmental Manager, Verizon Global EH&S Compliance
501 North Ocean Avenue
Patchogue, New York 11772

Re: Verizon New York, Inc. Facility
318 Nevins Street, Brooklyn, New York
NYSDEC Spill Case 9707367

Dear Mr. Bosshard:

I have reviewed the *Additional Remedial Work Plan* pertaining to the above-referenced spill site, dated January 31, 2013, prepared by EnviroTrac Ltd. on behalf of Verizon New York, Inc. The additional remedial work plan proposes excavation of soil from the vicinity of monitoring well MW-8, in the sidewalk along Union Street adjacent to the site, and application of RegenOx™ and ORC Advanced® to the excavation. The existing on-site monitoring wells will be abandoned, and any wells destroyed during excavation will be replaced for post-excavation groundwater monitoring, which will be performed and reported on a quarterly basis. The work plan includes a Community Air Monitoring Plan.

The *Additional Remedial Work Plan* is approved, with the following comment:

- If feasible, end-point soil samples should be collected from the sidewalls of the excavation to document soil conditions at the excavation limits.

Please be advised that the Responsible Party and its contractor(s) are solely responsible for the safe execution of all invasive work performed at the site, and in particular, are responsible for identifying subsurface utilities and safeguarding the structural integrity of any excavations, buildings, utilities, and other structures both on- and off-site that may be adversely affected by the work. The Responsible Party and its contractors must obtain any local, state or federal permits or approvals that may be required to perform the work necessary to address this spill. Furthermore, the Responsible Party and its contractors are solely responsible for the implementation of all appropriate health and safety measures during the performance of this work, including community air monitoring for potential vapors and dust.

Feel free to contact me at (718) 482-6388 if you have any questions.

Sincerely,

Jonathan Kolleeny
Engineering Geologist 2
Division of Environmental Remediation

cc: Vadim Brevdo – NYSDEC
Jeffrey Bohlen – EnviroTrac
File

Appendix G

Catch Basin Waste Manifest

EnviroTrac
Environmental Services

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WATER MANIFEST

1. Generator's US EPA ID No. . . . . | Manifest Doc. No. 54055 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address VERIZON
318 NEVINS ST.
BROOKLYN NY

4. Generator's Phone ( )

5. Transporter 1 Company Name: **AARCO ENVIRONMENTAL SERVICES CORP.** | 6. US EPA ID Number: N.Y.R.0.0.0.1.0.7.3.2.6 | A. Transporter's Phone: **631-586-5900**

7. Transporter 2 Company Name | 8. US EPA ID Number . . . . . | B. Transporter's Phone

9. Designated Facility Name and Site Address ~~CLEAN WATER OF NY INC~~
~~3249 Richmond Terrace~~
~~STATEN ISLAND NY~~ | 10. US EPA ID Number . . . . . | C. Facility's Phone

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. (NON-HAZ) WATER	01	TT	365	GAL
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above
NO18
128

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Agent For | Signature: X | Month 12 | Day 23 | Year 13

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Gerard Sallows | Signature | Month 12 | Day 23 | Year 13

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month . | Day . | Year .

FACILITY

19. Discrepancy Indication Space
NO OIL
94 Hausman ST
Brooklyn NY

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.
Printed/Typed Name: NY OIL RECOVERY | Signature | Month 3 | Day 6 | Year 13

ORIGINAL – RETURN TO GENERATOR

#13-19176

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WATER MANIFEST

1. Generator's US EPA ID No. . . . . Manifest Doc. No. 54102 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address: Verizon, 318 Nevins St, Brooklyn NY

4. Generator's Phone ( )

5. Transporter 1 Company Name: **AARCO ENVIRONMENTAL SERVICES CORP.** 6. US EPA ID Number: N.Y.R.0.0.0.1.0.7.3.2.6 A. Transporter's Phone: **631-586-5900**

7. Transporter 2 Company Name 8. US EPA ID Number . . . . . B. Transporter's Phone

9. Designated Facility Name and Site Address: Clearbrook Environmental, 972 Nicolls Rd, Deer Park, NY 11729 10. US EPA ID Number . . . . . C. Facility's Phone: (631) 586-0002

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Solids	001	TT	3½	yd
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: As Agent For — Signature — Month 02 Day 28 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: John Zinsie — Signature — Month 02 Day 28 Year 13

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Mark Boggs — Signature — Month 2 Day 28 Year 13

ORIGINAL – RETURN TO GENERATOR