FORMER TOMAT SERVICE STATION
SITE No. C224217

1815-1825 OCEAN AVENUE
BROOKLYN, NEW YORK 11230
Block 7656, Lot Nos. 55 & 58

INTERIM REMEDIAL MEASURE CONSTRUCTION COMPLETION REPORT

December 2015

Prepared for:

Ocean Units LLC
1247 49th Street; Suite 443
Brooklyn, NY 11219

AMC Engineering, PLLC
99 Jericho Turnpike, Suite 300J
Jericho, NY 11753

TABLE OF CONTENTS
INTERIM REMEDIAL MEASURE
CONSTRUCTION COMPLETION REPORT
Former Tomat Service Station Site - 1815-1825 Ocean Avenue, Brooklyn, NY

TABLES

FIGURES

APPENDICES

CERTIFICATIONS

I, Ariel Czemerinski, certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Interim Remedial Measure Work Plan was implemented and that all construction activities were completed in substantial conformance with the DER-approved Interim Remedial Measure Work Plan.

076508	12/31/15	
NYS Professional Engineer #	Date	Signature

1.0 INTRODUCTION

This Interim Remedial Measure (IRM) Construction Completion Report (CCR) was prepared on behalf of Ocean Units LLC for the property located at 1815-1825 Ocean Avenue in the Midwood neighborhood of Brooklyn, New York (**Figure 1**). In May 2015, Ocean Units LLC filed an application with the New York State Department of Environmental Conservation (NYSDEC), to admit the Project Site into the New York State Brownfield Cleanup Program (BCP). The application was deemed complete by the NYSDEC on May 15, 2015. On June 29, 2015, the NYSDEC informed Ocean Units LLC that the project (Site No. C224217) had been accepted into the BCP with Ocean Units LLC classified as a "Volunteer". The Brownfield Cleanup Agreement was executed by DEC on July 13, 2015.

Ocean Units LLC is not affiliated in any way with the owners and operators of Tomat Service Station, and did not cause the release of contaminants or own the property at the time the contaminants were released.

This CCR addresses the excavation of soil for the installation of a single foundation element at the Site. This work will allow the developer to meet its oblications under the 421a program for the project, while the process of developing a comprehensive remedial plan for the entire Site proceeds.

1.1 Site Location and Description

The address of the Site is 1815-1825 Ocean Avenue (Figure 1) Brooklyn, New York. The Site to be remediated and redeveloped is located in the Midwood section of Brooklyn (Kings County) and is comprised of two tax parceles (Block 7656, Lots 55 & 58) totaling 16,555 square feet (0.38 acres). The subject property is located in the City of New York and Borough of Brooklyn (Kings County). The Site is 150.5 feet wide and 110 feet deep.

The lot is currently developed with a one-story gasoline service station building (Lot 55) and a parking lot (Lot 58). The building has a footprint of approximately 2,190 s.f. which, according to the NYC Department of Buildings, was constructed in 1931.

The elevation of the Site is approximately 25 feet above the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes to the southwest. The depth to groundwater beneath the Site, as determined from field measurements, is approximately 20-23 feet below grade. Groundwater flow is expected to be northwest based on surveys included in the prior investigations.

The surrounding land use is primarily residential or a mix of multifamily residential buildings to the north east, west and south.

1.2 Redevelopment Plans

The Site will be redeveloped through the construction of a new 8-story residential building which will cover 65 percent of the Site. The Site will be developed with a cellar; which will occupy the center portion of the lot down to about 10-12 feet below grade. The cellar will be utilized for

bike storage, refuse area, elevator mechanical room, sprinkler room, water meter room, electrical meter room and a gas meter room. The slab on grade area; 44.3 x 110 foot area on the south side of the site will be excavated to a depth of 2 feet and the slab on grade area; 50.4 x 110 foot area on the north side of the site will be excavated to a depth of 2 feet. A 40 x 150 foot yard area on the east side of the site will not be excavated. The elevator pit will be excavated to approximately 15 feet. The maximum height of the building will be proposed at eighty feet tall with additional height provided for accessory spaces as permitted. The front yard will match the adjacent buildings on the street with a minimum of forty feet in the rear yard; the building will be proposed up to the side lot lines. The building will be proposed with a maximum of ninety-three units with a mix of one, two and three bedroom units.

1.3 Site History

The environmental history of the subject lots was previously investigated through the review of Federal and State Environmental databases, Environmental Sanborn Fire Insurance maps, NYC Department of Building records and the NYC Department of Finance databases as part of a Phase I Environmental Screening completed in April 2015 by EBC.

Prior to the construction of the existing improvements (circa 1950), the Site was occupied by a gas station (lot 55) and 2-story dwelling (lot 58) in the 1930's. From 1895 to 1906, the site was vacant land (lot 55) and a 2-story dwelling (lot 58).

The Site address (1817 Ocean Avenue) is listed in the city directories for the years 1928 through 1973 (intermittent). The Site address is listed with various gasoline service stations including Mileage Gas Corp (1928), Gas Stations Inc Main Office (1934), Mid Ocean Service Station (1945 & 1949), Dentes Service Station, Mid Brook Service Station (1960 & 1965), Harry's Service Center (1970) and Ronnies Service (1973). In addition, the Site address (1823 Ocean Avenue) is also listed in the city directories for the years 1928 through 1960 (intermittent) with various residential tenants.

In the 1930 Sanborn map four gasoline tanks are depicted on the west side of the Site. In the 1950-2007 Sanborn maps, five gasoline tanks are depicted on the west side of the Site. The present day commercial building was constructed in approximately 1931. The site is currently developed as a Sunoco gasoline station and auto repair facility and parking lot.

In addition, two spills were reported (Spill No. 1408472) in 2014 when soil contamination (at the 23-25 foot range and depth to water was reported at 30 feet) was encountered during the phase II investigation at the Site and Spill No 1501018 in 2015 when soil contamination (23 to 25 feet and depth to water was reported at 22.5 feet) was encountered during the phase II investigation at the Site.

The Site is listed on the PBS database under the name Tomat Service Center Inc. (PBS No. 2-339474). The database lists this site as a PBS facility with three currently registered underground storage tanks (USTs) and three registered ASTs. Nine 550 gallon gasoline tanks are listed as "closed" prior to March 1991. The remaining tanks include; two 4,000 gallon gasoline USTs and one 550-galllon #2 fuel oil UST, two 275-gallon motor oil AST and one 240-gallon waste oil AST. These tanks are listed as "in-service" and remain on the property.

The 550-gallon #2 fuel oil UST was installed on June 1, 1972 the two 4000-gallon gasoline USTs were installed on July 1, 1989. Tank tightness testing for the two 4,000-gallon gasoline USTs was conducted on February 6, 2012 and the next test is scheduled for February 6, 2017. Tank tightness testing for the # 2 fuel oil UST was conducted on September 27, 2013.

1.4 Summary of Previous Investigations

Environmental investigations performed at the Site include the following:

- Subsurface Assessment Report – 1815 Ocean Avenue, Brooklyn, NY. Hydrotech Environmental, Corp. December 30, 2014
- Phase II Investigation Report- 1815 Ocean Avenue, Brooklyn NY. Environmental Business Consultants (EBC) dated February 25, 2015
- Phase II Data Summary for 1825 Ocean Avenue, Brooklyn, NY. Environmental Business Consultants (EBC) dated April 29, 2015
- Phase I Screening for 1815-1825 Ocean Avenue, Brooklyn, NY. Environmental Business Consultants (EBC) dated April 30, 2015

1.4.1 December 30, 2014 – Subsurface Assessment Report (Hydrotech Environmental Corp)

Hydro Tech Environmental, Corp. has performed a Subsurface Assessment at the property located at 1815 Ocean Avenue, Brooklyn, New York. This assessment was conducted on behalf of Tomat Service Center Inc. based upon their request to investigate the overall soil and groundwater quality.

The assessment consisted of the performance of the installation and sampling of a series of soil probes, groundwater probes, and monitoring wells. A Hydro Tech geologist screened all soil samples in the field for organic vapors utilizing a Photoionization Detector. Select soil, groundwater, and monitoring well samples were analyzed at a State-certified laboratory for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). A select soil and groundwater sample was additionally analyzed for diesel range organic compounds and gasoline range organic compounds.

The results of the assessment are contained in this report. VOCs are present in soil samples at the groundwater interface and in the groundwater in the vicinity of a fuel oil UST located to the north of the building at concentrations exceeding their respective regulatory standards. The petroleum compounds identified in the soil and groundwater samples has been classified as #2 fuel oil, as per the fingerprint analysis obtained from the 23-25 foot soil sample from SP-9 and the groundwater sample from MW-1.

Dissolved VOCs (MW2 and MW3) are also present in groundwater beneath the southern portion of the Site, to the south of gasoline tanks and pump islands, at high concentrations exceeding their regulatory standards. Total VOCs in MW2 were noted to be 4,006.6 ug/L and at 6,471.7 ug/L in MW3. These findings indicate that groundwater has been impacted. Spill #1408472 is associated with the Site.

In addition, a ground penetrating radar survey (GPR) was conducted to clear sampling locations and discover any anomalies. One anomaly was identified on the north side of the interior of the site and is associated with a UST.

1.4.2 Phase II Investigation Report- 1815 Ocean Avenue, Brooklyn NY. Environmental Business Consultants (EBC) dated February 25, 2015

The field work portion of the investigation was performed on February 7, 2015. The work consisted of the installation of four soil borings, two permanent monitoring wells, two temporary monitoring wells, and the collection and analysis of related samples. Four soil boring locations (B1 through B4) were selected. All of the borings were advanced with Geoprobe™ direct push equipment to a depth of 25 ft. Soil was characterized as a brown slit and sand with some historic fill material mixed in from surface grade to generally 1 foot below grade with the deepest locations at approximately 6-8 feet below grade followed by a brown silt and brown coarse fine sand to the termination depth. Groundwater was encountered and is expected at approximately 17 to 22 ft below grade.

PID readings of 130 ppm and petroleum odors were noted in B1 within the 21-25 foot interval. Petroleum odors were noted in the 21-25 foot interval of B2. PID readings of 250 ppm and petroleum odors were noted in B3 within the 21-25 foot interval. PID readings of 200 ppm were noted in B4 within the 21-25 foot interval. Soil samples were collected from the following intervals; 0-2 feet (B2 and B3) and 22-24 feet (B1-B4).

EBC collected four groundwater samples from each of the characterization borings (B1, B2, B3, B4). Permanent monitoring wells were installed for locations GW2 and GW4 by advancing the borehole to the water table (approx. 17 to 22 ft bgs) and installing a one-inch diameter PVC well 5-feet below the water table interface. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Laboratories for analysis of VOCs by EPA Method 8260.

Deep soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by USEPA method 8260. Shallow soil samples were analyzed for total lead.

Soil sample results were compared to the Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in 6 NYCRR Part 375 Subparts 375-1 to 375-4 & 375-6. The following VOCs; 1,2,4-trimethylbenzene (maximum of 31,000 µg/Kg), 1,3,5-trimethylbenzene (maximum of 9,900 µg/Kg), m&p-Xylenes (maximum of 2,300 µg/Kg), methylene chloride (maximum of 280 µg/Kg), naphthalene (at 14,000 µg/Kg) and o-xylene (maximum of 570 µg/Kg) were detected above Unrestricted Use SCOs in samples B1 and B2. VOCs including 2-isopropyltoluene (230 µg/Kg), acetone (maximum 34 µg/Kg), ethylbenzene (maximum 480 µg/Kg), n-butylbenzene (maximum 2,700 µg/Kg), n-propylbenzene (maximum 2,100 µg/Kg), p-isopropyltoluene (maximum 600 µg/Kg), sec-butylbenzene (maximum 860 µg/Kg) were detected at trace amounts in all soil samples. Lead was detected above Unrestricted Use SCOs in B2 and B3 shallow soil samples; at a maximum of 366 mg/kg.

Groundwater results were compared to the New York State Ambient Water Quality Standards and Guidance Values (6 NYCRR Part 703) as presented in the Technical & Operational

Guidance Series (TOGS) 1.1.1 (1998). Several VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, isopropylbenzene, m&p-Xylenes, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene and sec-butylbenzene were reported in all of the four monitoring wells above groundwater standards. 2-isopropyltoluene was reported in one groundwater well (GW4) above groundwater standards. Acetone was reported in two groundwater well (GW2 and GW3) above groundwater standards. Benzene was reported in one groundwater well (GW1) above groundwater standards. Toluene was reported in two groundwater well (GW1 and GW4) above groundwater standards.

Soil and groundwater samples collected in the vicinity of the USTs indicate gasoline contamination. Several gasoline related VOCs were detected above Unrestricted Use SCOs in soil samples B1 and B2. Lead was detected above Unrestricted Use SCOs in B2 and B3 shallow soil samples. Gasoline related VOCs were noted above groundwater standards in all groundwater samples. These results indicate that further remedial action will be required.

1.4.3 Phase II Data Summary for 1825 Ocean Avenue, Brooklyn, NY. Environmental Business Consultants (EBC) dated April 29, 2015

The field work portion of the investigation was performed on April 22, 2015. The work consisted of the installation of five soil borings, three permanent monitoring wells, and the collection and analysis of related samples. Five soil boring locations (B1 through B5) were selected. Borings B1 and B2 were advanced with Geoprobe™ direct push equipment to a depth of 25 ft. Borings B3, B4 was advanced with Geoprobe™ direct push equipment to a depth of 15 ft. B5 was advanced with a Geoprobe™ to a depth of 20-23 feet. Soil was characterized as a brown medium fine sand with some historic fill material mixed in from surface grade to approximately 6-8 feet below grade followed by a brown sand to the termination depth. Groundwater was encountered and is expected at approximately 23 ft below grade.

Petroleum odors were noted in B1 and B2 within the 20-25 foot interval. Soil samples were collected from the following intervals; 0-2 feet (B1, B2 and B3) and 23-25 feet (B1 and B2).

EBC collected three groundwater samples from each of the characterization borings (B1, B2 and B5). Permanent monitoring wells were installed for locations B1, B2 and B5 by advancing the borehole to the water table (approx. 20 to 23 ft bgs) and installing a one-inch diameter PVC well 5-feet below the water table interface. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Laboratories for analysis of VOCs by EPA Method 8260.

Deep soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by USEPA method 8260. Shallow soil samples were analyzed for SVOCs (CP51), PCBs and TAL Metals. Deep soil samples were analyzed for (VOCs) by USEPA method 8260 and SVOCs (CP51).

Soil sample results were compared to the Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in NYSDEC CP51 Soil Cleanup Guidance (10/21/10). The following VOCs; ethylbenzene (maximum of 22,000 µg/Kg), m&p-Xylenes (maximum of 45,000 µg/Kg), naphthalene (at 27,000 µg/Kg), n-Butylbenzene (at 17,000 µg/Kg) and n-

Propylbenzene (at 35,000 µg/Kg) were detected above Unrestricted Use SCOs in samples B1 and B2. The following VOCs; 1,3,5-trimethylbenzene (maximum of 70,900 µg/Kg) and 1,2,4-trimethylbenzene (maximum of 230,000 µg/Kg) were above RRSCOs in sample B2. No SVOCs and PCBs were detected above UUSCOs. The following metals; copper (at 56.1 mg/Kg), mercury (at 0.32 mg/Kg) and zinc (at 193 mg/Kg) were detected above UUSCOs in sample B3. Lead (at 1,860 mg/Kg) was detected above RRSCOs in sample B3.

Groundwater results were compared to the New York State Ambient Water Quality Standards and Guidance Values (6 NYCRR Part 703) as presented in the Technical & Operational Guidance Series (TOGS) 1.1.1 (1998). Several VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-Isopropyltoluene, benzene, ethylbenzene, isopropylbenzene, m&p-Xylenes, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, sec-butylbenzene and toluene were reported in all of the three monitoring wells above groundwater standards.

Soil and groundwater samples collected indicate gasoline contamination. Several gasoline related VOCs were detected above Unrestricted Use and Residential Restricted SCOs in soil samples B1 and B2. Lead was detected above Residential Restricted SCOs in the B3 shallow soil sample. Gasoline related VOCs were noted above groundwater standards in all groundwater samples. These results indicate that further remedial action will be required. A spill was called in for this site and assigned a SPILL # 1501018.

1.4.4 Phase I Screening for 1815-1825 Ocean Avenue, Brooklyn, NY. Environmental Business Consultants (EBC) dated April 30, 2015

Prior to the construction of the existing improvements (circa 1950), the Site was occupied by a gas station (lot 55) and 2-story dwelling (lot 58) in the 1930's. From 1895 to 1906, the site was vacant land (lot 55) and a 2-story dwelling (lot 58).

In the 1930 Sanborn map four gasoline tanks are depicted on the west side of the Site. In the 1950-2007 Sanborn maps, five gasoline tanks are depicted on the west side of the Site.

2.0 APPROVED IRM WORK PLAN

The IRM proposed for the Site as detailed in the IRM Work Plan (AMC, 11/15) consisted of the excavation and stockpiling of urban fill and / or native soils at a single location to allow the installation of the minimum foundation requirement as needed to meet the 421a program. The proposed foundation element, which consists of a single footing is not located near any of the identified source areas.

2.1 Footing Excavations

The approved IRM work plan included the excavation of one footing. A single area was excavated to accommodate a single concrete footing as required under the 421a program. The dimensions of the footing are 1 foot thick, 40 inches wide and 40 inches long. The footing was installed by excavating a 5 foot wide and 10 foot long trench (with a 2 foot 45 degree slope on the north side) to a depth of 5 ft. The remaining side walls (south, east and west) were not sloped.

2.2 Materials Handling and Disposal

Under the IRM work plan, historic fill soil was expected to be encountered in the footing area from grade to a depth ranging from 6 inches to 12 inches below grade. Native soil was expected to be encountered below the fill material. Excavated soil was to be stockpiled and later characterized for off-site disposal at a permitted facility. It was expected that historic fill soil would be classified as non-hazardous.

2.3 Construction Health and Safety and Community Air Monitoring

Under the IRM, soil excavation activities were to be performed in accordance with a site-specific CHASP to protect the health and safety of all on-site personnel, visitors, and the public from physical harm and exposure to hazardous materials or waste at the site. The CHASP prepared for the site included methods for monitoring potential exposure to both workers at the Site from Site related contamination during excavation and removal of historic fill soil from the footing excavation. The IRM also included a Community Air Monitoring Plan (CAMP) to monitor the perimeter of the site for dust and volatile organic compounds.

2.4 Deviations from the IRM Work Plan

The approved IRM Work Plan described the excavation of soil at one area to a depth of 11 feet to install one footing required to meet the 421a eligibility criteria. It was estimated that this would generate 70 cubic yards of soil (17 cubic yards of urban fill and 53 cubic yards of non-contaminated native soil).

The following deviation from the IRM work plan was noted; the footing was installed to a depth of 5 feet. Approximately 10 cubic yards of material was generated (2 yards of urban fill and 8 cubic yards of native soil). Since the purpose of the IRM was to install footings as needed to meet the 421a program, reducing the size of the excavation has no effect on remediation of the Site. The majority of the Site will be excavated during the remedial program.

The original size of the footing was supposed to be 11ft x 3 ft. The installed footing was 40 inches x 40 inches.

3.0 INTERIM REMEDIAL ACTIONS

The IRM completed at the site consisted of a 5 ft deep excavation on the south area of the Site to install a single 40 inch x 40 inch concrete foundation footing. The Work began on December 17, 2015 and was completed on December 17, 2015. Endpoint samples were collected on December 17, 2015.

Photographic documentation of the footing installation is provided in **Appendix B**.

3.1 Excavation and Installation of Footing

The single concrete footing, as located in **Figure 3**, was installed to a depth of 5 ft below grade. The footing dimensions were 40 inches x 40 inches by 1 ft thick. See **Figure 4** for a detail of the footing and excavation.

Soils excavated from the footing area were identified as historic fill and native soil. Given the limited volume (approximately 10 CY) and area of the excavation, no attempt was made to segregate these materials. All soils excavated from the footing were placed in a single stockpile. This stockpile was placed on 6 mil plastic sheeting and covered with 6 mil plastic sheeting.

This soil will be characterized with other historic fill materials to be excavated from the Site during implementation of the Remedial Action Work Plan. It is expected that the majority of the historic fill at the Site will be classified as a non-hazardous material and disposed of at a permitted New Jersey Part B Recycling facility. However the final classification of all excavated materials will be dependent upon the results of waste characterization sampling and the NYSDEC as specified in the Remedial Action Work Plan(which is currrenly being developed).

3.2 Post Excavation Confirmation Sampling

Post excavation soil samples were collected on December 17, 2015 from the footing excavation in accordance with the approved IRM Work Plan which specified 1 base sample. It should be noted that 4 sidewall samples were collected as well.

Confirmation samples were submitted to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301) for analysis of VOCs + TICs (Method 8260C), SVOCs + TICs (Method 8270D), TAL Metals (Method 6010C), pesticides / PCBs (Method 8081B/8082A), mercury (method 7471B), total cyanide (9014 or 9012B). with category B deliverables. The approximate locations of post excavation endpoint samples are shown in **Figure 3**.

Laboratory results are summarized in **Tables 1** through **4** and compared to unrestricted and restricted residential Soil Cleanup Objectives (SCOs). A copy of the laboratory reports are provided in **Appendix A**.

The results indicated one pesticide 4,4-DDD, was above unrestricted SCOs in the bottom sample. Lead and nickel were noted above unrestricted SCOs in the side wall and bottom samples. No

VOCs, SVOCs, total cyanide and PCBs were reported above unrestricted or restricted SCOs in any of the samples. The results indicate that native material is mainly present in the excavation.

3.3 Materials Disposal

Soil excavated from the footing area was stockpiled on site. The stockpile was placed on and covered with plastic sheeting. This soil will be disposed of along with the remainder of the historic fill to be excavated from the Site.

3.4 Backfilling of Excavations

The excavation has not been backfilled. The Site will be developed with a cellar; which will occupy the center portion of the lot down to about 10-12 feet below grade. The slab on grade area; 44.3 x 110 foot area on the south side of the site will be excavated to a depth of 2 feet and the slab on grade area; 50.4 x 110 foot area on the north side of the site will be excavated to a depth of 2 feet. A 40 x 150 foot yard area on the east side of the site will not be excavated. The elevator pit will be excavated to approximately 15 feet.

4.0 HEALTH AND SAFETY MONITORING

EBC personnel performed on-site health and safety monitoring during the installation of the footing. Health and safety monitoring was conducted in accordance with the approved CHASP which required periodic air monitoring for the presence of volatile organic compounds (VOCs) and dust particles.

4.1 HASP Acknowledgement

The site safety officer documented that on-site personnel and visitors understood the requirements detailed in the CHASP. As the project progressed, the site safety officer also ensured that new personnel and visitors were made aware of the health and safety requirements.

4.2 Air Monitoring

In accordance with the CHASP and CAMP, work space and perimeter air monitoring was conducted during soil disturbance and intrusive activities, around the excavation area at locations upwind and downwind from the work area. Ambient air in the breathing zone and around the perimeter of the site was monitored for the presence of VOCs using a MiniRae 2000 photo-ionization detector and fugitive dust using an MIE PDR-1000 dust monitor. No concentrations of VOCs or dust were detected at the perimeter air monitoring locations above action levels specified in the CHASP or CAMP. VOCs were also not detected above action levels in the breathing zone during intrusive activities. Air monitoring readings are included in the Daily Status reports provided in **Appendix B**.

TABLES

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 1815 OCEAN AVE BROOKLYN

	Lab Sample Id				BK42972				BK42973				BK42974				BK42975				BK42976				BK42977			
	Collection Date				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015			
	Client Id				N SW				S SW				E SW				W SW				BOTTOM				SOIL DUPLICATE 1217			
	Matrix				Solid				Solid				Solid				Solid				Solid				Solid			
	CAS	Units	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Miscellaneous/Inorganics																												
Percent Solid	PHNX - PCTSOLID	%			90				85				88				89				87				85			
Pyridine	110-86-1	ug/Kg			< 370	370	U	370	< 390	390	U	390	< 370	370	U	370	< 370	370	U	370	< 380	380	U	380	< 390	390	U	390
Total Cyanide (SW9010C Distill.)	57-12-5	mg/Kg	27	27	< 0.50	0.50	U	0.25	< 0.59	0.59	U	0.29	< 0.51	0.51	U	0.26	< 0.56	0.56	U	0.28	< 0.57	0.57	U	0.29	< 0.59	0.59	U	0.29
Metals, Total																												
Aluminum	7429-90-5	mg/Kg			10,400	35		6.9	13,400	39		7.7	10,600	35		6.9	7,860	33		6.6	14,700	38		7.7	11,200	37		7.4
Antimony	7440-36-0	mg/Kg			< 1.7	1.7	U	1.7	< 1.9	1.9	U	1.9	< 1.7	1.7	U	1.7	< 1.7	1.7	U	1.7	< 1.9	1.9	U	1.9	< 1.9	1.9	U	1.9
Arsenic	7440-38-2	mg/Kg	16	13	3.6	0.7		0.69	6.2	0.8		0.77	5.2	0.7		0.69	4.3	0.7		0.66	5.4	0.8		0.77	6.1	0.7		0.74
Barium	7440-39-3	mg/Kg	400	350	28.6	0.7		0.35	76	0.8		0.39	66.3	0.7		0.35	67.3	0.7		0.33	45.6	0.8		0.38	85.8	0.7		0.37
Beryllium	7440-41-7	mg/Kg	72	7.2	0.62	0.28		0.14	0.58	0.31		0.15	0.51	0.28		0.14	0.38	0.26		0.13	0.63	0.31		0.15	0.54	0.30		0.15
Cadmium	7440-43-9	mg/Kg	4.3	2.5	0.15	0.35	B	0.14	0.31	0.39	B	0.15	0.31	0.35	B	0.14	0.34	0.33		0.13	0.19	0.38	B	0.15	0.3	0.37	B	0.15
Calcium	7440-70-2	mg/Kg			3,170	35		32	1,880	3.9		3.6	2,650	35		32	8,110	33		30	1,950	3.8		3.5	2,520	37		34
Chromium	7440-47-3	mg/Kg		30	17.1	0.35		0.35	21.3	0.39		0.39	18.4	0.35		0.35	15.8	0.33		0.33	20	0.38		0.38	20.7	0.37		0.37
Cobalt	7440-48-4	mg/Kg			8.25	0.35		0.35	8.44	0.39		0.39	8	0.35		0.35	5.83	0.33		0.33	10.8	0.38		0.38	7.29	0.37		0.37
Copper	7440-50-8	mg/Kg	270	50	10.5	0.35		0.35	23.4	0.39		0.39	21.5	0.35		0.35	19.8	0.33		0.33	15	0.38		0.38	24.7	0.37		0.37
Iron	7439-89-6	mg/Kg			13,400	35		35	18,200	39		39	16,100	35		35	14,200	33		33	20,400	38		38	15,900	37		37
Lead	7439-92-1	mg/Kg	400	63	11	0.7		0.35	237	7.7		3.9	132	0.7		0.35	102	0.7		0.33	41.9	0.8		0.38	243	7.4		3.7
Magnesium	7439-95-4	mg/Kg			3,160	3.5		3.5	3,020	3.9		3.9	2,640	3.5		3.5	2,550	3.3		3.3	3,170	3.8		3.8	2,910	3.7		3.7
Manganese	7439-96-5	mg/Kg	2,000	1,600	281	3.5		3.5	351	3.9		3.9	301	3.5		3.5	225	3.3		3.3	361	3.8		3.8	314	3.7		3.7
Mercury	7439-97-6	mg/Kg	0.81	0.18	< 0.03	0.03	U	0.02	0.09	0.03		0.02	0.08	0.03		0.02	0.07	0.03		0.02	0.02	0.03	B	0.02	0.11	0.03		0.02
Nickel	7440-02-0	mg/Kg	310	30	33.1	0.35		0.35	31.7	0.39		0.39	34.3	0.35		0.35	22	0.33		0.33	31.3	0.38		0.38	28.7	0.37		0.37
Potassium	9/7/7440	mg/Kg			692	7		2.7	1,220	8		3.0	1,030	7		2.7	953	7		2.6	1,020	8		3.0	1,070	7		2.9
Selenium	7782-49-2	mg/Kg	180	3.9	< 1.4	1.4	U	1.2	< 1.5	1.5	U	1.3	< 1.4	1.4	U	1.2	< 1.3	1.3	U	1.1	< 1.5	1.5	U	1.3	< 1.5	1.5	U	1.3
Silver	7440-22-4	mg/Kg	180	2	< 0.35	0.35	U	0.35	< 0.39	0.39	U	0.39	< 0.35	0.35	U	0.35	< 0.33	0.33	U	0.33	< 0.38	0.38	U	0.38	< 0.37	0.37	U	0.37
Sodium	7440-23-5	mg/Kg			82	7		3.0	120	8		3.3	140	7		3.0	106	7		2.8	94	8		3.3	124	7		3.2
Thallium	7440-28-0	mg/Kg			< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.3	1.3	U	1.3	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5
Vanadium	7440-62-2	mg/Kg			21.2	0.3		0.35	33.7	0.4		0.39	25.2	0.3		0.35	21	0.3		0.33	30.6	0.4		0.38	30.4	0.4		0.37
Zinc	7440-66-6	mg/Kg	10,000	109	42.7	0.7		0.35	74.8	0.8		0.39	75.5	0.7		0.35	67	0.7		0.33	50.8	0.8		0.38	76.8	0.7		0.37

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 1815 OCEAN AVE BROOKLYN

	Lab Sample Id Collection Date Client Id Matrix				BK42972 12/17/2015 N SW Solid				BK42973 12/17/2015 S SW Solid				BK42974 12/17/2015 E SW Solid				BK42975 12/17/2015 W SW Solid				BK42976 12/17/2015 BOTTOM Solid				BK42977 12/17/2015 SOIL DUPLICATE 1217 Solid			
	CAS	Units	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
SVOA TICS																												
2-Pentanone, 4-hydroxy-4-methyl- (RT 2.470)	123-42-2	ug/Kg							12,000	4	JNA		14,000	4	JNA										11,000	4	JNA	
2-Pentanone, 4-hydroxy-4-methyl- (RT 2.480)	123-42-2	ug/Kg			25,000	4	JNA																					
2-Pentanone, 4-hydroxy-4-methyl- (RT 2.490)	123-42-2	ug/Kg																			40,000	4	JNA					
2-Pentanone, 4-hydroxy-4-methyl- (RT 2.500)	123-42-2	ug/Kg															52,000	4	JNA									
Ethanol, 2-(2-ethoxyethoxy)- (RT 3.420)	111-90-0	ug/Kg			780	4	JN																					
Unknown (RT 3.420)		ug/Kg							1,800	4	JN		1,200	4	JN		850	4	JN		2,700	4	JN		830	4	JN	
Unknown (RT 9.320)		ug/Kg			370	4	JN														570	4	JN		370	4	JN	
VOA TICS																												
unknown (RT 1.110)		ug/Kg											6.4	5	JN													
PCBs By SW8082A																												
PCB-1016	12674-11-2	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1221	11104-28-2	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1232	11141-16-5	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1242	53469-21-9	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1248	12672-29-6	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1254	11097-69-1	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1260	11096-82-5	ug/Kg		100	< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1262	37324-23-5	ug/Kg			< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
PCB-1268	11100-14-4	ug/Kg			< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 1815 OCEAN AVE BROOKLYN

	Lab Sample Id				BK42972				BK42973				BK42974				BK42975				BK42976				BK42977			
	Collection Date				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015			
	Client Id				N SW				S SW				E SW				W SW				BOTTOM				SOIL DUPLICATE 1217			
	Matrix				Solid				Solid				Solid				Solid				Solid				Solid			
	CAS	Units	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
1,1,1-Trichloroethane	71-55-6	ug/Kg	100,000	680	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,1,2,2-Tetrachloroethane	79-34-5	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,1,2-Trichloroethane	79-00-5	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,1-Dichloroethane	75-34-3	ug/Kg	26,000	270	< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,1-Dichloroethene	75-35-4	ug/Kg	100,000	330	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,2,3-Trichlorobenzene	87-61-6	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,2,4-Trichlorobenzene	120-82-1	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,2-Dibromo-3-chloropropane	96-12-8	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,2-Dibromoethane	106-93-4	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,2-Dichlorobenzene	95-50-1	ug/Kg	100,000	1,100	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,2-Dichloroethane	107-06-2	ug/Kg	3,100	20	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,2-Dichloropropane	78-87-5	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
1,3-Dichlorobenzene	541-73-1	ug/Kg	49,000	2,400	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,4-Dichlorobenzene	106-46-7	ug/Kg	13,000	1,800	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
2-Hexanone	591-78-6	ug/Kg			< 17	17	U	3.4	< 20	20	U	4.1	< 26	26	U	5.1	< 21	21	U	4.1	< 17	17	U	3.4	< 24	24	U	4.8
4-Methyl-2-pentanone	108-10-1	ug/Kg			< 17	17	U	3.4	< 20	20	U	4.1	< 26	26	U	5.1	< 21	21	U	4.1	< 17	17	U	3.4	< 24	24	U	4.8
Acetone	67-64-1	ug/Kg	100,000	50	< 34	34	U	3.4	< 41	41	U	4.1	< 50	50	U	5.1	21	41	JS	4.1	< 34	34	U	3.4	< 48	48	U	4.8
Benzene	71-43-2	ug/Kg	4,800	60	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Bromochloromethane	74-97-5	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Bromodichloromethane	75-27-4	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Bromoform	75-25-2	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Bromomethane	74-83-9	ug/Kg			< 3.4	3.4	U	1.4	< 4.1	4.1	U	1.6	< 5.1	5.1	U	2.0	< 4.1	4.1	U	1.6	< 3.4	3.4	U	1.4	< 4.8	4.8	U	1.9
Carbon Disulfide	75-15-0	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	1.4	4.1	J	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Carbon tetrachloride	56-23-5	ug/Kg	2,400	760	< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Chlorobenzene	108-90-7	ug/Kg	100,000	1,100	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Chloroethane	75-00-3	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Chloroform	67-66-3	ug/Kg	49,000	370	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Chloromethane	74-87-3	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
cis-1,2-Dichloroethene	156-59-2	ug/Kg	100,000	250	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
cis-1,3-Dichloropropene	10061-01-5	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Cyclohexane	110-82-7	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Dibromochloromethane	124-48-1	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Dichlorodifluoromethane	75-71-8	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Ethylbenzene	100-41-4	ug/Kg	41,000	1,000	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Isopropylbenzene	98-82-8	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
m&p-Xylene	179601-23-1	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Methyl ethyl ketone	78-93-3	ug/Kg	100,000	120	< 20	20	U	3.4	< 24	24	U	4.1	< 31	31	U	5.1	< 25	25	U	4.1	< 21	21	U	3.4	< 29	29	U	4.8
Methyl t-butyl ether (MTBE)	1634-04-4	ug/Kg	100,000	930	< 6.8	6.8	U	0.68	< 8.1	8.1	U	0.81	< 10	10	U	1.0	< 8.2	8.2	U	0.82	< 6.9	6.9	U	0.69	< 9.5	9.5	U	0.95
Methylacetate	79-20-9	ug/Kg			< 3.4	3.4	U	1.7	< 4.1	4.1	U	2.0	< 5.1	5.1	U	2.6	< 4.1	4.1	U	2.1	< 3.4	3.4	U	1.7	< 4.8	4.8	U	2.4
Methylcyclohexane	108-87-2	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Methylene chloride	75-09-2	ug/Kg	100,000	50	< 3.4	3.4	U	3.4	< 4.1	4.1	U	4.1	< 5.1	5.1	U	5.1	< 4.1	4.1	U	4.1	< 3.4	3.4	U	3.4	< 4.8	4.8	U	4.8
o-Xylene	95-47-6	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Styrene	100-42-5	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Tetrachloroethene	127-18-4	ug/Kg	19,000	1,300	< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Toluene	108-88-3	ug/Kg	100,000	700	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Total Xylenes	1330-20-7	ug/Kg	100,000	260	< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
trans-1,2-Dichloroethene	156-60-5	ug/Kg	100,000	190	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
trans-1,3-Dichloropropene	10061-02-6	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Trichloroethene	79-01-6	ug/Kg	21,000	470	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Trichlorofluoromethane	75-69-4	ug/Kg			< 3.4	3.4	U	0.68	< 4.1	4.1	U	0.81	< 5.1	5.1	U	1.0	< 4.1	4.1	U	0.82	< 3.4	3.4	U	0.69	< 4.8	4.8	U	0.95
Trichlorotrifluoroethane	76-13-1	ug/Kg			< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
Vinyl chloride	75-01-4	ug/Kg	900	20	< 3.4	3.4	U	0.34	< 4.1	4.1	U	0.41	< 5.1	5.1	U	0.51	< 4.1	4.1	U	0.41	< 3.4	3.4	U	0.34	< 4.8	4.8	U	0.48
1,1,1,2-Tetrachloroethane	630-20-6	ug/Kg			< 14	14	U	0.68	< 16	16	U	0.81	< 20	20	U	1.0	< 16	16	U	0.82	< 14	14	U	0.69	< 19	19	U	0.95
Acrolein	107-02-8	ug/Kg			< 14	14	U	1.7	< 16	16	U	2.0	< 20	20	U	2.6	< 16	16	U	2.1	< 14	14	U	1.7	< 19	19	U	2.4
Acrylonitrile	107-13-1	ug/Kg			< 14	14	U	0.34	< 16	16	U	0.41	< 20	20	U	0.51	< 16	16	U	0.41	< 14	14	U	0.34	< 19	19	U	0.48
Tert-butyl alcohol	75-65-0	ug/Kg			< 68	68	U	14	< 81	81	U	16	< 100	100	U	20	< 82	82	U	16	< 69	69	U	14	< 95	95	U	19

Qualifiers

U — The compound was analyzed for but not detected at or above the MDL.
The number immediately preceding the "U" represents the PQL reporting level
corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag
is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is
suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 1815 OCEAN AVE BROOKLYN

	Lab Sample Id				BK42972				BK42973				BK42974				BK42975				BK42976				BK42977			
	Collection Date				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015				12/17/2015			
	Client Id				N SW				S SW				E SW				W SW				BOTTOM				SOIL DUPLICATE 1217			
	Matrix				Solid				Solid				Solid				Solid				Solid				Solid			
	CAS	Units	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Semivolatiles By SW8270D																												
1,1-Biphenyl	92-52-4	ug/Kg			< 260	260	U	110	< 270	270	U	120	< 260	260	U	110	< 260	260	U	110	< 260	260	U	120	< 270	270	U	120
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg			< 260	260	U	130	< 270	270	U	140	< 260	260	U	130	< 260	260	U	130	< 260	260	U	130	< 270	270	U	140
2,3,4,6-tetrachlorophenol	58-90-2	ug/Kg			< 260	260	U	170	< 270	270	U	180	< 260	260	U	180	< 260	260	U	170	< 260	260	U	180	< 270	270	U	180
2,4,5-Trichlorophenol	95-95-4	ug/Kg			< 260	260	U	200	< 270	270	U	210	< 260	260	U	210	< 260	260	U	200	< 260	260	U	210	< 270	270	U	210
2,4,6-Trichlorophenol	88-06-2	ug/Kg			< 150	150	U	120	< 160	160	U	120	< 150	150	U	120	< 150	150	U	120	< 150	150	U	120	< 160	160	U	120
2,4-Dichlorophenol	120-83-2	ug/Kg			< 150	150	U	130	< 160	160	U	140	< 150	150	U	130	< 150	150	U	130	< 150	150	U	130	< 160	160	U	140
2,4-Dimethylphenol	105-67-9	ug/Kg			< 260	260	U	91	< 270	270	U	97	< 260	260	U	93	< 260	260	U	92	< 260	260	U	94	< 270	270	U	96
2,4-Dinitrophenol	51-28-5	ug/Kg			< 260	260	U	260	< 270	270	U	270	< 260	260	U	260	< 260	260	U	260	< 260	260	U	260	< 270	270	U	270
2,4-Dinitrotoluene	121-14-2	ug/Kg			< 150	150	U	150	< 160	160	U	150	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 160	160	U	150
2,6-Dinitrotoluene	606-20-2	ug/Kg			< 150	150	U	120	< 160	160	U	120	< 150	150	U	120	< 150	150	U	120	< 150	150	U	120	< 160	160	U	120
2-Chloronaphthalene	91-58-7	ug/Kg			< 260	260	U	100	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
2-Chlorophenol	95-57-8	ug/Kg			< 260	260	U	100	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
2-Methylnaphthalene	91-57-6	ug/Kg			< 260	260	U	110	< 270	270	U	120	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	120
2-Methylphenol (o-cresol)	95-48-7	ug/Kg	100,000	330	< 260	260	U	170	< 270	270	U	180	< 260	260	U	180	< 260	260	U	170	< 260	260	U	180	< 270	270	U	180
2-Nitroaniline	88-74-4	ug/Kg			< 1800	1,800	U	370	< 2000	2,000	U	390	< 1900	1,900	U	380	< 1900	1,900	U	380	< 1900	1,900	U	380	< 1900	1,900	U	390
2-Nitrophenol	88-75-5	ug/Kg			< 260	260	U	230	< 270	270	U	250	< 260	260	U	240	< 260	260	U	240	< 260	260	U	240	< 270	270	U	250
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	ug/Kg			< 260	260	U	150	< 270	270	U	150	< 260	260	U	150	< 260	260	U	150	< 260	260	U	150	< 270	270	U	150
3,3'-Dichlorobenzidine	91-94-1	ug/Kg			< 150	150	U	150	< 160	160	U	160	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 160	160	U	160
3-Nitroaniline	99-09-2	ug/Kg			< 1800	1,800	U	800	< 2000	2,000	U	850	< 1900	1,900	U	820	< 1900	1,900	U	810	< 1900	1,900	U	820	< 1900	1,900	U	850
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg			< 260	260	U	260	< 270	270	U	270	< 260	260	U	260	< 260	260	U	260	< 260	260	U	260	< 270	270	U	270
4-Bromophenyl phenyl ether	101-55-3	ug/Kg			< 260	260	U	110	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
4-Chloro-3-methylphenol	59-50-7	ug/Kg			< 260	260	U	130	< 270	270	U	140	< 260	260	U	130	< 260	260	U	130	< 260	260	U	130	< 270	270	U	140
4-Chloroaniline	106-47-8	ug/Kg			< 740	740	U	170	< 780	780	U	180	< 750	750	U	170	< 740	740	U	170	< 760	760	U	180	< 780	780	U	180
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg			< 260	260	U	120	< 270	270	U	130	< 260	260	U	130	< 260	260	U	130	< 260	260	U	130	< 270	270	U	130
4-Nitroaniline	100-01-6	ug/Kg			< 1800	1,800	U	120	< 2000	2,000	U	130	< 1900	1,900	U	130	< 1900	1,900	U	120	< 1900	1,900	U	130	< 1900	1,900	U	130
4-Nitrophenol	100-02-7	ug/Kg			< 260	260	U	170	< 270	270	U	180	< 260	260	U	170	< 260	260	U	170	< 260	260	U	170	< 270	270	U	180
Acenaphthene	83-32-9	ug/Kg	100,000	20,000	< 260	260	U	110	< 270	270	U	120	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	120
Acenaphthylene	208-96-8	ug/Kg	100,000	100,000	< 150	150	U	100	< 160	160	U	110	< 150	150	U	100	< 150	150	U	100	< 150	150	U	110	< 160	160	U	110
Acetophenone	98-86-2	ug/Kg			< 260	260	U	120	< 270	270	U	120	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	120
Anthracene	120-12-7	ug/Kg	100,000	100,000	< 260	260	U	120	< 270	270	U	130	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	130
Atrazine	1912-24-9	ug/Kg			< 150	150	U	150	< 160	160	U	160	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 160	160	U	160
Benz(a)anthracene	56-55-3	ug/Kg	1,000	1,000	< 260	260	U	120	< 270	270	U	130	< 260	260	U	130	190	260	J	130	< 260	260	U	130	180	270	J	130
Benzaldehyde	100-52-7	ug/Kg			< 260	260	U	110	< 270	270	U	120	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	120
Benzo(a)pyrene	50-32-8	ug/Kg	1,000	1,000	< 150	150	U	120	< 160	160	U	130	< 150	150	U	120	200	150		120	< 150	150	U	120	< 160	160	U	130
Benzo(b)fluoranthene	205-99-2	ug/Kg	1,000	1,000	< 260	260	U	130	< 270	270	U	130	< 260	260	U	130	200	260	J	130	< 260	260	U	130	130	270	J	130
Benzo(ghi)perylene	191-24-2	ug/Kg	100,000	100,000	< 260	260	U	120	< 270	270	U	130	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	130
Benzo(k)fluoranthene	207-08-9	ug/Kg	3,900	800	< 260	260	U	120	< 270	270	U	130	< 260	260	U	120	190	260	J	120	< 260	260	U	130	160	270	J	130
Benzyl butyl phthalate	85-68-7	ug/Kg			< 260	260	U	95	< 270	270	U	100	< 260	260	U	97	< 260	260	U	96	< 260	260	U	98	< 270	270	U	100
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg			< 260	260	U	100	< 270	270	U	110	< 260	260	U	100	< 260	260	U	100	< 260	260	U	100	< 270	270	U	110
Bis(2-chloroethyl)ether	111-44-4	ug/Kg			< 150	150	U	100	< 160	160	U	110	< 150	150	U	100	< 150	150	U	100	< 150	150	U	100	< 160	160	U	100
Bis(2-chloroisopropyl)ether	39638-32-9	ug/Kg			< 260	260	U	100	< 270	270	U	110	< 260	260	U	100	< 260	260	U	100	< 260	260	U	110	< 270	270	U	110
Bis(2-ethylhexyl)phthalate	117-81-7	ug/Kg			< 260	260	U	110	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
Caprolactam	105-60-2	ug/Kg			< 260	260	U	260	< 270	270	U	270	< 260	260	U	260	< 260	260	U	260	< 260	260	U	260	< 270	270	U	270
Carbazole	86-74-8	ug/Kg			< 1800	1,800	U	280	< 2000	2,000	U	300	< 1900	1,900	U	280	< 1900	1,900	U	280	< 1900	1,900	U	290	< 1900	1,900	U	290
Chrysene	218-01-9	ug/Kg	3,900	1,000	< 260	260	U	120	< 270	270	U	130	< 260	260	U	130	240	260	J	130	< 260	260	U	130	230	270	J	130
Dibenz(a,h)anthracene	53-70-3	ug/Kg	330	330	< 150	150	U	120	< 160	160	U	130	< 150	150	U	120	< 150	150	U	120	< 150	150	U	120	< 160	160	U	130
Dibenzofuran	132-64-9	ug/Kg		7,000	< 260	260	U	110	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
Diethyl phthalate	84-66-2	ug/Kg			< 260	260	U	120	< 270	270	U	120	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	120
Dimethylphthalate	131-11-3	ug/Kg			< 260	260	U	110	< 270	270	U	120	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	120
Di-n-butylphthalate	84-74-2	ug/Kg			< 260	260	U	98	< 270	270	U	100	< 260	260	U	100	< 260	260	U	99	< 260	260	U	100	< 270	270	U	100
Di-n-octylphthalate	117-84-0	ug/Kg			< 260	260	U	95	< 270	270	U	100	< 260	260	U	97	< 260	260	U	96	< 260	260	U	98	< 270	270	U	100
Fluoranthene	206-44-0	ug/Kg	100,000	100,000	< 260	260	U	120	< 270	270	U	130	130	260	J	120	350	260		120	< 260	260	U	120	430	270		130
Fluorene	86-73-7	ug/Kg	100,000	30,000	< 260	260	U	120	< 270	270	U	130	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	130
Hexachlorobenzene	118-74-1	ug/Kg			< 150	150	U	110	< 160	160	U	110	< 150	150	U	110	< 150	150	U	110	< 150	150	U	110	< 160	160	U	110
Hexachlorobutadiene	87-68-3	ug/Kg			< 260	260	U	130	< 270	270	U	140	< 260	260	U	140	< 260	260	U	130	< 260	260	U	140	< 270	270	U	140
Hexachlorocyclopentadiene	77-47-4	ug/Kg			< 260	260	U	110	< 270	270	U	120	< 260	260	U	110	< 260	260	U	110	< 260	260	U	120	< 270	270	U	120
Hexachloroethane	67-72-1	ug/Kg			< 150	150	U	110	< 160	160	U	120	< 150	150	U	110	< 150	150	U	110	< 150	150	U	110	< 160	160	U	120
Indeno(1,2,3-cd)pyrene	193-39-5	ug/Kg	500	500	< 260	260	U	120	< 270	270	U	130	< 260	260	U	120	< 260	260	U	120	< 260	260	U	130	< 270	270	U	130
Isophorone	78-59-1	ug/Kg			< 150	150	U	100	< 160	160	U	110	< 150	150	U	100	< 150	150	U	100	< 150	150	U	110	< 160	160	U	110
Naphthalene	91-20-3	ug/Kg	100,000	12,000	< 260	260	U	110	< 270	270	U	110	< 260	260	U	110	< 260	260	U	110	< 260	260	U	110	< 270	270	U	110
Nitrobenzene	98-95-3	ug/Kg			< 150	150	U	130	< 160	160	U	140	< 150	150	U	130	< 150	150	U	130	< 150	150	U	130	< 160	160	U	140
N-Nitrosodimethylamine	62-75-9	ug/Kg			< 260	260	U	100	< 270	270	U	110	< 260	260	U	110	< 260	260	U	100	< 260	260	U	110	< 270	270	U	110
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg			< 150	150	U	120	< 160	160	U	130	< 150	150	U	120	< 150	150	U	120	< 150	150	U	120	< 160	160	U	130
N-Nitrosodiphenylamine	86-30-6	ug/Kg			< 150	150	U	140	< 160	160	U	150	< 150	150	U	140	< 150	150	U	140	< 150	150	U	150	< 160	160	U	150
Pentachlorophenol	87-86-5	ug/Kg	6,700	800	< 260	260	U	140	< 270	270	U	150	< 260	260	U	140	< 260	260	U	140	< 260	260	U	140	< 270	270	U	150
Phenanthrene	85-01-8	ug/Kg	100,000	100,000	< 150	150	U	110	< 160	160	U	110	< 150	150	U	110	190	150		110	< 150	150	U	110	270	160		110
Phenol	108-95-2	ug/Kg	100,000	330	< 260	260	U	120	< 270	270	U	120	< 260	260	U	120	< 260	260	U	120	< 260	260	U	120	< 270	270	U	120
Pyrene	129-00-0	ug/Kg	100,000	100,000	< 260	260	U	130	< 270	270	U	130	< 260	260	U	130	320	260		130	< 260	260	U	130	380	270		130

Qualifiers

U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Project Id : 1815 OCEAN AVE BROOKLYN

	Lab Sample Id Collection Date Client Id Matrix				BK42972 12/17/2015 N SW Solid				BK42973 12/17/2015 S SW Solid				BK42974 12/17/2015 E SW Solid				BK42975 12/17/2015 W SW Solid				BK42976 12/17/2015 BOTTOM Solid				BK42977 12/17/2015 SOIL DUPLICATE 1217 Solid			
	CAS	Units	NY-ResRestrict	NY-UnRestricted	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Pesticides - Soil By SW8081B																												
4,4' -DDD	72-54-8	ug/Kg	13,000	3.3	< 2.2	2.2	U	2.2	< 2.3	2.3	U	2.3	< 2.2	2.2	U	2.2	< 2.2	2.2	U	2.2	14	2.3		2.3	< 2.3	2.3	U	2.3
4,4' -DDE	72-55-9	ug/Kg	8,900	3.3	< 2.2	2.2	U	2.2	< 2.3	2.3	U	2.3	< 2.2	2.2	U	2.2	< 2.2	2.2	U	2.2	< 2.3	2.3	U	2.3	< 2.3	2.3	U	2.3
4,4' -DDT	50-29-3	ug/Kg	7,900	3.3	< 2.2	2.2	U	2.2	< 2.3	2.3	U	2.3	< 2.2	2.2	U	2.2	< 2.2	2.2	U	2.2	< 2.3	2.3	U	2.3	< 2.3	2.3	U	2.3
a-BHC	319-84-6	ug/Kg	480	20	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
a-Chlordane	5103-71-9	ug/Kg	4,200	94	< 3.6	3.6	U	3.6	< 6.0	6.0	U	6.0	19	3.7		3.7	65	37		37	66	3.8		3.8	11	3.9		3.9
Aldrin	309-00-2	ug/Kg	97	5	< 3.6	3.6	U	3.6	< 3.8	3.8	U	3.8	< 3.7	3.7	U	3.7	< 3.7	3.7	U	3.7	< 3.8	3.8	U	3.8	< 3.9	3.9	U	3.9
b-BHC	319-85-7	ug/Kg	360	36	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Chlordane	57-74-9	ug/Kg			< 150	150	U	150	< 38	38	U	38	230	37		37	820	370		370	330	38		38	< 31	31	U	31
d-BHC	319-86-8	ug/Kg	100,000	40	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Dieldrin	60-57-1	ug/Kg	200	5	< 3.6	3.6	U	3.6	< 3.8	3.8	U	3.8	< 3.7	3.7	U	3.7	< 3.7	3.7	U	3.7	< 3.8	3.8	U	3.8	< 3.9	3.9	U	3.9
Endosulfan I	959-98-8	ug/Kg	24,000	2,400	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Endosulfan II	33213-65-9	ug/Kg	24,000	2,400	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Endosulfan sulfate	1031-07-8	ug/Kg	24,000	2,400	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Endrin	72-20-8	ug/Kg	11,000	14	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Endrin aldehyde	7421-93-4	ug/Kg			< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Endrin ketone	53494-70-5	ug/Kg			< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
g-BHC	58-89-9	ug/Kg	1,300	100	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.5	1.5	U	1.5
g-Chlordane	5103-74-2	ug/Kg			< 3.6	3.6	U	3.6	< 3.8	3.8	U	3.8	27	3.7		3.7	90	37		37	39	3.8		3.8	6.6	3.9		3.9
Heptachlor	76-44-8	ug/Kg	2,100	42	< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Heptachlor epoxide	1024-57-3	ug/Kg			< 7.3	7.3	U	7.3	< 7.7	7.7	U	7.7	< 7.5	7.5	U	7.5	< 7.3	7.3	U	7.3	< 7.6	7.6	U	7.6	< 7.7	7.7	U	7.7
Methoxychlor	72-43-5	ug/Kg			< 36	36	U	36	< 38	38	U	38	< 37	37	U	37	< 37	37	U	37	< 38	38	U	38	< 39	39	U	39
Toxaphene	8001-35-2	ug/Kg			< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150	< 150	150	U	150
1,4-dioxane By SW8260C																												
1,4-dioxane	123-91-1	ug/kg	13,000	100	< 68	68	U	27	< 81	81	U	32	< 100	100	U	41	< 82	82	U	33	< 69	69	U	28	< 95	95	U	38
1,4-dioxane	123-91-1	ug/l																										

Qualifiers

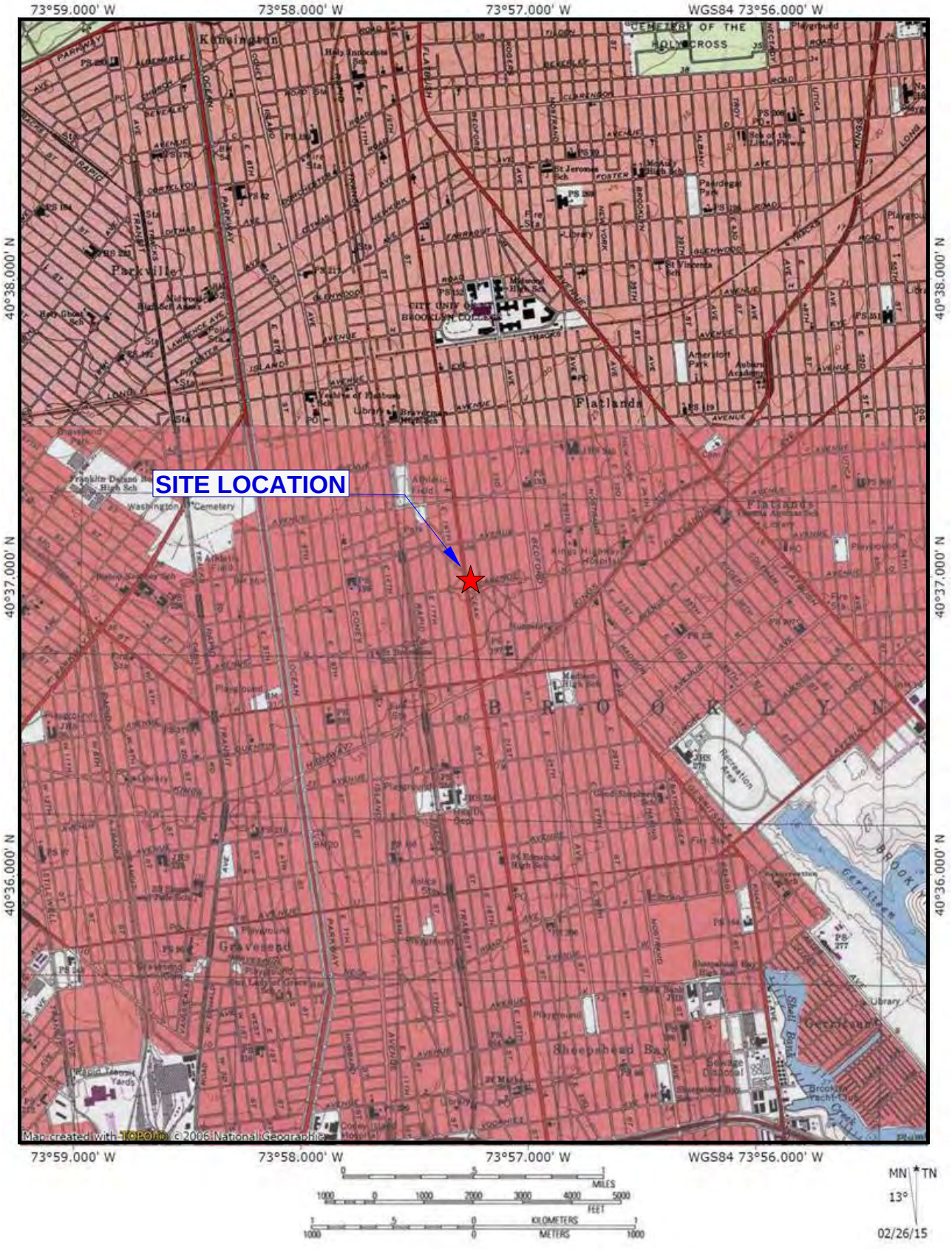
U	The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

FIGURES

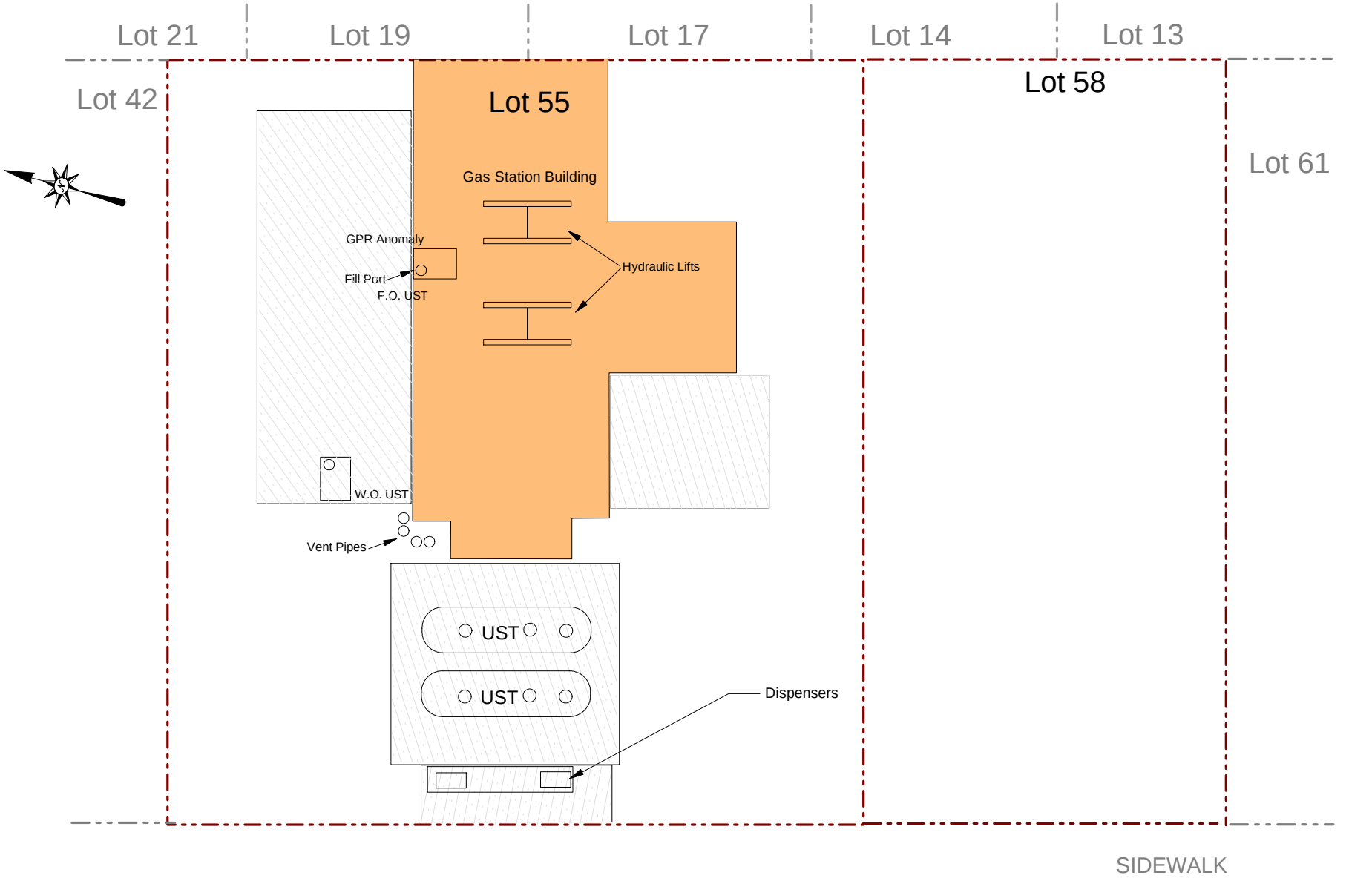


USGS Central Park, NY Quadrangle 1995, Contour Interval = 10 feet

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

TOMAT SERVICE STATION
1815-1825 OCEAN AVENUE, BROOKLYN, NY

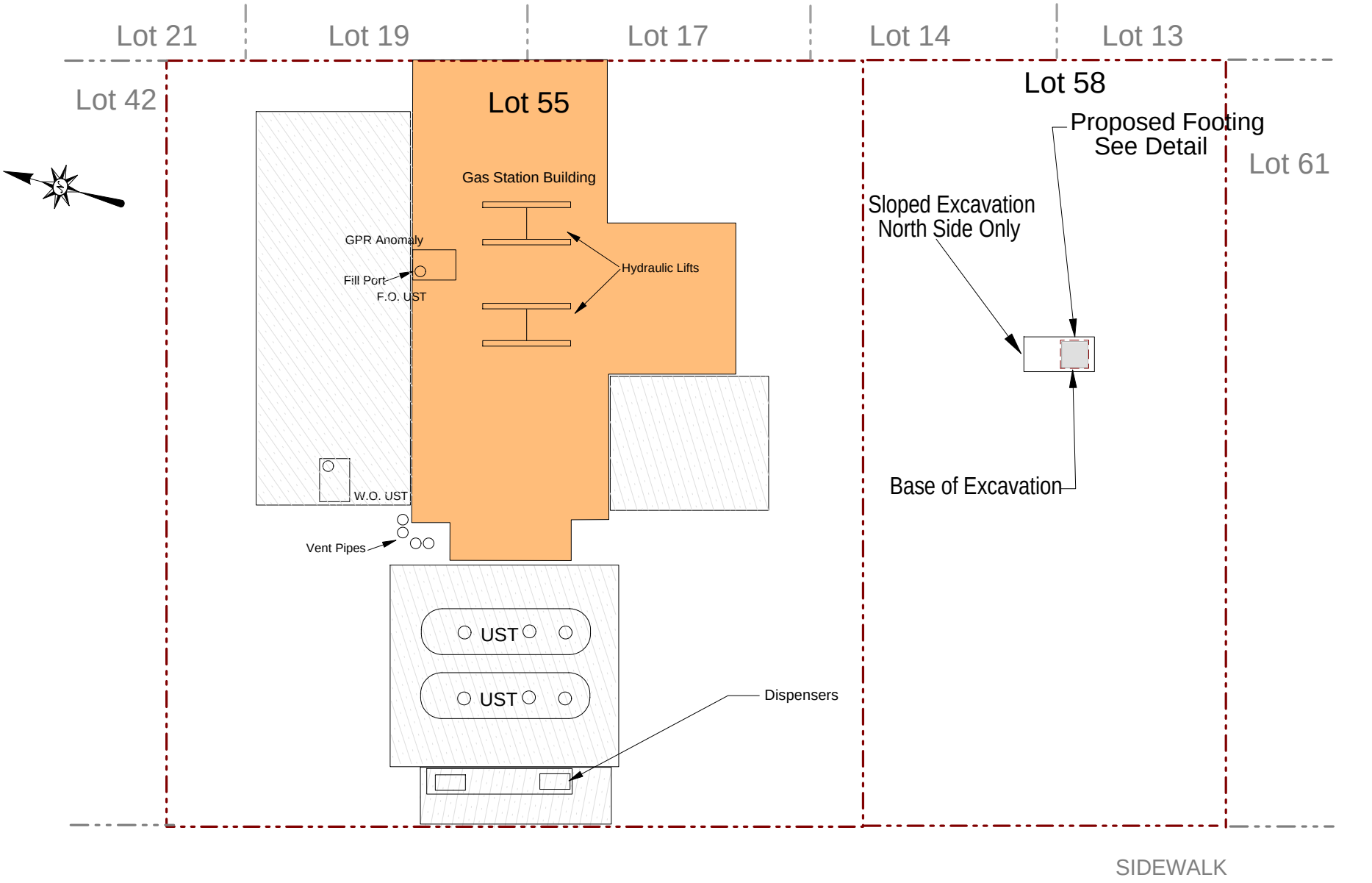
FIGURE 1 SITE LOCATION MAP



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

Figure No. 2

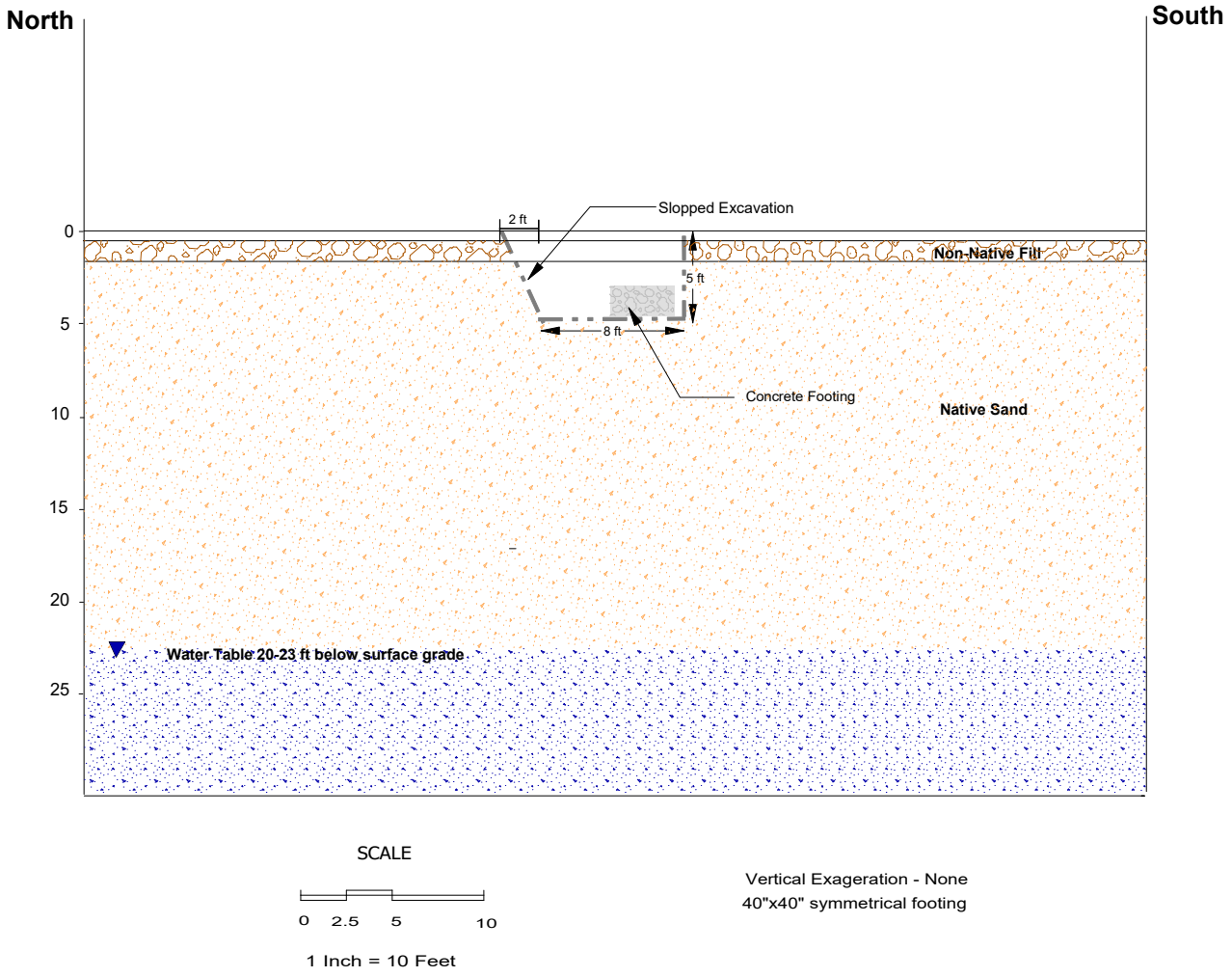
Site Name: TOMAT SERVICE STATION
Site Address: 1815-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title: SITE MAP



AMC Engineering PLLC
99 Jericho Turnpike, Suite 300J
Jericho, NY 11 753
Phone: (516) 417 -8588

Figure No. **3**

Site Name: TOMAT SERVICE STATION
Site Address: 1815-1825 OCEAN AVENUE, BROOKLYN, NY
Drawing Title: FOOTING EXCAVATION PLAN



SCALE

0 2.5 5 10

1 Inch = 10 Feet

Vertical Exageration - None

40"x40" symmetrical footing

AMC Engineering PLLC
99 Jericho Turnpike, Suite 300J
Jericho, NY 11 753
Phone: (516) 417 -8588

FORMER TOMAT SERVICE STATION

1815-1825 OCEAN AVENUE, BROOKLYN, NY

FIGURE 5 FOOTING EXCAVATION DETAIL

APPENDIX A
Laboratory Reports - Endpoint Samples

PHOENIX
Environmental Laboratories, Inc.

Wednesday, December 30, 2015

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

Project ID: 1815 OCEAN AVE BROOKLYN
Sample ID#s: BK42972 - BK42978

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

December 30, 2015

SDG I.D.: GBK42972

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	12:00
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42972

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: N SW

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	10400		35	6.9	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	3.6		0.7	0.69	mg/Kg	1	12/23/15	EK	SW6010C
Barium	28.6		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.62		0.28	0.14	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	3170		35	32	mg/Kg	10	12/23/15	EK	SW6010C
Cadmium	0.15	B	0.35	0.14	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	8.25		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	17.1		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Copper	10.5		0.35	0.35	mg/kg	1	12/23/15	EK	SW6010C
Iron	13400		35	35	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	< 0.03		0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	692		7	2.7	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	3160		3.5	3.5	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	281		3.5	3.5	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	82		7	3.0	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	33.1		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Lead	11.0		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Antimony	< 1.7		1.7	1.7	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	21.2		0.3	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	42.7		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	90				%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.50		0.50	0.25	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed						12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed						12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed						12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1221	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1232	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1242	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1248	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1254	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1260	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1262	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1268	ND	36	36	ug/Kg	2	12/24/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	102			%	2	12/24/15	AW	30 - 150 %
% TCMX	90			%	2	12/24/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	12/24/15	CE	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	12/24/15	CE	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Chlordane	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/24/15	CE	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	12/24/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	97			%	2	12/24/15	CE	30 - 150 %
% TCMX	79			%	2	12/24/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	68	27	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: N SW

Phoenix I.D.: BK42972

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND	17	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	ND	34	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND	3.4	1.4	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND	20	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.8	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND	3.4	1.7	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND	3.4	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	105			%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	92			%	1	12/23/15	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	14	0.68	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND	14	1.7	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND	14	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND	68	14	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed					12/24/15	JLI	
Semivolatiles								
1,1-Biphenyl	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	1800	370	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	1800	800	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	740	170	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND	1800	280	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	260	98	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND	150	100	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	59			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	65			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	52			%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	60			%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	58			%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	63			%	1	12/22/15	DD	30 - 130 %
Pyridine	ND	370	370	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed					12/23/15	DD	

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

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

Comments:

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

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

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

Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	12:15
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42973

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: S SW

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39		0.39	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	13400		39	7.7	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	6.2		0.8	0.77	mg/Kg	1	12/23/15	EK	SW6010C
Barium	76.0		0.8	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.58		0.31	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	1880		3.9	3.6	mg/Kg	1	12/23/15	EK	SW6010C
Cadmium	0.31	B	0.39	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	8.44		0.39	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	21.3		0.39	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Copper	23.4		0.39	0.39	mg/kg	1	12/23/15	EK	SW6010C
Iron	18200		39	39	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	0.09		0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	1220		8	3.0	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	3020		3.9	3.9	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	351		3.9	3.9	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	120		8	3.3	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	31.7		0.39	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Lead	237		7.7	3.9	mg/Kg	10	12/23/15	EK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	33.7		0.4	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	74.8		0.8	0.39	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	85				%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.59		0.59	0.29	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed						12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed						12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed						12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1221	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1232	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1242	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1248	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1254	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1260	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1262	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1268	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	96			%	2	12/24/15	AW	30 - 150 %
% TCMX	83			%	2	12/24/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
a-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
a-Chlordane	ND	6.0	6.0	ug/Kg	2	12/24/15	CE	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
b-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Chlordane	ND	38	38	ug/Kg	2	12/24/15	CE	SW8081B
d-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan I	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan II	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin aldehyde	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin ketone	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/24/15	CE	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Methoxychlor	ND	38	38	ug/Kg	2	12/24/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	82			%	2	12/24/15	CE	30 - 150 %
% TCMX	66			%	2	12/24/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	81	32	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND	20	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	ND	41	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND	4.1	1.6	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND	24	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND	4.1	2.0	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND	4.1	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.1	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	104			%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	91			%	1	12/23/15	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	16	0.81	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND	16	2.0	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND	16	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND	81	16	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed					12/24/15	JLI	
Semivolatiles								
1,1-Biphenyl	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	160	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND	160	140	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND	270	97	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	160	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	160	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	2000	390	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND	270	250	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	160	160	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	2000	850	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	270	270	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	780	180	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	2000	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND	270	180	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND	160	110	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND	160	160	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(a)pyrene	ND	160	130	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(b)fluoranthene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	270	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	160	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND	270	270	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND	2000	300	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	160	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	270	100	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	270	100	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND	160	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	160	120	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND	160	110	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND	160	140	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	160	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	160	150	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND	270	150	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	ND	160	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND	270	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	ND	270	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	64			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	59			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	49			%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	56			%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	54			%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	67			%	1	12/22/15	DD	30 - 130 %
Pyridine	ND	390	390	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed					12/23/15	DD	

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

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

Comments:

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

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

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

Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	12:30
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42974

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: E SW

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	10600		35	6.9	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	5.2		0.7	0.69	mg/Kg	1	12/23/15	EK	SW6010C
Barium	66.3		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.51		0.28	0.14	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	2650		35	32	mg/Kg	10	12/23/15	EK	SW6010C
Cadmium	0.31	B	0.35	0.14	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	8.00		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	18.4		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Copper	21.5		0.35	0.35	mg/kg	1	12/23/15	EK	SW6010C
Iron	16100		35	35	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	0.08		0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	1030		7	2.7	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	2640		3.5	3.5	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	301		3.5	3.5	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	140		7	3.0	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	34.3		0.35	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Lead	132		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Antimony	< 1.7		1.7	1.7	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.4		1.4	1.2	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.4		1.4	1.4	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	25.2		0.3	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	75.5		0.7	0.35	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	88				%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.51		0.51	0.26	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed						12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed						12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed						12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1221	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1232	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1242	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1248	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1254	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1260	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1262	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1268	ND	37	37	ug/Kg	2	12/24/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	100			%	2	12/24/15	AW	30 - 150 %
% TCMX	83			%	2	12/24/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	12/25/15	CE	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	12/25/15	CE	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	12/25/15	CE	SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
a-Chlordane	19	3.7	3.7	ug/Kg	2	12/25/15	CE	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	12/25/15	CE	SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Chlordane	230	37	37	ug/Kg	2	12/25/15	CE	SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	12/25/15	CE	SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/25/15	CE	SW8081B
g-Chlordane	27	3.7	3.7	ug/Kg	2	12/25/15	CE	SW8081B
Heptachlor	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	12/25/15	CE	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	12/25/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/25/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	89			%	2	12/25/15	CE	30 - 150 %
% TCMX	59			%	2	12/25/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	100	41	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND	26	5.1	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.1	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	ND	50	5.1	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND	5.1	2.0	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.1	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND	5.1	2.6	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	104			%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	91			%	1	12/23/15	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND	20	2.6	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND	20	0.51	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed					12/24/15	JLI	
Client MS/MSD	Completed					12/23/15		
Semivolatiles								
1,1-Biphenyl	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	93	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	1900	380	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	1900	820	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	750	170	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	1900	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(a)pyrene	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(b)fluoranthene	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND		260	97	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND		260	260	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND		1900	280	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND		260	97	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	130	J	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND		260	140	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND		150	100	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND		150	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND		260	140	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	ND		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	70				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	69				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	58				%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	68				%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	65				%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	67				%	1	12/22/15	DD	30 - 130 %
Pyridine	ND		370	370	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed						12/23/15	DD	

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

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	12:45
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42975

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: W SW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	7860	33	6.6	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	4.3	0.7	0.66	mg/Kg	1	12/23/15	EK	SW6010C
Barium	67.3	0.7	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.38	0.26	0.13	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	8110	33	30	mg/Kg	10	12/23/15	EK	SW6010C
Cadmium	0.34	0.33	0.13	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	5.83	0.33	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	15.8	0.33	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Copper	19.8	0.33	0.33	mg/kg	1	12/23/15	EK	SW6010C
Iron	14200	33	33	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	0.07	0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	953	7	2.6	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	2550	3.3	3.3	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	225	3.3	3.3	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	106	7	2.8	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	22.0	0.33	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Lead	102	0.7	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Antimony	< 1.7	1.7	1.7	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.3	1.3	1.1	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.3	1.3	1.3	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	21.0	0.3	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	67.0	0.7	0.33	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	89			%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.56	0.56	0.28	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed					12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed					12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed					12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1221	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1232	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1242	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1248	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1254	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1260	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1262	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
PCB-1268	ND	37	37	ug/Kg	2	12/23/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	90			%	2	12/23/15	AW	30 - 150 %
% TCMX	80			%	2	12/23/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	12/24/15	CE	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
a-Chlordane	65	37	37	ug/Kg	20	12/25/15	CE	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	12/24/15	CE	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Chlordane	820	370	370	ug/Kg	20	12/25/15	CE	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/24/15	CE	SW8081B
g-Chlordane	90	37	37	ug/Kg	20	12/25/15	CE	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	12/24/15	CE	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	12/24/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	82			%	2	12/24/15	CE	30 - 150 %
% TCMX	74			%	2	12/24/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	82	33	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND		21	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND		21	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	21	JS	41	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND		4.1	1.6	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	1.4	J	4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND		25	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		8.2	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND		4.1	2.1	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND		4.1	4.1	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND		4.1	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND		4.1	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94				%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	103				%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	12/23/15	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		16	0.82	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND		16	2.1	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND		16	0.41	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND		82	16	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed						12/24/15	JLI	
Semivolatiles									
1,1-Biphenyl	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		260	170	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND		150	130	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND		260	92	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND		260	260	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND		150	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND		1900	380	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND		260	240	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		150	150	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND		1900	810	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		260	260	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND		740	170	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND		1900	120	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND		260	170	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND		150	100	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND		150	150	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	190	J	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(a)pyrene	200		150	120	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(b)fluoranthene	200	J	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	190	J	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND		260	96	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND		260	260	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND		1900	280	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	240	J	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND		260	99	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND		260	96	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	350		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND		260	130	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND		150	100	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND		260	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND		150	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND		260	100	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND		260	140	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	190		150	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND		260	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	320		260	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	61				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	61				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	49				%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	58				%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	56				%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	60				%	1	12/22/15	DD	30 - 130 %
Pyridine	ND		370	370	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed						12/23/15	DD	

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

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

Comments:

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	13:00
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42976

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: BOTTOM

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38		0.38	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	14700		38	7.7	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	5.4		0.8	0.77	mg/Kg	1	12/23/15	EK	SW6010C
Barium	45.6		0.8	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.63		0.31	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	1950		3.8	3.5	mg/Kg	1	12/23/15	EK	SW6010C
Cadmium	0.19	B	0.38	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	10.8		0.38	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	20.0		0.38	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Copper	15.0		0.38	0.38	mg/kg	1	12/23/15	EK	SW6010C
Iron	20400		38	38	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	0.02	B	0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	1020		8	3.0	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	3170		3.8	3.8	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	361		3.8	3.8	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	94		8	3.3	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	31.3		0.38	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Lead	41.9		0.8	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	30.6		0.4	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	50.8		0.8	0.38	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	87				%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.57		0.57	0.29	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed						12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed						12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed						12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1221	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1232	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1242	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1248	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1254	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1260	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1262	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1268	ND	38	38	ug/Kg	2	12/24/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	87			%	2	12/24/15	AW	30 - 150 %
% TCMX	72			%	2	12/24/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	14	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
a-BHC	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
a-Chlordane	66	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
b-BHC	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Chlordane	330	38	38	ug/Kg	2	12/24/15	CE	SW8081B
d-BHC	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan I	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan II	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Endrin	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Endrin aldehyde	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Endrin ketone	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/24/15	CE	SW8081B
g-Chlordane	39	3.8	3.8	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	2	12/24/15	CE	SW8081B
Methoxychlor	ND	38	38	ug/Kg	2	12/24/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	67			%	2	12/24/15	CE	30 - 150 %
% TCMX	49			%	2	12/24/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	69	28	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: BOTTOM

Phoenix I.D.: BK42976

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND	17	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	ND	34	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND	3.4	1.4	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND	21	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.9	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND	3.4	1.7	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND	3.4	3.4	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND	3.4	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	104			%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	90			%	1	12/23/15	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	14	0.69	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND	14	1.7	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND	14	0.34	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND	69	14	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed					12/24/15	JLI	
Semivolatiles								
1,1-Biphenyl	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND	260	94	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND	1900	380	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND	1900	820	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND	760	180	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND	1900	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND	260	98	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND	1900	290	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND	260	100	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND	260	98	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND	260	140	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	150	150	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	ND	150	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND	260	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	ND	260	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	70			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	58			%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	68			%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	67			%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	71			%	1	12/22/15	DD	30 - 130 %
Pyridine	ND	380	380	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed					12/23/15	DD	

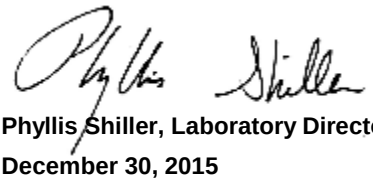
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

Comments:

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

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



Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	PR	12/17/15	12:00
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42977

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: SOIL DUPLICATE 1217

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37		0.37	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Aluminum	11200		37	7.4	mg/Kg	10	12/23/15	EK	SW6010C
Arsenic	6.1		0.7	0.74	mg/Kg	1	12/23/15	EK	SW6010C
Barium	85.8		0.7	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Beryllium	0.54		0.30	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Calcium	2520		37	34	mg/Kg	10	12/23/15	EK	SW6010C
Cadmium	0.30	B	0.37	0.15	mg/Kg	1	12/23/15	EK	SW6010C
Cobalt	7.29		0.37	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Chromium	20.7		0.37	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Copper	24.7		0.37	0.37	mg/kg	1	12/23/15	EK	SW6010C
Iron	15900		37	37	mg/Kg	10	12/23/15	EK	SW6010C
Mercury	0.11		0.03	0.02	mg/Kg	1	12/23/15	RS	SW7471B
Potassium	1070		7	2.9	mg/Kg	1	12/23/15	EK	SW6010C
Magnesium	2910		3.7	3.7	mg/Kg	1	12/23/15	EK	SW6010C
Manganese	314		3.7	3.7	mg/Kg	10	12/23/15	EK	SW6010C
Sodium	124		7	3.2	mg/Kg	1	12/23/15	EK	SW6010C
Nickel	28.7		0.37	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Lead	243		7.4	3.7	mg/Kg	10	12/23/15	EK	SW6010C
Antimony	< 1.9		1.9	1.9	mg/Kg	1	12/23/15	EK	SW6010C
Selenium	< 1.5		1.5	1.3	mg/Kg	1	12/23/15	EK	SW6010C
Thallium	< 1.5		1.5	1.5	mg/Kg	1	12/23/15	EK	SW6010C
Vanadium	30.4		0.4	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Zinc	76.8		0.7	0.37	mg/Kg	1	12/23/15	EK	SW6010C
Percent Solid	85				%		12/22/15	W	SW846-%Solid
Total Cyanide (SW9010C Distill.)	< 0.59		0.59	0.29	mg/Kg	1	12/23/15	O/GD	SW9012B
Soil Extraction for PCB	Completed						12/22/15	BC	SW3545A
Soil Extraction for Pest	Completed						12/22/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed						12/22/15	BJ/CKV	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					12/23/15	W/W	SW7471B
Total Metals Digest	Completed					12/22/15	G/AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1221	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1232	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1242	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1248	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1254	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1260	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1262	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
PCB-1268	ND	39	39	ug/Kg	2	12/24/15	AW	SW8082A
QA/QC Surrogates								
% DCBP	104			%	2	12/24/15	AW	30 - 150 %
% TCMX	86			%	2	12/24/15	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	12/24/15	CE	SW8081B
a-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
a-Chlordane	11	3.9	3.9	ug/Kg	2	12/24/15	CE	SW8081B
Aldrin	ND	3.9	3.9	ug/Kg	2	12/24/15	CE	SW8081B
b-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Chlordane	ND	31	31	ug/Kg	2	12/24/15	CE	SW8081B
d-BHC	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Dieldrin	ND	3.9	3.9	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan I	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan II	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin aldehyde	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Endrin ketone	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	12/24/15	CE	SW8081B
g-Chlordane	6.6	3.9	3.9	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	2	12/24/15	CE	SW8081B
Methoxychlor	ND	39	39	ug/Kg	2	12/24/15	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	12/24/15	CE	SW8081B
QA/QC Surrogates								
% DCBP	86			%	2	12/24/15	CE	30 - 150 %
% TCMX	68			%	2	12/24/15	CE	30 - 150 %
1,4-dioxane								
1,4-dioxane	ND	95	38	ug/kg	1	12/23/15	JLI	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2-Trichloroethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
2-Hexanone	ND	24	4.8	ug/Kg	1	12/23/15	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	12/23/15	JLI	SW8260C
Acetone	ND	48	4.8	ug/Kg	1	12/23/15	JLI	SW8260C
Benzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Bromodichloromethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Bromoform	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Bromomethane	ND	4.8	1.9	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon Disulfide	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Carbon tetrachloride	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Chloroform	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Chloromethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Cyclohexane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Dibromochloromethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
m&p-Xylene	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.8	ug/Kg	1	12/23/15	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.5	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Methylacetate	ND	4.8	2.4	ug/Kg	1	12/23/15	JLI	SW8260C
Methylcyclohexane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	12/23/15	JLI	SW8260C
o-Xylene	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Total Xylenes	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Vinyl chloride	ND		4.8	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94				%	1	12/23/15	JLI	70 - 130 %
% Bromofluorobenzene	95				%	1	12/23/15	JLI	70 - 130 %
% Dibromofluoromethane	103				%	1	12/23/15	JLI	70 - 130 %
% Toluene-d8	91				%	1	12/23/15	JLI	70 - 130 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		19	0.95	ug/Kg	1	12/23/15	JLI	SW8260C
Acrolein	ND		19	2.4	ug/Kg	1	12/23/15	JLI	SW8260C
Acrylonitrile	ND		19	0.48	ug/Kg	1	12/23/15	JLI	SW8260C
Tert-butyl alcohol	ND		95	19	ug/Kg	1	12/23/15	JLI	SW8260C
Volatile Library Search Top 15	Completed						12/24/15	JLI	
Semivolatiles									
1,1-Biphenyl	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
1,2,4,5-Tetrachlorobenzene	ND		270	140	ug/Kg	1	12/22/15	DD	SW8270D
2,3,4,6-tetrachlorophenol	ND		270	180	ug/Kg	1	12/22/15	DD	SW8270D
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	12/22/15	DD	SW8270D
2,4,6-Trichlorophenol	ND		160	120	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dichlorophenol	ND		160	140	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dimethylphenol	ND		270	96	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrophenol	ND		270	270	ug/Kg	1	12/22/15	DD	SW8270D
2,4-Dinitrotoluene	ND		160	150	ug/Kg	1	12/22/15	DD	SW8270D
2,6-Dinitrotoluene	ND		160	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Chloronaphthalene	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Chlorophenol	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylnaphthalene	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitroaniline	ND		1900	390	ug/Kg	1	12/22/15	DD	SW8270D
2-Nitrophenol	ND		270	250	ug/Kg	1	12/22/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	12/22/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND		160	160	ug/Kg	1	12/22/15	DD	SW8270D
3-Nitroaniline	ND		1900	850	ug/Kg	1	12/22/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND		270	270	ug/Kg	1	12/22/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	12/22/15	DD	SW8270D
4-Chloroaniline	ND		780	180	ug/Kg	1	12/22/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitroaniline	ND		1900	130	ug/Kg	1	12/22/15	DD	SW8270D
4-Nitrophenol	ND		270	180	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthene	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Acenaphthylene	ND		160	110	ug/Kg	1	12/22/15	DD	SW8270D
Acetophenone	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Anthracene	ND		270	130	ug/Kg	1	12/22/15	DD	SW8270D
Atrazine	ND		160	160	ug/Kg	1	12/22/15	DD	SW8270D
Benz(a)anthracene	180	J	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzaldehyde	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(a)pyrene	ND		160	130	ug/Kg	1	12/22/15	DD	SW8270D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(b)fluoranthene	130	J	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(ghi)perylene	ND		270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzo(k)fluoranthene	160	J	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND		160	100	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
Caprolactam	ND		270	270	ug/Kg	1	12/22/15	DD	SW8270D
Carbazole	ND		1900	290	ug/Kg	1	12/22/15	DD	SW8270D
Chrysene	230	J	270	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	1	12/22/15	DD	SW8270D
Dibenzofuran	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
Diethyl phthalate	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Dimethylphthalate	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-butylphthalate	ND		270	100	ug/Kg	1	12/22/15	DD	SW8270D
Di-n-octylphthalate	ND		270	100	ug/Kg	1	12/22/15	DD	SW8270D
Fluoranthene	430		270	130	ug/Kg	1	12/22/15	DD	SW8270D
Fluorene	ND		270	130	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobenzene	ND		160	110	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorobutadiene	ND		270	140	ug/Kg	1	12/22/15	DD	SW8270D
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Hexachloroethane	ND		160	120	ug/Kg	1	12/22/15	DD	SW8270D
Indeno(1,2,3-cd)pyrene	ND		270	130	ug/Kg	1	12/22/15	DD	SW8270D
Isophorone	ND		160	110	ug/Kg	1	12/22/15	DD	SW8270D
Naphthalene	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
Nitrobenzene	ND		160	140	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	1	12/22/15	DD	SW8270D
N-Nitrosodiphenylamine	ND		160	150	ug/Kg	1	12/22/15	DD	SW8270D
Pentachlorophenol	ND		270	150	ug/Kg	1	12/22/15	DD	SW8270D
Phenanthrene	270		160	110	ug/Kg	1	12/22/15	DD	SW8270D
Phenol	ND		270	120	ug/Kg	1	12/22/15	DD	SW8270D
Pyrene	380		270	130	ug/Kg	1	12/22/15	DD	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	65				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorobiphenyl	61				%	1	12/22/15	DD	30 - 130 %
% 2-Fluorophenol	47				%	1	12/22/15	DD	30 - 130 %
% Nitrobenzene-d5	56				%	1	12/22/15	DD	30 - 130 %
% Phenol-d5	54				%	1	12/22/15	DD	30 - 130 %
% Terphenyl-d14	69				%	1	12/22/15	DD	30 - 130 %
Pyridine	ND		390	390	ug/Kg	1	12/22/15	DD	SW8270D
SVOA Library Search Top 15	Completed						12/23/15	DD	

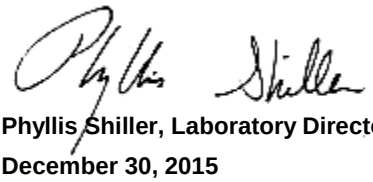
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

Comments:

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

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



Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 30, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	PR	12/17/15	12:00
Location Code:	EBC	Received by:	SW	12/22/15	15:07
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK42972
Phoenix ID: BK42978

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-dioxane								
1,4-dioxane	ND	100	50	ug/l	1	12/23/15	MH	SW8260C
Volatiles								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/15	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2-Dichloroethane	ND	0.6	0.25	ug/L	1	12/23/15	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/15	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/15	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	12/23/15	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	12/23/15	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C

Project ID: 1815 OCEAN AVE BROOKLYN
Client ID: TRIP BLANK

Phoenix I.D.: BK42978

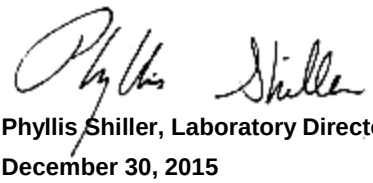
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Chlorobenzene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Chloroform	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/23/15	MH	SW8260C
Cyclohexane	ND	5.0	0.50	ug/L	1	12/23/15	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	12/23/15	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Methylacetate	ND	2.5	2.5	ug/L	1	12/23/15	MH	SW8260C
Methylcyclohexane	ND	2.0	0.50	ug/L	1	12/23/15	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	12/23/15	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Toluene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Total Xylenes	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	12/23/15	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/23/15	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/23/15	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	12/23/15	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	12/23/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	1	12/23/15	MH	70 - 130 %
% Toluene-d8	103			%	1	12/23/15	MH	70 - 130 %
Volatile Library Search Top 10	Completed					12/24/15	MH	

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

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
December 30, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBK42972 - EBC

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

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK42972	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.1	0.35	30	30	mg/Kg
BK42973	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	31.7	0.39	30	30	mg/Kg
BK42973	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	237	7.7	63	63	mg/Kg
BK42974	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	34.3	0.35	30	30	mg/Kg
BK42974	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	132	0.7	63	63	mg/Kg
BK42975	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	102	0.7	63	63	mg/Kg
BK42976	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	14	2.3	3.3	3.3	ug/Kg
BK42976	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	31.3	0.38	30	30	mg/Kg
BK42977	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	243	7.4	63	63	mg/Kg
BK42978	$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK42978	$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

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

December 30, 2015

SDG I.D.: GBK42972

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

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

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4 °C Pg 1 of 1

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

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[✓] Email: File

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

Project: 1815 OCEAN AVE BROOKLYN
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Pat Recelo Date: 12.17.15

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC+TICs 8260C	SVOC+TICs 8270D	TAL metals 6010C	Pest/PCB 8081B/8082A	Mercury 7471B	Cyanide 9014+9012B	Soil VOA Vials [✓] methanol [ ] H2O	GL Soil containers (8) oz	GL Soil containers ( ) 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
42972	N SW	S	12.17	1200	X	X	X	X	X	X										
42973	S SW			1215	X	X	X	X	X	X										
42974	E SW			1230	X	X	X	X	X	X										
42975	W SW			1245	X	X	X	X	X	X										
42976	bo Hom			1300	X	X	X	X	X	X										
42977	Soil duplicate 12/7				X	X	X	X	X	X										
42978	trip blank				X															
											3	2								
											3	2								
											9	6								
											3	2								
											3	2								
											3	2								
														2						

Relinquished by:	Accepted by:	Date:	Time:
Patricia Recelo	[illegible]	12-22-15	11:30
	Chandelle	12-22-15	1507

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

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

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

Comments, Special Requirements or Regulations:

1 run MS/MSD on ESW

Full TCL/TAL Analysis with CAT B Deliver

631 504 6000

Questions please call Chemist

State where samples were collected: NY

APPENDIX B
Daily Status Reports with Photographs

DAILY ACTIVITY REPORT

TOMAT SERVICE STATION

SITE ADDRESS: 1815 Ocean Avenue Brooklyn, NY
DATE: December 17, 2015
BCP NUMBER:

CONTRACTOR	MANPOWER	EQUIPMENT
Environmental Business Consultants		(1) PID
	Patrick Recio	(1) Dust Monitor

DESCRIPTION OF DAILY ACTIVITY

Excavated down 5' within the area of the footing to install a portion of the footing.
Soil excavated was placed on a liner of poly and then covered at the end of the day.
Due to rain beginning shortly after arrival to Site, only background air monitoring was conducted as min upwind and downwind.
Collected end point from bottom of excavation and submitted to lab for analysis

WEATHER	**WIND & DIRECTION**	ESE@9	**AM**	**TEMP**	41	**AM**	**SKY** Part Cloud	**AM**
		S@8	**PM**		50	**PM**	Sun	**PM**

AIR MONITORING

ONSITE CAMP STATIONS		Yes	**UPWIND**	Yes	**DOWNWIND**
CORRECTIVE ACTION REQUIRED	No	No	**ODOR**	No	**ODOR**
		No	**PID ACTION LIMIT**	No	**PID ACTION LIMIT**
		No	**PM ACTION LIMIT**	No	**PM ACTION LIMIT**
MAXIMUM AND MINIMUM PARTICULATE DETECTIONS (ug/m^3)		RAIN	**MAX UP WIND**	0.061	**MIN UP WIND**
		RAIN	**MAX DOWN WIND**	0.062	**MIN DOWN WIND**

MATERIALS TRANSPORTED OFFSITE AND DELIVERED TO SITE

Concrete was poured in framework for footing.

PLAN FOR TOMORROW

NONE

Photo Log 12/17/2015