BLOCK 3152 NORTH - 36-70 NOLL STREET
BLOCK 3152 SOUTH - 89-141 MELROSE STREET

BROOKLYN, NEW YORK 11206

Remedial Investigation Report

NYC VCP Site Number: 15CVCPK

OER Site Number: 14EHANK

Prepared for:

NY Developers

1825-65th Street

Brooklyn NY 11204

Prepared by:

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

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OCTOBER 2014

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photo-ionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Kevin Brussee, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located at 36-70 Noll Street and 89-141 Melrose Street, Brooklyn, NY, (NYC VCP Site No. 15CVCP012K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 36-70 Noll Street (north half of Block 3152) and 89-141 Melrose Street (south half of Block 3152) in the Bushwick section of Brooklyn, New York, and is currently identified as Block 3152, Lots 1, 2, 3, 35, 36, 37, 38, 41, 44, 45, 48, 56, 58, 62, 63, 64, and 66 on the New York City Tax Map. Figure 1 shows the Site location. A map of the site boundary for the north half of Block 3152 and the south half of Block 3152 is shown on Figures 2A and 2B.

Block 3152 is an irregular shaped Block bordered by Noll Street to the north, Stanwix Street to the west, Evergreen Avenue to the east, and Melrose Street to the south.

The largest lot (Lot 3) consists of the portion of the Site that will be redeveloped as Block 3152N. Lot 3 consists of 350 feet of street frontage on Noll Street, 321.83 feet of street frontage on Stanwix Street, 202.2 feet of street frontage on Evergreen Avenue, and 75 feet of street frontage on Melrose Street for a total of approximately 98,015 ft^2. The majority of the lot is currently developed with a one-story warehouse building accessed from Noll Street, but the lot also has a small two-story industrial building that fronts Melrose Street. An area behind the warehouse building is uncapped and undeveloped and utilized for storage of construction materials.

The southern half of Block 3152 consists of Lots 1, 2, 56, 58, 62, 63, 64, and 66 located at the corner of Melrose Street and Stanwix Street, and Lots 35, 36, 37, 38, 41, 43, 44, 45, 46 and 48 located on the corner of Melrose Street and Evergreen Avenue.

Lots 1, 2, 56, 58, 62, 63, 64, and 66 are uncapped and undeveloped, and are utilized for storage of building materials.

Lots 35, 44, and 45 are developed with 2-story industrial buildings, but Lots 36, 37, 38, 41, 43, 46 and 48 are uncapped and undeveloped and are either used for storage of building materials or used as part of the towing facility (Citi Towing & Recovery, Inc.) operating at 98 Evergreen Avenue.

Summary of Proposed Redevelopment Plan

The development project consists of dividing Block 3152 into a northern half and a southern half with a 60ft public access way. The entire footprint of the northern half of Block 3152 will be redeveloped with an 8-story mixed use (retail and residential) building with a full sub-cellar level parking garage and the entire footprint of the southern half of Block 3152 will be redeveloped with an 8-story mixed use (retail and residential) building with a cellar level parking garage and cellar level courtyard space. Open courtyards will be constructed above the sub-cellar level parking garage constructed on the northern half of Block 3152.

In addition to the sub-cellar level parking garage, the building on the northern half of Block 3152 will consist of cellar level retail space, the residential building's lobby/lounge, and storage and amenities space. The ground level will consist of retail space and residential apartments, and floors two through eight will be residential apartments.

The ground floor of the building on building proposed for the southern half of Block 3152 will consist of retail space, the residential building's lobby/lounge, mechanical rooms, and amenities space. Floors two through eight will be residential apartments.

The water table is expected at a depth greater than 48 feet below grade surface (bgs), and will therefore not be encountered during excavation.

Layout of the redevelopment plans for the proposed buildings presented in Figures 3A and 3B. The current zoning designation is R6A, R7A and with a C2-4 commercial overlay for the first 100ft along Evergreen Avenue. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I screening was competed by EBC in 2014. The following Site history was established based on historic Sanborn maps:

Both the north and south halves of Block 3152 were developed prior to 1888. Numerous 25ft wide lots were developed with 2 or 3-story apartment buildings along Stanwix Street and Melrose Street. Several of the buildings also had floor commercial space. A large lot with a small two story house was also located on Prospect Street (now known as Noll Street), and several undeveloped lots were located on the northern end of Stanwix Street and Evergreen Avenue.

The 1907 Sanborn map indicates the northern end of Stanwix Street and Evergreen Avenue and Noll Street were developed with new 3-story apartment buildings. The 2 and 3-story buildings along Stanwix Street and Emerson Street appear unchanged, but some uses are labeled, including a tailor, soda water bottling facility, a carraige house, and a club house. A large 2-story industrial building with a basement labeled as "Compound" was constructed in the northern half of Block 3152, and was accessible from Evergreen Avenue. The Compound consisted of a boiler room, elevator and a one-story accessory building labeled as storage.

The Compound building was a labeled as a laundry facility on the 1933 Sanborn map. The one-story accessory building was labeled as the boiler house, and storage, and the former boiler room was identified as an engine room. The 1933 Sanborn map also shows that two of the former 2-story apartment buildings on Melrose Street (119-121 Melrose Street) were demolished and replaced with a 1-story parking garage building. An underground gasoline tank is drawn in the front of the building.

The 1951 Sanborn map labels the former Compound/Laundry facility as a bakery. The accessory building(s) are no longer present. No other significant changes were noted for the other lots on the 1951 Sanborn map when compared to the 1933 Sanborn map.

The 1965 Sanborn map depicts Block 3152 as being developed with the buildings that currently stand at the Site. A large 1-story warehouse building is drawn across the north half of the Site and is labeled as Beer Storage & Shipping. The warehouse building is labeled as being constructed in 1964. A large beer cooler is drawn in the northwest corner of the building, and

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mezzanine is drawn in the northeast corner. The area behind the warehouse building is labeled as parking. The parking garage with the gas tank is still present, along with several 2 and 3-story apartment buildings. According to the Sanborn maps, the parking garage building was demolished by 1990.

Areas of Concern (AOCs) identified for the Site include:

1. The presence of historic fill material to depths as great as 10 feet below grade.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings across the north half of Block 3152, and collected 18 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 11 soil borings across the south half of Block 3152, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 2 groundwater monitoring wells on the north half of Block 3152 and collected 2 groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 3 groundwater monitoring wells throughout the Site and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
6. Installed 8 soil vapor implants on the north half of Block 3152 and collected 6 soil vapor samples for chemical analysis; and
7. Installed 8 soil vapor implants on the south half of Block 3152 and collected 8 soil vapor samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the northern half of Block 3152 varies between 58 and 63 feet, and the elevation of the southern half of Block 3152 varies between 63 and 70 ft.
2. Due to the significant increase in elevation of the northern end of the Site to the southern end of the Site, depth to groundwater varies from approximately 48 feet on the northern end to approximately 60 feet below sidewalk grade on the southern end.
3. Regional groundwater flow is generally west-northwest.

4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site consists of a layer of historic fill that extends to a depths as great as 10 feet below grade, underlain by native brown silty sand.
6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives as presented in 6NYCRR Part 375-6.8 and CP51.

Block 3152 North

Data collected during the RI showed several VOCs were present at a concentration below Unrestricted Use SCOs including acetone (maximum of 1.4 µg/kg), naphthalene (110 µg/kg), and toluene (maximum of 3.8 µg/kg). Four SVOCs, benz(a)anthracene (1,000 µg/kg), benzo(b)fluoranthene (1,300 µg/kg), chrysene (1,300 µg/kg), and indeno(1,2,3-cd)pyrene (530 µg/kg) were detected above Unrestricted Use SCOs within two of the eight shallow soil samples. Of these SVOCs, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene also exceeded Restricted Residential Use SCOs. The pesticides 4,4'-DDT (5.3 µg/kg) and chlordane (110 µg/kg) were found in two of the eight shallow samples exceeding Unrestricted Use SCOs. The metal mercury (maximum of 0.99 mg/kg) was detected within one shallow soil sample at a concentration exceeding Restricted Residential Use SCOs and two other shallow soil samples exceeding Unrestricted Use SCOs. The metal lead (72.2 mg/kg) was detected within one shallow soil sample exceeding Unrestricted Use SCOs.

Block 3152 South

Data collected during the RI showed several VOCs were present at a concentration below Unrestricted Use SCOs including acetone (maximum of 21 µg/kg), benzene (maximum of 8.9 µg/kg), carbon disulfide (1.3 µg/kg), ethylbenzene (1.1 µg/kg), m&p-xylenes (2.2 µg/kg), methyle chloride (maximum of 1.6 µg/kg), tetrachloroethene (maximum of 7 µg/kg), toluene (maximum of 9.2 µg/kg), and trichloroethylene (2.7 µg/kg). Seven SVOCs, benz(a)anthracene (maximum of 27,000 µg/kg), benzo(a)pyrene (maximum of 22,000 µg/kg), benzo(b)fluoranthene (maximum of 32,000 µg/kg), benzo(k)fluoranthene (maximum of 9,400 µg/kg), chrysene (maximum of 25,000 µg/kg), dibenz(a,h)anthracene (maximum of 2,200 µg/kg), and indeno(1,2,3-cd)pyrene (maximum of 5,700 µg/kg) were

detected above Restricted Residential Use SCOs within six of the twelve shallow soil samples. The pesticide 4,4'-DDT (4.9 µg/kg) was found in one of the twelve shallow samples exceeding Unrestricted Use SCOs. PCB-1254 (maximum of 220 µg/kg) was found in the two of the twelve shallow soil samples exceeding Unrestricted Use SCOs. Several metals including barium (maximum of 1,260 mg/kg), copper (166 mg/kg), lead (maximum of 844 mg/kg), mercury (maximum of 1.09 mg/kg), and zinc (maximum of 1,160 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, barium, lead and mercury also exceeded Restricted Residential Use SCOs.

Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.

7. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS).

Block 3152 North

Groundwater samples collected during the RI showed no PCBs or pesticides at detectable concentrations. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; 1,1,1-trichloroethane (max. of 0.55 µg/L), acetone (max. of 3.4 µg/L), carbon disulfide (0.35 µg/L), chloroform (max. of 1 µg/L), chloromethane (0.54 µg/L), cis-1,2-dichloroethene (0.24 µg/L), tetrachloroethene (max. of 1.6 µg/L), and trichloroethene (max. of 2.2 µg/L). Two SVOCs, including benz(a)anthracene (max. of 0.04 µg/L) and chrysene (0.03 µg/L) were detected above GQS in all both groundwater samples.

Block 3152 South

Groundwater samples collected during the RI showed no PCBs or pesticides at detectable concentrations. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; acetone (max. of 1.1 µg/L), chloroform (max. of 3.3 µg/L), tetrachloroethene (max. of 4.3 µg/L), and trichloroethene (max. of 3.4 µg/L). Two SVOCs, including benz(a)anthracene (max. of 0.04 µg/L) and chrysene (0.03 µg/L) were detected above GQS in all five groundwater samples. Three metals including magnesium

(max. of 41.1 mg/L), manganese (max. of 0.551 mg/L) and sodium (max. of 69 mg/L) exceeded their respective GQS in the one groundwater sample submitted for laboratory analysis of dissolved metals.

8. Soil vapor results collected during the RI were compared to the compounds listed in Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006.

Block 3152 North

Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Total concentrations of petroleum-related VOCs (BTEX) ranged from 10.64 $\mu g/m^3$ to 33.34 $\mu g/m^3$. Trichloroethylene (TCE) was detected in two of the five soil vapor samples at concentrations of 1.5 $\mu g/m^3$ and 3.28 $\mu g/m^3$, tetrachloroethylene (PCE) was detected in all five soil vapor samples, and ranged in concentration from 0.474 to 1.29 $\mu g/m^3$. Carbon tetrachloride was detected within all five soil vapor samples, and ranged in concentration from 0.251 to 11.6 $\mu g/m^3$, and 1,1,1-trichloethylene (TCA) was detected in all five soil gas samples at a concentration ranging from 1.42 to 17.9 $\mu g/m^3$. The PCE, TCE and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The carbon tetrachchloride concentration is above the monitoring/mitigation range established by NYSDOH within one of the soil vapor samples collected from the north half of Block 3152.

Block 3152 South

Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Total concentrations of BTEX ranged from 12.81 $\mu g/m^3$ to 86.84 $\mu g/m^3$. TCE was detected in seven of the eight soil vapor samples, and ranged in concentration from 0.967 $\mu g/m^3$ and 12.7 $\mu g/m^3$. PCE was detected in all eight soil vapor samples, and ranged in concentration from 0.474 to 422 $\mu g/m^3$. Carbon tetrachloride was detected within seven of the eight soil vapor samples, and ranged in concentration from 0.251 to 0.566 $\mu g/m^3$, and 1,1,1-trichloethylene (TCA) was detected in six of the eight soil gas samples at a concentration ranging from 2.67 to 34.7 $\mu g/m^3$. The carbon tetrachloride and

TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The PCE and TCE concentrations are above the monitoring/mitigation range established by NYSDOH within multiple soil vapor samples collected from the south half of Block 3152.

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REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

NY Developers has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 3.32-acre Site located at 36-70 Noll Street (north half of Block 3152) and 89-141 Melrose Street (south half of Block 3152) in the Bushwick section of Brooklyn, New York. The Site will be redeveloped with two separate 8-story mixed-use buildings (retail and residential) separated by a 60ft wide public access area that will divide Block 3152 into a north half and a south half. The portion of the RI work conducted on the Site was conducted from January to April of 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 36-70 Noll Street (north half of Block 3152) and 89-141 Melrose Street (south half of Block 3152) in the Bushwick section of Brooklyn, New York, and is currently identified as Block 3152, Lots 1, 2, 3, 35, 36, 37, 38, 41, 44, 45, 48, 56, 58, 62, 63, 64, and 66 on the New York City Tax Map. Figure 1 shows the Site location. A map of the site boundary for the north half of Block 3152 and the south half of Block 3152 is shown on Figures 2A and 2B.

Block 3152 is an irregular shaped Block bordered by Noll Street to the north, Stanwix Street to the west, Evergreen Avenue to the east, and Melrose Street to the south.

The largest lot (Lot 3) consists of the portion of the Site that will be redeveloped as Block 3152N. Lot 3 consists of 350 feet of street frontage on Noll Street, 321.83 feet of street frontage on Stanwix Street, 202.2 feet of street frontage on Evergreen Avenue, and 75 feet of street frontage on Melrose Street for a total of approximately 98,015 ft^2. The majority of the lot is currently developed with a one-story warehouse building accessed from Noll Street, but the lot also has a small two-story industrial building that fronts Melrose Street. An area behind the

warehouse building is uncapped and undeveloped and utilized for storage of construction materials.

The southern half of Block 3152 consists of Lots 1, 2, 56, 58, 62, 63, 64, and 66 located at the corner of Melrose Street and Stanwix Street, and Lots 35, 36, 37, 38, 41, 43, 44, 45, 46 and 48 located on the corner of Melrose Street and Evergreen Avenue.

Lots 1, 2, 56, 58, 62, 63, 64, and 66 are uncapped and undeveloped, and are utilized for storage of building materials.

Lots 35, 44, and 45 are developed with 2-story industrial buildings, but Lots 36, 37, 38, 41, 43, 46 and 48 are uncapped and undeveloped and are either used for storage of building materials or used as part of the towing facility (Citi Towing & Recovery, Inc.) operating at 98 Evergreen Avenue.

1.2 Proposed Redevelopment Plan

The development project consists of dividing Block 3152 into a northern half and a southern half with a 60ft public access way. The entire footprint of the northern half of Block 3152 will be redeveloped with an 8-story mixed use (retail and residential) building with a full sub-cellar level parking garage and the entire footprint of the southern half of Block 3152 will be redeveloped with an 8-story mixed use (retail and residential) building with a cellar level parking garage and cellar level courtyard space. Open courtyards will be constructed above the sub-cellar level parking garage constructed on the northern half of Block 3152.

In addition to the sub-cellar level parking garage, the building on the northern half of Block 3152 will consist of cellar level retail space, the residential building's lobby/lounge, and storage and amenities space. The ground level will consist of retail space and residential apartments, and floors two through eight will be residential apartments.

The ground floor of the building on building proposed for the southern half of Block 3152 will consist of retail space, the residential building's lobby/lounge, mechanical rooms, and amenities space. Floors two through eight will be residential apartments.

The water table is expected at a depth greater than 35 feet below grade surface (bgs), and will therefore not be encountered during excavation.

Layout of the redevelopment plans for the proposed buildings presented in Figures 3A and 3B. The current zoning designation is R6A, R7A and with a C2-4 commercial overlay for the first 100ft along Evergreen Avenue. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding Site consists of numerous new 3-story multi-family walk-ups to the west, industrial/manufacturing lots to the south and east, and a 220,000 ft^2 one-story industrial/manufacturing building to the North. Figure 4 shows the surrounding land usage of the adjacent properties listed below as well as additional properties located up to 500 feet away from the Site. A NYC public school (PS 145) is located approximately 100ft to the northeast. No other hospitals, schools or daycare facilities are located within a 250 ft radius of the Site.

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2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I screening was competed by EBC in 2014. The following Site history was established based on historic Sanborn maps:

Both the north and south halves of Block 3152 were developed prior to 1888. Numerous 25ft wide lots were developed with 2 or 3-story apartment buildings along Stanwix Street and Melrose Street. Several of the buildings also had floor commercial space. A large lot with a small two story house was also located on Prospect Street (now known as Noll Street), and several undeveloped lots were located on the northern end of Stanwix Street and Evergreen Avenue.

The 1907 Sanborn map indicates the northern end of Stanwix Street and Evergreen Avenue and Noll Street were developed with new 3-story apartment buildings. The 2 and 3-story buildings along Stanwix Street and Emerson Street appear unchanged, but some uses are labeled, including a tailor, soda water bottling facility, a carraige house, and a club house. A large 2-story industrial building with a basement labeled as "Compound" was constructed in the northern half of Block 3152, and was accessible from Evergreen Avenue. The Compound consisted of a boiler room, elevator and a one-story accessory building labeled as storage.

The Compound building was a labeled as a laundry facility on the 1933 Sanborn map. The one-story accessory building was labeled as the boiler house, and storage, and the former boiler room was identified as an engine room. The 1933 Sanborn map also shows that two of the former 2-story apartment buildings on Melrose Street (119-121 Melrose Street) were demolished and replaced with a 1-story parking garage building. An underground gasoline tank is drawn in the front of the building.

The 1951 Sanborn map labels the former Compound/Laundry facility as a bakery. The accessory building(s) are no longer present. No other significant changes were noted for the other lots on the 1951 Sanborn map when compared to the 1933 Sanborn map.

The 1965 Sanborn map depicts Block 3152 as being developed with the buildings that currently stand at the Site. A large 1-story warehouse building is drawn across the north half of the Site

and is labeled as Beer Storage & Shipping. The warehouse building is labeled as being constructed in 1964. A large beer cooler is drawn in the northwest corner of the building, and mezzanine is drawn in the northeast corner. The area behind the warehouse building is labeled as parking. The parking garage with the gas tank is still present, along with several 2 and 3-story apartment buildings. According to the Sanborn maps, the parking garage building was demolished by 1990.

2.2 Previous Investigations

A Phase I Environmental Site Assessment was performed by IVI Assessment Services, Inc. in June of 2012 for a portion of the Site (Block 3152, Lots 1, 2, 45, 46, 49, 56, 58, 62, 63, 64, and 66) as well as properties located north of the Site. IVI Assessment Services, Inc. determined that "prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings".

EBC is not aware of any previous subsurface investigations conducted at the Site.

2.3 Site Inspection

Mr. Kevin Waters of EBC performed a site inspection on January 16, 2014, beginning at approximately 7:00 am. The reconnaissance included a visual inspection of the property, the interior of the warehouse building, and the sidewalk around the perimeter of the Site. At the time of the Site inspection, the Site consisted of several uncapped and undeveloped lots along Melrose Street that were used for storage of building materials. The warehouse building was occupied by several tenants. No evidence of an aboveground or underground storage tank was observed during the site inspection.

2.4 Areas of Concern

Areas of Concern (AOCs) identified for the Site include:

1. The presence of historic fill material to depths as great as 10 feet.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Kevin Brussee.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

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4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings across the north half of Block 3152, and collected 18 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 11 soil borings across the south half of Block 3152, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 2 groundwater monitoring wells on the north half of Block 3152 and collected 2 groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 3 groundwater monitoring wells throughout the Site and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
6. Installed 8 soil vapor implants on the north half of Block 3152 and collected 6 soil vapor samples for chemical analysis; and
7. Installed 8 soil vapor implants on the south half of Block 3152 and collected 8 soil vapor samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical investigation was not performed as a part of this assessment.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On February 26, 2014, February 27, 2014, February 28, 2014, and March 4, 2014, twenty soil borings (SB1 through SB20) were installed across the entire Site in the approximate locations shown on Figure 5. Soil borings SB1 through SB8 were performed on the northern half of Block 3152, and soil borings SB9 through SB20 were performed on the southern half of Block 3152. The twenty soil boring locations were chosen to gain representative soil quality information across the Site. For each of the twenty soil borings, soil samples were collected continuously from grade to a final depth of 15 feet below existing grade using a five-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photoionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background

concentrations were detected. From each soil boring, soil samples were retained for laboratory analysis from the intervals 0 to 2 feet below grade and 13 to 15 feet below grade.

Soil boring details are provided in Table 1. Boring logs were prepared by a Qualified Environmental Professional and are attached in Attachment B.

Groundwater Monitoring Well Construction

In January to March of 2014, five temporary 1-inch diameter PVC monitoring wells (MW1, MW2, MW5, MW7 and MW9) were installed by EBC at the approximate locations shown on Figures 5A and 5B. The five monitoring wells consisted of 10 feet of 0.010 slot screen set to intersect the water table. Monitoring wells MW2 and MW5 were installed on the northern half of Block 3152, and monitoring wells MW5, MW7 and MW9 were installed on the southern half of Block 3152. Due to the significant change in grade from the northern end of Block 3152 to the southern end, the installation depths varied. Monitoring wells MW7 and MW8 which were installed on the southern end of Block 3152 were installed at a depth of approximately 65 feet below grade. MW9 which was installed in the middle of Block 3152 was installed at a depth of approximately 60 feet below grade. Monitoring wells MW1 and MW were both installed at a depth of approximately 55 feet below grade. Monitoring well sampling details are provided in Table 1. Monitoring well locations are shown in Figure 5.

Survey

Soil borings, monitoring wells and soil gas sampling locations were located to the nearest 0.10 foot with respect to two or more permanent site features.

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the five monitoring wells. Water level data is included in Table 1.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area

history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Twenty soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 2, 3, 4 and 5. Figure 5 shows the location of samples collected during this RI. Laboratories and analytical methods for soil samples collected during the RI are shown below.

The twenty soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody 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). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

Groundwater Sampling

Five groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a stainless steel check valve. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals. Groundwater sample collection data is reported in Tables 6 through 9. Sampling logs with information on purging and sampling of groundwater monitoring wells are included in Appendix C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

In February and March of 2014, sixteen soil vapor probes were installed. Fourteen soil vapor samples were collected from the sixteen soil vapor probes for chemical analysis during this RI. Two of the soil vapor probes that had been installed within the warehouse had been destroyed by the equipment/machinery operating within the building. The collection location of the fourteen soil vapor samples is shown on Figure 5. Soil vapor sample collection data is reported in Table 10, and the soil vapor sampling logs are included in Attachment D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

All fourteen soil vapor probes were installed using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor probes is shown on Figure 5. The vapor probes that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The sixteen soil vapor probes installed in February and March of 2014, were installed to a depth of 15 feet below grade. Each probe was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the probe to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Soil vapor sampling for the four soil vapor probes was conducted on April 25, 2014. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure

was employed at all fourteen soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the fourteen vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (Attachment D). Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000);

	• PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 10. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Attachment E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site consists of a layer of historic fill that extends to a depths as great as 10 feet below grade, underlain by native brown silty sand.

Hydrogeology

The elevation of the Site increases by approximately 8 to 10 feet from the north end of the Site to the south end of the Site. The average depth to groundwater is 55 feet. Regional groundwater flow is generally west-northwest.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill for both the North and South sections of Block 3152. A summary table of data for chemical analyses performed on soil samples is included in Tables 2A through 5B. Figure 6 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Block 3152 North

Data collected during the RI showed several VOCs were present at a concentration below Unrestricted Use SCOs including acetone (maximum of 1.4 µg/kg), naphthalene (110 µg/kg), and toluene (maximum of 3.8 µg/kg). Four SVOCs, benz(a)anthracene (1,000 µg/kg), benzo(b)fluoranthene (1,300 µg/kg), chrysene (1,300 µg/kg), and indeno(1,2,3-cd)pyrene (530 µg/kg) were detected above Unrestricted Use SCOs within two of the eight shallow soil samples. Of these SVOCs, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene also exceeded Restricted Residential Use SCOs. The pesticides 4,4'-DDT (5.3 µg/kg) and chlordane (110 µg/kg) were found in two of the eight shallow samples exceeding Unrestricted Use SCOs. The metal mercury (maximum of 0.99 mg/kg) was detected within one shallow soil sample at a concentration exceeding Restricted Residential Use SCOs and two other shallow soil samples exceeding Unrestricted Use SCOs. The metal lead (72.2 mg/kg) was detected within one shallow soil sample exceeding Unrestricted Use SCOs.

Block 3152 South

Data collected during the RI showed several VOCs were present at a concentration below Unrestricted Use SCOs including acetone (maximum of 21 µg/kg), benzene (maximum of 8.9 µg/kg), carbon disulfide (1.3 µg/kg), ethylbenzene (1.1 µg/kg), m&p-xylenes (2.2 µg/kg), methyle chloride (maximum of 1.6 µg/kg), tetrachloroethene (maximum of 7 µg/kg), toluene (maximum of 9.2 µg/kg), and trichloroethylene (2.7 µg/kg). Seven SVOCs, benz(a)anthracene (maximum of 27,000 µg/kg), benzo(a)pyrene (maximum of 22,000 µg/kg), benzo(b)fluoranthene (maximum of 32,000 µg/kg), benzo(k)fluoranthene (maximum of 9,400 µg/kg), chrysene (maximum of 25,000 µg/kg), dibenz(a,h)anthracene (maximum of 2,200 µg/kg), and indeno(1,2,3-cd)pyrene (maximum of 5,700 µg/kg) were detected above Restricted Residential Use SCOs within six of the twelve shallow soil samples. The pesticide 4,4'-DDT (4.9 µg/kg) was found in one of the twelve shallow samples exceeding Unrestricted Use SCOs. PCB-1254 (maximum of 220 µg/kg) was found in the two of the twelve shallow soil samples exceeding Unrestricted Use SCOs. Several metals including barium (maximum of 1,260 mg/kg), copper (166 mg/kg), lead (maximum of 844 mg/kg), mercury (maximum of 1.09 mg/kg), and zinc (maximum of 1,160 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, barium, lead and mercury also exceeded Restricted Residential Use SCOs.

Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.

5.3 Groundwater Chemistry

Data collected during the RI performed in 2014 is sufficient to delineate the distribution of contaminants in groundwater for both the North and South sections of Block 3152. A summary table of data for chemical analyses performed on groundwater samples collected during the RI is included in Tables 6 through 10. Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS) for the RI. A copy of the laboratory report for the groundwater samples is provided in Attachment D.

Block 3152 North

Groundwater samples collected during the RI showed no PCBs or pesticides at detectable concentrations. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; 1,1,1-trichloroethane (max. of 0.55 µg/L), acetone (max. of 3.4 µg/L), carbon disulfide (0.35 µg/L), chloroform (max. of 1 µg/L), chloromethane (0.54 µg/L), cis-1,2-dichloroethene (0.24 µg/L), tetrachloroethene (max. of 1.6 µg/L), and trichloroethene (max. of 2.2 µg/L). Two SVOCs, including benz(a)anthracene (max. of 0.04 µg/L) and chrysene (0.03 µg/L) were detected above GQS in all both groundwater samples.

Block 3152 South

Groundwater samples collected during the RI showed no PCBs or pesticides at detectable concentrations. No VOCs were detected above GQS, but the following VOCs were detected at trace amounts; acetone (max. of 1.1 µg/L), chloroform (max. of 3.3 µg/L), tetrachloroethene (max. of 4.3 µg/L), and trichloroethene (max. of 3.4 µg/L). Two SVOCs, including benz(a)anthracene (max. of 0.04 µg/L) and chrysene (0.03 µg/L) were detected above GQS in all five groundwater samples. Three metals including magnesium (max. of 41.1 mg/L), manganese (max. of 0.551 mg/L) and sodium (max. of 69 mg/L) exceeded their respective GQS in the one groundwater sample submitted for laboratory analysis of dissolved metals.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor for both the North and South sections of Block 3152. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 11. Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

Block 3152 North

Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Total concentrations of petroleum-related VOCs (BTEX) ranged from 10.64 $\mu g/m^3$ to 33.34 $\mu g/m^3$. Trichloroethylene (TCE) was detected in two of the five soil vapor samples at concentrations of 1.5 $\mu g/m^3$ and 3.28 $\mu g/m^3$, tetrachloroethylene (PCE) was detected in all five soil vapor samples, and ranged in concentration from 0.474 to 1.29 $\mu g/m^3$. Carbon tetrachloride was detected within all five soil vapor samples, and ranged in concentration from

0.251 to 11.6 µg/m^3, and 1,1,1-trichloethylene (TCA) was detected in all five soil gas samples at a concentration ranging from 1.42 to 17.9 µg/m^3. The PCE, TCE and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The carbon tetrachchloride concentration is above the monitoring/mitigation range established by NYSDOH within one of the soil vapor samples collected from the north half of Block 3152.

Block 3152 South

Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Total concentrations of BTEX ranged from 12.81 µg/m^3 to 86.84 µg/m^3. TCE was detected in seven of the eight soil vapor samples, and ranged in concentration from 0.967 µg/m^3 and 12.7 µg/m^3. PCE was detected in all eight soil vapor samples, and ranged in concentration from 0.474 to 422 µg/m^3. Carbon tetrachloride was detected within seven of the eight soil vapor samples, and ranged in concentration from 0.251 to 0.566 µg/m^3, and 1,1,1-trichloethylene (TCA) was detected in six of the eight soil gas samples at a concentration ranging from 2.67 to 34.7 µg/m^3. The carbon tetrachloride and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The PCE and TCE concentrations are above the monitoring/mitigation range established by NYSDOH within multiple soil vapor samples collected from the south half of Block 3152.

5.4 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected for the Site.

5.5 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

TABLES

Rheingold Properties
Block 3152 North
36-70 Noll Street, Brooklyn, New York

TABLE 2A
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3				SB4				SB5				SB6				SB7				SB8			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014		2/26/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/28/2014		2/28/2014		2/28/2014		2/28/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/26/2014		2/26/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1,1-Trichloroethane	680	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1,2,2-Tetrachloroethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1,2-Trichloroethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1-Dichloroethane	270	26,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1-Dichloroethene	330	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,1-Dichloropropene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2,3-Trichlorobenzene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2,3-Trichloropropane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2,4-Trichlorobenzene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2,4-Trimethylbenzene	3,600	52,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2-Dibromo-3-chloropropane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2-Dibromoethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2-Dichlorobenzene	1,100	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2-Dichloroethane	20	3,100	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,2-Dichloropropane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,3,5-Trimethylbenzene	8,400	52,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,3-Dichlorobenzene	2,400	4,900	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,3-Dichloropropane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
1,4-Dichlorobenzene	1,800	13,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
2,2-Dichloropropane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
2-Chlorotoluene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
2-Hexanone (Methyl Butyl Ketone)			< 27	27	< 27	27	< 26	26	< 26	26	< 27	27	< 26	26	< 26	26	< 26	26	< 27	27	< 26	26	< 26	26	< 26	26	< 28	28	< 26	26	< 27	27	< 26	26
2-Isopropyltoluene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
4-Chlorotoluene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
4-Methyl-2-Pentanone			< 27	27	< 27	27	< 26	26	< 26	26	< 27	27	< 26	26	< 26	26	< 26	26	< 27	27	< 26	26	< 26	26	< 26	26	< 28	28	< 26	26	< 27	27	< 26	26
Acetone	50	100,000	< 54	54	< 54	54	< 50	50	< 50	50	**15**	54	< 52	52	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 56	56	< 52	52	< 54	54	< 52	52
Acrylonitrile			< 11	11	< 11	11	< 10	10	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10
Benzene	60	4,800	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Bromobenzene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Bromochloromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Bromodichloromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Bromoform			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Bromomethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Carbon Disulfide			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Carbon tetrachloride	760	2,400	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Chlorobenzene	1,100	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Chloroethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Chloroform	370	49,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Chloromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
cis-1,2-Dichloroethene	250	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
cis-1,3-Dichloropropene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Dibromochloromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Dibromomethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Dichlorodifluoromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Ethylbenzene	1,000	41,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Hexachlorobutadiene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Isopropylbenzene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
m&p-Xylenes	260	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 33	33	< 32	32	< 31	31	< 31	31	< 33	33	< 31	31	< 32	32	< 31	31	< 32	32	< 31	31	< 32	32	< 31	31	< 34	34	< 31	31	< 32	32	< 31	31
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 11	11	< 10	10	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10
Methylene chloride	50	100,000	**1.1**	5.4	**1**	5.4	**1.1**	5.2	**0.98**	5.2	**1.4**	5.4	**0.95**	5.2	**1.1**	5.3	**0.9**	5.2	**0.99**	5.4	**1.1**	5.2	**0.87**	5.3	**1.1**	5.1	**1.1**	5.6	**0.89**	5.2	**1**	5.4	**0.98**	5.2
Naphthalene	12,000	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	**110**	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
n-Butylbenzene	12,000	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
n-Propylbenzene	3,900	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
o-Xylene	260	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
p-Isopropyltoluene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
sec-Butylbenzene	11,000	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Styrene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
tert-Butylbenzene	5,900	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 270	270	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Tetrachloroethene	1,300	19,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Tetrahydrofuran (THF)			< 11	11	< 11	11	< 10	10	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10
Toluene	700	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	**3.8**	5.3	**1.5**	5.2	**0.92**	5.4	**2.5**	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
trans-1,2-Dichloroethene	190	100,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
trans-1,3-Dichloropropene			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
trabs-1,4-dichloro-2-butene			< 11	11	< 11	11	< 10	10	< 10	10	< 540	540	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10	< 11	11	< 10	10
Trichloroethene	470	21,000	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Trichlorofluoromethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Trichlorotrifluoroethane			< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2	< 5.3	5.3	< 5.1	5.1	< 5.6	5.6	< 5.2	5.2	< 5.4	5.4	< 5.2	5.2
Vinyl Chloride	20	900	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.2	5.2	< 5.4	5.

Rheingold Properties
Block 3152 South
89-141 Melrose Street, Brooklyn, New York

TABLE 2B
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB9				SB10				SB11				SB12				SB13				SB14				SB15				SB16				SB17				SB18				SB19				SB20			
			(0-2')		(15-17')		(0-2')		(13-15')		(0-2')		(15-17')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/27/2014		1/16/2014		2/27/2014		2/27/2014		2/27/2014		1/16/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/28/2014		2/28/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1,1-Trichloroethane	680	100,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1,2,2-Tetrachloroethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1,2-Trichloroethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1-Dichloroethane	270	26,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1-Dichloroethene	330	100,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,1-Dichloropropene			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,2,3-Trichlorobenzene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2,3-Trichloropropane			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2,4-Trichlorobenzene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2,4-Trimethylbenzene	3,600	52,000	< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2-Dibromo-3-chloropropane			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2-Dibromoethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,2-Dichlorobenzene	1,100	100,000	< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,2-Dichloroethane	20	3,100	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,2-Dichloropropane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,3,5-Trimethylbenzene	8,400	52,000	< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,3-Dichlorobenzene	2,400	4,900	< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
1,3-Dichloropropane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
1,4-Dichlorobenzene	1,800	13,000	< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
2,2-Dichloropropane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
2-Chlorotoluene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
2-Hexanone (Methyl Butyl Ketone)			< 28	28	< 29	29	< 27	27	< 28	28	< 27	27	< 29	29	< 28	28	< 27	27	< 27	27	< 27	27	< 28	28	< 28	28	< 26	26	< 26	26	< 28	28	< 27	27	< 27	27	< 26	26	< 29	29	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27
2-Isopropyltoluene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
4-Chlorotoluene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
4-Methyl-2-Pentanone			< 28	28	< 29	29	< 27	27	< 28	28	< 27	27	< 29	29	< 28	28	< 27	27	< 27	27	< 27	27	< 28	28	< 28	28	< 26	26	< 26	26	< 28	28	< 27	27	< 27	27	< 26	26	< 29	29	< 27	27	< 27	27	< 27	27	< 27	27	< 27	27
Acetone	50	100,000	**14**	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 56	56	< 53	53	**15**	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	**21**	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50	< 50	50
Acrylonitrile			< 11	11	< 12	12	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 10	10	< 10	10	< 11	11	< 11	11	< 11	11	< 11	11	< 12	12	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Benzene	60	4,800	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	**8.9**	5.3	< 5.3	5.3	**1.4**	5.4	< 5.3	5.3
Bromobenzene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
Bromochloromethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Bromodichloromethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Bromoform			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Bromomethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Carbon Disulfide			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	**1.3**	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Carbon tetrachloride	760	2,400	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Chlorobenzene	1,100	100,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Chloroethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Chloroform	370	49,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Chloromethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
cis-1,2-Dichloroethene	250	100,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
cis-1,3-Dichloropropene			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Dibromochloromethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Dibromomethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Dichlorodifluoromethane			< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Ethylbenzene	1,000	41,000	< 5.6	5.6	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.7	5.7	< 5.6	5.6	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 5.4	5.4	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	**1.1**	5.3	< 5.3	5.3	< 5.4	5.4	< 5.3	5.3
Hexachlorobutadiene			< 280	280	< 5.8	5.8	< 5.4	5.4	< 5.5	5.5	< 270	270	< 5.7	5.7	< 280	280	< 5.3	5.3	< 5.4	5.4	< 5.4	5.4	< 5.6	5.6	< 5.5	5.5	< 5.2	5.2	< 5.2	5.2	< 5.5	5.5	< 5.4	5.4	< 270	270	< 5.3	5.3	< 5.8	5.8	< 5.5	5.5	< 5.3	5.3	< 5.3	5.3	< 270	270	< 5.3	5.3
Isopropylben

Rheingold Properties
Block 3152 North
36-70 Noll Street, Brooklyn, New York

TABLE 3A
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3				SB4				SB5				SB6				SB7				SB8			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014		2/26/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/28/2014		2/28/2014		2/28/2014		2/28/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/26/2014		2/26/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
1,2,4-Trichlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
1,2-Dichlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
1,2-Diphenylhydrazine			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
1,3-Dichlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
1,4-Dichlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,4,5-Trichlorophenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,4,6-Trichlorophenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,4-Dichlorophenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,4-Dimethylphenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,4-Dinitrophenol			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
2,4-Dinitrotoluene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2,6-Dinitrotoluene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2-Chloronaphthalene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2-Chlorophenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2-Methylnaphthalene			< 250	250	< 250	250	**160**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
2-Nitroaniline			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
2-Nitrophenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
3&4-Methylphenol (m&p-cresol)			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
3,3'-Dichlorobenzidine			< 700	700	< 710	710	< 690	690	< 670	670	< 710	710	< 690	690	< 690	690	< 670	670	< 690	690	< 680	680	< 700	700	< 680	680	< 750	750	< 680	680	< 720	720	< 680	680
3-Nitroaniline			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
4,6-Dinitro-2-methylphenol			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
4-Bromophenyl phenyl ether			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
4-Chloro-3-methylphenol			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
4-Chloroaniline			< 700	700	< 710	710	< 690	690	< 670	670	< 710	710	< 690	690	< 690	690	< 670	670	< 690	690	< 680	680	< 700	700	< 680	680	< 750	750	< 680	680	< 720	720	< 680	680
4-Chlorophenyl phenyl ether			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
4-Nitroaniline			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
4-Nitrophenol			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
Acenaphthene	20,000	100,000	< 250	250	< 250	250	**230**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Acenaphthylene	100,000	100,000	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Acetophenone			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Aniline			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
Anthracene	100,000	100,000	< 250	250	< 250	250	**350**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	**220**	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Benz(a)anthracene	1,000	1,000	< 250	250	< 250	250	**1,000**	240	< 240	240	< 250	250	< 240	240	**300**	240	< 230	230	**120**	240	< 240	240	**710**	240	< 240	240	**430**	260	< 240	240	< 250	250	< 240	240
Benzidine			< 700	700	< 710	710	< 690	690	< 670	670	< 710	710	< 690	690	< 690	690	< 670	670	< 690	690	< 680	680	< 700	700	< 680	680	< 750	750	< 680	680	< 720	720	< 680	680
Benzo(a)pyrene	1,000	1,000	< 250	250	< 250	250	**930**	240	< 240	240	< 250	250	< 240	240	**260**	240	< 230	230	< 240	240	< 240	240	**620**	240	< 240	240	**720**	260	< 240	240	< 250	250	< 240	240
Benzo(b)fluoranthene	1,000	1,000	< 250	250	< 250	250	**1,300**	240	< 240	240	< 250	250	< 240	240	**360**	240	< 230	230	**130**	240	< 240	240	**850**	240	< 240	240	**850**	260	< 240	240	< 250	250	< 240	240
Benzo(ghi)perylene	100,000	100,000	< 250	250	< 250	250	**540**	240	< 240	240	< 250	250	< 240	240	**150**	240	< 230	230	< 240	240	< 240	240	**340**	240	< 240	240	**780**	260	< 240	240	< 250	250	< 240	240
Benzo(k)fluoranthene	800	3,900	< 250	250	< 250	250	**350**	240	< 240	240	< 250	250	< 240	240	**140**	240	< 230	230	< 240	240	< 240	240	**330**	240	< 240	240	**300**	260	< 240	240	< 250	250	< 240	240
Benzoic acid			< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
Benzyl butyl phthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Bis(2-chloroethoxy)methane			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Bis(2-chloroethyl)ether			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Bis(2-chloroisopropyl)ether			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Bis(2-ethylhexyl)phthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Carbazole			< 1800	1,800	< 1800	1,800	**380**	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800	< 1700	1,700
Chrysene	1,000	3,900	< 250	250	< 250	250	**1,300**	240	< 240	240	< 250	250	< 240	240	**350**	240	< 230	230	**130**	240	< 240	240	**720**	240	< 240	240	**450**	260	< 240	240	< 250	250	< 240	240
Dibenz(a,h)anthracene	330	330	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Dibenzofuran	7,000	59,000	< 250	250	< 250	250	**280**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Diethyl phthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Dimethylphthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Di-n-butylphthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Di-n-octylphthalate			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Fluoranthene	100,000	100,000	< 250	250	< 250	250	**2,900**	240	< 240	240	< 250	250	< 240	240	**550**	240	< 230	230	**250**	240	< 240	240	**1,600**	240	< 240	240	**640**	260	< 240	240	< 250	250	< 240	240
Fluorene	30,000	100,000	< 250	250	< 250	250	**260**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Hexachlorobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Hexachlorobutadiene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Hexachlorocyclopentadiene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Hexachloroethane			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Indeno(1,2,3-cd)pyrene	500	500	< 250	250	< 250	250	**480**	240	< 240	240	< 250	250	< 240	240	**120**	240	< 230	230	< 240	240	< 240	240	**310**	240	< 240	240	**530**	260	< 240	240	< 250	250	< 240	240
Isophorone			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Naphthalene	12,000	100,000	< 250	250	< 250	250	**490**	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Nitrobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
N-Nitrosodimethylamine			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
N-Nitrosodi-n-propylamine			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
N-Nitrosodiphenylamine			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Pentachloronitrobenzene			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Pentachlorophenol	800	6,700	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Phenanthrene	100,000	100,000	< 250	250	< 250	250	**3,600**	240	< 240	240	< 250	250	< 240	240	**380**	240	< 230	230	**190**	240	< 240	240	**1,300**	240	< 240	240	**210**	260	< 240	240	< 250	250	< 240	240
Phenol	330	100,000	< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240
Pyrene	100,000	100,000	< 250	250	< 250	250	**2,500**	240	< 240	240	< 250	250	< 240	240	**540**	240	< 230	230	**240**	240	< 240	240	**1,300**	240	< 240	240	**700**	260	< 240	240	< 250	250	< 240	240
Pyridine			< 250	250	< 250	250	< 240	240	< 240	240	< 250	250	< 240	240	< 240	240	< 230	230	< 240	240	< 240	240	< 240	240	< 240	240	< 260	260	< 240	240	< 250	250	< 240	240

Notes:

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

RL - Reporting Limit

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

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

Rheingold Properties
Block 3152 South
89-141 Melrose Street, Brooklyn, New York

TABLE 3B
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB9				SB10				SB11				SB12				SB13				SB14			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
1,2,4-Trichlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
1,2-Dichlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
1,2-Diphenylhydrazine			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
1,3-Dichlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
1,4-Dichlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,4,5-Trichlorophenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,4,6-Trichlorophenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,4-Dichlorophenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,4-Dimethylphenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,4-Dinitrophenol			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
2,4-Dinitrotoluene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2,6-Dinitrotoluene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2-Chloronaphthalene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2-Chlorophenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2-Methylnaphthalene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2-Methylphenol (o-cresol)	330	100,000	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
2-Nitroaniline			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
2-Nitrophenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
3&4-Methylphenol (m&p-cresol)			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
3,3'-Dichlorobenzidine			< 1500	1,500	< 710	710	< 720	720	< 720	720	< 710	710	< 680	680	< 720	720	< 700	700	< 720	720	< 710	710	< 3600	3,600	< 730	730
3-Nitroaniline			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
4,6-Dinitro-2-methylphenol			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
4-Bromophenyl phenyl ether			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
4-Chloro-3-methylphenol			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
4-Chloroaniline			< 1500	1,500	< 710	710	< 720	720	< 720	720	< 710	710	< 680	680	< 720	720	< 700	700	< 720	720	< 710	710	< 3600	3,600	< 730	730
4-Chlorophenyl phenyl ether			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
4-Nitroaniline			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
4-Nitrophenol			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
Acenaphthene	20,000	100,000	**320**	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**1,300**	1,300	< 250	250
Acenaphthylene	100,000	100,000	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Acetophenone			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Aniline			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
Anthracene	100,000	100,000	**780**	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**2,300**	1,300	< 250	250
Benz(a)anthracene	1,000	1,000	**2,600**	520	**140**	250	< 250	250	< 250	250	**280**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**5,900**	1,300	< 250	250
Benzidine			< 1500	1,500	< 710	710	< 720	720	< 720	720	< 710	710	< 680	680	< 720	720	< 700	700	< 720	720	< 710	710	< 3600	3,600	< 730	730
Benzo(a)pyrene	1,000	1,000	**2,300**	520	**120**	250	< 250	250	< 250	250	**350**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**4,000**	1,300	< 250	250
Benzo(b)fluoranthene	1,000	1,000	**3,700**	520	**170**	250	< 250	250	< 250	250	**570**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**6,100**	1,300	< 250	250
Benzo(ghi)perylene	100,000	100,000	**590**	520	< 250	250	< 250	250	< 250	250	**130**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**1,400**	1,300	< 250	250
Benzo(k)fluoranthene	800	3,900	**1,100**	520	< 250	250	< 250	250	< 250	250	**190**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**1,700**	1,300	< 250	250
Benzoic acid			< 3700	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
Benzyl butyl phthalate			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Bis(2-chloroethoxy)methane			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Bis(2-chloroethyl)ether			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Bis(2-chloroisopropyl)ether			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Bis(2-ethylhexyl)phthalate			< 520	520	< 250	250	< 250	250	< 250	250	**120**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Carbazole			**580**	3,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9100	9,100	< 1800	1,800
Chrysene	1,000	3,900	**2,500**	520	**140**	250	< 250	250	< 250	250	**380**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**4,800**	1,300	< 250	250
Dibenz(a,h)anthracene	330	330	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Dibenzofuran	7,000	59,000	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**630**	1,300	< 250	250
Diethyl phthalate			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Dimethylphthalate			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Di-n-butylphthalate			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Di-n-octylphthalate			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Fluoranthene	100,000	100,000	**4,800**	520	**350**	250	< 250	250	< 250	250	**560**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**12,000**	1,300	< 250	250
Fluorene	30,000	100,000	**370**	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**970**	1,300	< 250	250
Hexachlorobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Hexachlorobutadiene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Hexachlorocyclopentadiene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Hexachloroethane			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Indeno(1,2,3-cd)pyrene	500	500	**650**	520	< 250	250	< 250	250	< 250	250	**130**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**1,400**	1,300	< 250	250
Isophorone			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Naphthalene	12,000	100,000	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Nitrobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
N-Nitrosodimethylamine			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
N-Nitrosodi-n-propylamine			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
N-Nitrosodiphenylamine			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Pentachloronitrobenzene			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Pentachlorophenol	800	6,700	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Phenanthrene	100,000	100,000	**3,900**	520	**190**	250	< 250	250	< 250	250	**300**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**10,000**	1,300	< 250	250
Phenol	330	100,000	< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250
Pyrene	100,000	100,000	**3,800**	520	**320**	250	< 250	250	< 250	250	**550**	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	**9,400**	1,300	< 250	250
Pyridine			< 520	520	< 250	250	< 250	250	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 250	250	< 250	250	< 1300	1,300	< 250	250

COMPOUND	SB15				SB16				SB17				SB18				SB19				SB20			
	(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	2/28/2014		2/28/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
1,2,4-Trichlorobenzene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
1,2-Dichlorobenzene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
1,2-Diphenylhydrazine	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
1,3-Dichlorobenzene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
1,4-Dichlorobenzene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,4,5-Trichlorophenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,4,6-Trichlorophenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,4-Dichlorophenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,4-Dimethylphenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,4-Dinitrophenol	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
2,4-Dinitrotoluene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2,6-Dinitrotoluene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2-Chloronaphthalene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2-Chlorophenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2-Methylnaphthalene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	**520**	270	< 250	250	< 250	250	< 250	250	**4,200**	2,500	< 240	240
2-Methylphenol (o-cresol)	< 240	240	< 230	230	< 250	250	< 250	250	< 330(J)	330(J)	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
2-Nitroaniline	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
2-Nitrophenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
3&4-Methylphenol (m&p-cresol)	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
3,3'-Dichlorobenzidine	< 680	680	< 660	660	< 710	710	< 700	700	< 1400	1,400	< 690	690	< 760	760	< 720	720	< 710	710	< 700	700	< 7200	7,200	< 690	690
3-Nitroaniline	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
4,6-Dinitro-2-methylphenol	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
4-Bromophenyl phenyl ether	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
4-Chloro-3-methylphenol	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
4-Chloroaniline	< 680	680	< 660	660	< 710	710	< 700	700	< 1400	1,400	< 690	690	< 760	760	< 720	720	< 710	710	< 700	700	< 7200	7,200	< 690	690
4-Chlorophenyl phenyl ether	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
4-Nitroaniline	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
4-Nitrophenol	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
Acenaphthene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	**1,200**	270	< 250	250	< 250	250	< 250	250	**5,900**	2,500	< 240	240
Acenaphthylene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	**300**	270	< 250	250	< 250	250	< 250	250	**2,400**	2,500	< 240	240
Acetophenone	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	< 270	270	< 250	250	< 250	250	< 250	250	< 2500	2,500	< 240	240
Aniline	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 3500	3,500	< 1700	1,700	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 18000	18,000	< 1700	1,700
Anthracene	< 240	240	< 230	230	< 250	250	< 250	250	< 490	490	< 240	240	**3,500**	270	< 250	250	**240**	250	< 250	250	**11,000**	2,500	< 240	240
Benz(a)anthracene	**240**	240	< 230	230	**270**	250	< 250	250	**790**	490	< 240	240	**7,300**	270	< 250	250	**860**	250	< 250	250	**27,000**	2,500	< 240	240
Benzidine	< 680	680	< 660	660	< 710	710	< 700	700	< 1400	1,400	< 690	690	< 760	760	< 720	720	< 710	710	< 700	700	< 7200	7,200	< 690	690
Benzo(a)pyrene	**220**	240	< 230	230	**250**	250	< 250	250	**760**	490	< 240	240	**5,900**	270	< 250	250	**870**	250	< 250	250	**22,000**	2,500	< 240	240
Benzo(b)fluoranthene	**310**	240	< 230	230	**410**	250	< 250	250	**1,000**	490	< 240	240	**7,400**	270	< 250	250	**1,400**	250	< 250	250	**32,000**	2,500	< 240	240
Benzo(ghi)perylene	**130**	240	< 230	230	**120**	250	< 250

Rheingold Properties
Block 3152 North
36-70 Noll Street, Brooklyn, New York

TABLE 4A
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3				SB4				SB5				SB6				SB7				SB8			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014		2/26/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/28/2014		2/28/2014		2/28/2014		2/28/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/26/2014		2/26/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	< 2.6	2.6	< 2.6	2.6	< 2.4	2.4	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.6	2.6	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5	< 2.4	2.4
4,4' -DDE	3.3	8,900	< 2.6	2.6	< 2.6	2.6	< 2.4	2.4	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.6	2.6	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5	< 2.4	2.4
4,4' -DDT	3.3	7,900	< 2.6	2.6	< 2.6	2.6	< 2.4	2.4	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	**5.3**	2.5	< 2.4	2.4	< 2.6	2.6	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5	< 2.4	2.4
a-BHC	20	480	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Alachlor			< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	**15**	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Aldrin	5	97	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
b-BHC	36	360	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Chlordane	94	4,200	< 21	21	< 21	21	< 20	20	< 20	20	**110**	21	< 20	20	< 21	21	< 20	20	< 21	21	< 20	20	< 21	21	< 20	20	< 22	22	< 21	21	< 21	21	< 20	20
d-BHC	40	100,000	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Dieldrin	5	200	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 2.1	2.1	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Endosulfan I	2,400	24,000	< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Endosulfan II	2,400	24,000	< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Endosulfan sulfate	2,400	24,000	< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Endrin	14	11,000	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 2.1	2.1	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Endrin aldehyde			< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Endrin ketone			< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
g-BHC	100	280	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
g-Chlordane			< 3.6	3.6	< 3.6	3.6	< 3.4	3.4	< 3.4	3.4	**16**	3.5	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.3	3.3	< 3.6	3.6	< 3.4	3.4	< 3.5	3.5	< 3.4	3.4
Heptachlor	42	2,100	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 4.2	4.2	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Heptachlor epoxide			< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7
Methoxychlor			< 7.1	7.1	< 7.1	7.1	< 6.8	6.8	< 6.7	6.7	< 7.0	7	< 6.8	6.8	< 17	17	< 6.7	6.7	< 7.2	7.2	< 6.8	6.8	< 7.0	7	< 6.7	6.7	< 7.3	7.3	< 6.9	6.9	< 7.0	7	< 6.8	6.8
Toxaphene			< 180	180	< 180	180	< 170	170	< 170	170	< 180	180	< 170	170	< 170	170	< 170	170	< 180	180	< 170	170	< 170	170	< 170	170	< 180	180	< 170	170	< 180	180	< 170	170
PCB-1016	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1221	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1232	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1242	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1248	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1254	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1260	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1262	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34
PCB-1268	100	1,000	< 36	36	< 36	36	< 34	34	< 34	34	< 35	35	< 34	34	< 35	35	< 34	34	< 36	36	< 34	34	< 35	35	< 33	33	< 36	36	< 34	34	< 35	35	< 34	34

Notes:
* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Rheingold Properties
Block 3152 South
89-141 Melrose Street, Brooklyn, New York

TABLE 4B
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB9				SB10				SB11				SB12				SB13				SB14			
			(0-2')		(15-17')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/27/2014		1/16/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	< 26	26	< 2.7	2.7	< 2.6	2.6	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.7	2.7	< 2.5	2.5	< 2.6	2.6	< 2.6	2.6	< 13	13	< 2.6	2.6
4,4' -DDE	3.3	8,900	< 26	26	< 2.7	2.7	< 2.6	2.6	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.7	2.7	< 2.5	2.5	< 2.6	2.6	< 2.6	2.6	< 18	18	< 2.6	2.6
4,4' -DDT	3.3	7,900	< 26	26	< 2.7	2.7	< 2.6	2.6	< 2.6	2.6	< 7.2	7.2	< 2.5	2.5	< 2.7	2.7	< 2.5	2.5	< 2.6	2.6	< 2.6	2.6	< 13	13	< 2.6	2.6
a-BHC	20	480	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Alachlor			< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Aldrin	5	97	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
b-BHC	36	360	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Chlordane	94	4,200	< 220	220	< 22	22	< 22	22	< 22	22	< 22	22	< 21	21	< 22	22	< 21	21	< 22	22	< 21	21	< 110	110	< 22	22
d-BHC	40	100,000	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Dieldrin	5	200	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Endosulfan I	2,400	24,000	< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Endosulfan II	2,400	24,000	< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Endosulfan sulfate	2,400	24,000	< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Endrin	14	11,000	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Endrin aldehyde			< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Endrin ketone			< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
g-BHC	100	280	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
g-Chlordane			< 36	36	< 3.8	3.8	< 3.6	3.6	< 3.6	3.6	< 7.2	7.2	< 3.5	3.5	< 3.7	3.7	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.6	3.6
Heptachlor	42	2,100	< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Heptachlor epoxide			< 18	18	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.8	1.8
Methoxychlor			< 73	73	< 7.5	7.5	< 7.2	7.2	< 7.2	7.2	< 14	14	< 6.9	6.9	< 7.4	7.4	< 6.9	6.9	< 7.4	7.4	< 7.1	7.1	< 370	370	< 7.2	7.2
Toxaphene			< 1800	1,800	< 36	36	< 180	180	< 180	180	< 180	180	< 170	170	< 180	180	< 170	170	< 180	180	< 180	180	< 920	920	< 180	180
PCB-1016	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1221	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1232	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1242	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1248	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1254	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	**220**	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1260	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1262	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36
PCB-1268	100	1,000	< 36	36	< 38	38	< 36	36	< 36	36	< 36	36	< 35	35	< 37	37	< 35	35	< 37	37	< 36	36	< 37	37	< 36	36

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB15				SB16				SB17				SB18				SB19				SB20			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/28/2014		2/28/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	< 2.4	2.4	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 26	26	< 2.5	2.5	< 27	27	< 2.6	2.6	< 25	25	< 2.5	2.5	< 26	26	< 2.5	2.5
4,4' -DDE	3.3	8,900	< 2.4	2.4	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 26	26	< 2.5	2.5	< 27	27	< 2.6	2.6	< 25	25	< 2.5	2.5	< 72	72	< 2.5	2.5
4,4' -DDT	3.3	7,900	**4.9**	2.4	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 26	26	< 2.5	2.5	< 27	27	< 2.6	2.6	< 25	25	< 2.5	2.5	< 50	50	< 2.5	2.5
a-BHC	20	480	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Alachlor			< 3.4	3.4	< 3.4	3.4	< 3.6	3.6	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Aldrin	5	97	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
b-BHC	36	360	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Chlordane	94	4,200	< 20	20	< 20	20	< 22	22	< 21	21	< 210	210	< 21	21	< 220	220	< 21	21	< 210	210	< 21	21	< 210	210	< 21	21
d-BHC	40	100,000	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Dieldrin	5	200	< 3.4	3.4	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Endosulfan I	2,400	24,000	< 3.4	3.4	< 3.4	3.4	< 3.6	3.6	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Endosulfan II	2,400	24,000	< 3.4	3.4	< 3.4	3.4	< 5.1	5.1	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Endosulfan sulfate	2,400	24,000	< 3.4	3.4	< 3.4	3.4	< 3.6	3.6	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Endrin	14	11,000	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 25	25	< 1.7	1.7
Endrin aldehyde			< 3.4	3.4	< 3.4	3.4	< 3.6	3.6	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Endrin ketone			< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
g-BHC	100	280	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
g-Chlordane			< 3.4	3.4	< 3.4	3.4	< 3.6	3.6	< 3.6	3.6	< 36	36	< 3.4	3.4	< 37	37	< 3.6	3.6	< 35	35	< 3.5	3.5	< 36	36	< 3.5	3.5
Heptachlor	42	2,100	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Heptachlor epoxide			< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 18	18	< 1.7	1.7	< 19	19	< 1.8	1.8	< 17	17	< 1.7	1.7	< 18	18	< 1.7	1.7
Methoxychlor			< 6.8	6.8	< 6.7	6.7	< 11	11	< 7.1	7.1	< 71	71	< 6.9	6.9	< 220	220	< 7.1	7.1	< 69	69	< 6.9	6.9	< 72	72	< 7.0	7
Toxaphene			< 170	170	< 170	170	< 180	180	< 180	180	< 1800	1,800	< 170	170	< 1900	1,900	< 180	180	< 1700	1,700	< 170	170	< 1800	1,800	< 170	170
PCB-1016	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1221	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1232	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1242	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1248	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1254	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	**70**	36	< 34	34	< 37	37	< 36	36	**120**	35	< 35	35	< 36	36	< 35	35
PCB-1260	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1262	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35
PCB-1268	100	1,000	< 34	34	< 34	34	< 36	36	< 36	36	< 36	36	< 34	34	< 37	37	< 36	36	< 35	35	< 35	35	< 36	36	< 35	35

Notes:

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

RL - Reporting Limit

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

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

Rheingold Properties
Block 3152 North
36-70 Noll Street, Brooklyn, New York

TABLE 5A
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3				SB4			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014		2/26/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/28/2014		2/28/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			5,280	32	6,090	35	5,540	37	3,460	34	7,860	35	3,390	30	6,800	32	2,900	35
Antimony			< 1.6	1.6	< 1.7	1.7	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.5	1.5	< 1.6	1.6	< 1.8	1.8
Arsenic	13	16	3.3	0.6	1.4	0.7	< 0.7	0.7	0.8	0.7	1.7	0.7	0.9	0.6	2.7	0.6	1	0.7
Barium	350	400	40.7	0.6	40	0.7	44.9	0.7	30.7	0.7	93.5	0.7	35.6	0.6	80.1	0.6	24.5	0.7
Beryllium	7.2	72	0.33	0.26	0.38	0.28	0.31	0.29	0.38	0.27	0.57	0.28	0.25	0.24	0.49	0.26	0.23	0.28
Cadmium	2.5	4.3	0.26	0.32	0.31	0.35	< 0.37	0.37	0.36	0.34	0.77	0.35	0.3	0.3	0.43	0.32	0.17	0.35
Calcium			52,700	32	1,140	3.5	5,570	3.7	1,130	3.4	26,400	35	5,980	3	4,410	3.2	1,480	3.5
Chromium	30	180	10.8	0.32	19.6	0.35	14.8	0.37	12.4	0.34	18.1	0.35	11.1	0.3	16.6	0.32	8.24	0.35
Cobalt			4.89	0.32	6.1	0.35	4.05	0.37	3.7	0.34	7.1	0.35	3.53	0.3	7.18	0.32	3.06	0.35
Copper	50	270	20.4	0.32	15.9	0.35	15.4	0.37	14.4	0.34	24	0.35	11.1	0.3	25	0.32	10.4	0.35
Iron			15,100	32	21,000	35	10,100	37	27,100	34	38,400	35	17,300	30	28,800	32	11,500	35
Lead	63	400	26.7	0.6	14.2	0.7	26.6	0.7	5	0.7	51.9	0.7	2.9	0.6	43.6	0.6	2.5	0.7
Magnesium			10,900	32	2,820	3.5	4,520	3.7	1,700	3.4	5,510	35	3,390	3	2,430	3.2	1,750	3.5
Manganese	1,600	2,000	705	3.2	399	3.5	283	3.7	435	3.4	646	3.5	314	3	701	3.2	262	3.5
Mercury	0.18	0.81	0.06	0.07	< 0.07	0.07	< 0.07	0.07	< 0.06	0.06	0.52	0.06	< 0.07	0.07	0.58	0.07	< 0.07	0.07
Nickel	30	310	9.09	0.32	12	0.35	9.98	0.37	8.46	0.34	19.5	0.35	7.83	0.3	13.6	0.32	8.92	0.35
Potassium			1,170	6	1,850	7	1,100	7	817	7	3,430	7	772	6	1,290	6	536	7
Selenium	3.9	180	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.2	1.2	< 1.3	1.3	< 1.4	1.4
Silver	2	180	< 0.32	0.32	< 0.35	0.35	< 0.37	0.37	< 0.34	0.34	< 0.35	0.35	< 0.30	0.3	< 0.32	0.32	< 0.35	0.35
Sodium			357	6	205	7	201	7	133	7	253	7	188	6	317	6	179	71
Thallium			< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.2	1.2	< 1.3	1.3	< 1.4	1.4
Vanadium			20.6	0.3	32.5	0.3	17.4	0.4	21.5	0.3	31.1	0.4	19.7	0.3	38.1	0.3	12.4	0.4
Zinc	109	10,000	37.4	0.6	28.2	0.7	27.2	0.7	17.6	0.7	71.8	0.7	15.8	0.6	59.1	0.6	15.8	0.7

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB5				SB6				SB7				SB8			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/28/2014		2/28/2014		3/4/2014		3/4/2014		2/26/2014		2/26/2014		2/26/2014		2/26/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,540	35	2,710	31	7,340	34	3,530	33	5,480	36	3,210	32	7,530	38	3,300	34
Antimony			< 1.7	1.7	< 1.6	1.6	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.6	1.6	< 1.9	1.9	< 1.7	1.7
Arsenic	13	16	2.3	0.7	< 0.6	0.6	1.4	0.7	< 0.7	0.7	1.9	0.7	1.6	0.6	3.5	0.8	1.1	0.7
Barium	350	400	66.6	0.7	27.6	0.6	54.9	0.7	29.2	0.7	35.5	0.7	35	0.6	46.5	0.8	34.8	0.7
Beryllium	7.2	72	0.42	0.28	0.28	0.25	0.38	0.27	0.29	0.27	0.44	0.29	0.34	0.26	0.64	0.31	0.34	0.27
Cadmium	2.5	4.3	0.27	0.35	0.32	0.31	< 0.34	0.34	0.26	0.33	0.29	0.36	0.49	0.32	0.62	0.38	0.49	0.34
Calcium			6,730	3.5	883	3.1	2,010	3.4	1,330	3.3	3,060	3.6	1,180	3.2	1,800	3.8	1,230	3.4
Chromium	30	180	18.1	0.35	9.4	0.31	16.2	0.34	12.9	0.33	17.3	0.36	12.4	0.32	37.3	0.38	15.1	0.34
Cobalt			6.01	0.35	4.49	0.31	4.58	0.34	5.54	0.33	6.39	0.36	4.53	0.32	6.11	0.38	6.09	0.34
Copper	50	270	17.8	0.35	10.9	0.31	18.9	0.34	11.8	0.33	16	0.36	15.4	0.32	19.3	0.38	12.1	0.34
Iron			23,400	35	24,600	31	13,500	34	21,300	33	19,600	36	27,100	32	38,400	38	26,200	34
Lead	63	400	62.9	0.7	4.1	0.6	72.2	0.7	4.1	0.7	15.2	0.7	4.3	0.6	16.4	0.8	5.1	0.7
Magnesium			2,290	3.5	1,060	3.1	2,260	3.4	1,500	3.3	1,820	3.6	1,380	3.2	2,700	3.8	1,880	3.4
Manganese	1,600	2,000	446	3.5	529	3.1	314	3.4	552	3.3	345	3.6	618	3.2	563	3.8	532	3.4
Mercury	0.18	0.81	0.99	0.08	< 0.06	0.06	0.36	0.07	< 0.08	0.08	< 0.08	0.08	< 0.06	0.06	< 0.06	0.06	< 0.07	0.07
Nickel	30	310	12.7	0.35	6.74	0.31	11.3	0.34	7.47	0.33	10.7	0.36	6.92	0.32	14.9	0.38	15.3	0.34
Potassium			1,270	7	561	6	926	7	530	7	1,170	7	684	6	1,780	8	751	7
Selenium	3.9	180	< 1.4	1.4	< 1.2	1.2	< 1.3	1.3	< 1.3	1.3	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4
Silver	2	180	< 0.35	0.35	< 0.31	0.31	< 0.34	0.34	< 0.33	0.33	< 0.36	0.36	< 0.32	0.32	< 0.38	0.38	< 0.34	0.34
Sodium			194	7	109	6	211	7	221	7	120	7	131	6	146	8	180	7
Thallium			< 1.4	1.4	< 1.2	1.2	< 1.3	1.3	< 1.3	1.3	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4
Vanadium			27.7	0.3	20	0.3	22.5	0.3	24.3	0.3	26.6	0.4	24.7	0.3	77.2	0.4	31.1	0.3
Zinc	109	10,000	49.7	0.7	15.3	0.6	42.3	0.7	17.3	0.7	28.2	0.7	17.5	0.6	33.8	0.8	21	0.7

Notes:

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

RL - Reporting Limit

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

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

Rheingold Properties
Block 3152 South
89-141 Melrose Street, Brooklyn, New York

TABLE 5B
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB9				SB10				SB11				SB12				SB13				SB14			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			6,530	37	3,570	33	3,750	33	5,990	34	5,380	37	2,960	37	8,000	33	3,760	35	7,470	33	4,680	37	7,730	39	6,450	39
Antimony			< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.7	1.7	< 1.6	1.6	< 1.8	1.8	< 2.0	2	< 1.9	1.9
Arsenic	13	16	3.7	0.7	3.8	0.7	1.5	0.7	1.4	0.7	2.6	0.7	1.3	0.7	2	0.7	1.3	0.7	2.2	0.7	2.2	0.7	2.8	0.8	1.5	0.8
Barium	350	400	1,260	0.7	82.5	0.7	23.6	0.7	40.8	0.7	70	0.7	24.3	0.7	42.7	0.7	23.9	0.7	38.7	0.7	46.3	0.7	39	0.8	44.7	0.8
Beryllium	7.2	72	0.34	0.29	0.27	0.26	0.31	0.26	0.44	0.27	0.33	0.29	0.31	0.29	0.49	0.26	0.28	0.28	0.51	0.26	0.52	0.29	0.57	0.31	0.42	0.31
Cadmium	2.5	4.3	0.78	0.37	0.64	0.33	0.3	0.33	0.44	0.34	0.47	0.37	0.29	0.37	0.28	0.33	0.18	0.35	0.26	0.33	0.48	0.37	0.31	0.39	0.17	0.39
Calcium			13,200	37	6,630	3.3	852	3.3	1,230	3.4	1,340	3.7	757	3.7	2,060	3.3	1,220	3.5	1,180	3.3	1,370	3.7	921	3.9	776	3.9
Chromium	30	180	19	0.37	13.9	0.33	11.3	0.33	18.4	0.34	14.5	0.37	9.48	0.37	20.2	0.33	14.3	0.35	16.7	0.33	29.2	0.37	20	0.39	14.9	0.39
Cobalt			8.36	0.37	3.53	0.33	4.18	0.33	7.86	0.34	4.92	0.37	3.93	0.37	6.32	0.33	5.57	0.35	5.93	0.33	8.6	0.37	6.59	0.39	5.86	0.39
Copper	50	270	166	3.7	46.7	0.33	12.7	0.33	23.5	0.34	33.9	0.37	8.71	0.37	18	0.33	11.6	0.35	17.8	0.33	23.2	0.37	21	0.39	13.4	0.39
Iron			20,600	37	16,700	33	14,900	33	30,600	34	14,900	37	20,500	37	23,100	33	11,600	35	24,000	33	32,000	37	28,100	39	17,400	39
Lead	63	400	844	7.3	479	6.6	4.9	0.7	11.1	0.7	269	7.3	4.3	0.7	7.6	0.7	4.9	0.7	6.7	0.7	6.1	0.7	6.9	0.8	4.3	0.8
Magnesium			3,350	3.7	1,460	3.3	1,240	3.3	2,830	3.4	1,590	3.7	1,380	3.7	2,400	3.3	1,860	3.5	1,960	3.3	2,430	3.7	1,810	3.9	1,770	3.9
Manganese	1,600	2,000	324	3.7	277	3.3	371	3.3	663	3.4	368	3.7	395	3.7	359	3.3	354	3.5	436	3.3	788	3.7	455	3.9	489	3.9
Mercury	0.18	0.81	0.97	0.06	0.48	0.07	< 0.07	0.07	< 0.06	0.06	0.95	0.07	< 0.06	0.06	< 0.06	0.06	< 0.07	0.07	< 0.07	0.07	< 0.06	0.06	< 0.07	0.07	< 0.08	0.08
Nickel	30	310	13.8	0.37	8.57	0.33	7.74	0.33	12.8	0.34	11.1	0.37	8.87	0.37	13.5	0.33	24.7	0.35	10.1	0.33	14.9	0.37	16.9	0.39	12.6	0.39
Potassium			1,210	7	704	7	587	7	2,210	7	916	7	687	7	1,420	7	826	7	1,190	7	990	7	1,370	8	924	8
Selenium	3.9	180	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.3	1.3	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5
Silver	2	180	< 0.37	0.37	0.24	0.33	< 0.33	0.33	< 0.34	0.34	< 0.37	0.37	< 0.37	0.37	< 0.33	0.33	< 0.35	0.35	< 0.33	0.33	< 0.37	0.37	< 0.39	0.39	< 0.39	0.39
Sodium			391	7	110	7	57	7	127	7	282	7	76	7	79	7	90	7	133	7	239	7	101	8	116	8
Thallium			< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.3	1.3	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5
Vanadium			37.4	0.4	14.3	0.3	17.5	0.3	36.1	0.3	20.4	0.4	17.6	0.4	37.3	0.3	14.6	0.3	29.4	0.3	36.9	0.4	33	0.4	25.9	0.4
Zinc	109	10,000	325	7.3	239	6.6	35	0.7	90.2	0.7	142	0.7	21.3	0.7	33	0.7	17.7	0.7	26.6	0.7	29.9	0.7	29.4	0.8	22.2	0.8

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB15				SB16				SB17				SB18				SB19				SB20			
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/28/2014		2/28/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014		2/27/2014	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			4,950	35	2,610	34	6,130	38	4,100	34	7,300	38	2,920	33	10,100	35	8,270	35	6,940	34	6,460	36	7,360	35	7,720	37
Antimony			< 1.7	1.7	< 1.7	1.7	< 1.9	1.9	< 1.7	1.7	< 1.9	1.9	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8
Arsenic	13	16	3.8	0.7	1	0.7	2.7	0.8	0.9	0.7	3.5	0.8	0.7	0.7	8.3	0.7	3.2	0.7	2.7	0.7	1.9	0.7	3.1	0.7	1.8	0.7
Barium	350	400	50.6	0.7	23.5	0.7	72.5	0.8	24	0.7	54.7	0.8	27.3	0.7	179	0.7	63.7	0.7	50.4	0.7	50.4	0.7	74.3	0.7	59.3	0.7
Beryllium	7.2	72	0.38	0.28	0.2	0.28	0.41	0.3	0.29	0.27	0.35	0.3	0.34	0.27	0.52	0.28	0.61	0.28	0.36	0.28	0.58	0.29	0.4	0.28	0.61	0.3
Cadmium	2.5	4.3	0.3	0.35	< 0.34	0.34	0.31	0.38	0.16	0.34	0.26	0.38	0.46	0.33	0.87	0.35	0.27	0.35	0.21	0.34	0.55	0.36	0.37	0.35	0.48	0.37
Calcium			10,400	3.5	4,240	3.4	5,260	3.8	892	3.4	17,900	38	733	3.3	23,200	35	718	3.5	10,300	34	1,240	3.6	16,500	35	1,440	3.7
Chromium	30	180	11.6	0.35	6.93	0.34	14.9	0.38	11.4	0.34	16.3	0.38	9.43	0.33	16.6	0.35	19.7	0.35	15	0.34	18.4	0.36	18.9	0.35	20.1	0.37
Cobalt			7.38	0.35	3.56	0.34	5.59	0.38	3.64	0.34	6.74	0.38	3.72	0.33	6.21	0.35	7.44	0.35	4.91	0.34	8.2	0.36	5.46	0.35	7.4	0.37
Copper	50	270	20	0.35	7.82	0.34	19.1	0.38	8.46	0.34	50.5	0.38	9.55	0.33	92.7	0.35	19.8	0.35	28.9	0.34	20	0.36	37.3	0.35	20.7	0.37
Iron			19,400	35	7,520	3.4	19,000	38	13,100	34	19,100	38	32,800	33	23,600	35	23,600	35	14,700	34	40,900	36	17,000	35	37,900	37
Lead	63	400	50.5	0.7	2.3	0.7	161	7.5	3.8	0.7	57.9	0.8	4	0.7	208	6.9	6.6	0.7	55.4	0.7	7.4	0.7	84.5	0.7	6.5	0.7
Magnesium			2,910	3.5	3,870	3.4	1,790	3.8	1,640	3.4	6,420	38	1,130	3.3	2,200	3.5	2,090	3.5	3,040	3.4	2,220	3.6	5,710	35	2,720	3.7
Manganese	1,600	2,000	425	3.5	263	3.4	437	3.8	234	3.4	286	3.8	690	3.3	345	3.5	747	3.5	264	3.4	702	3.6	307	3.5	861	3.7
Mercury	0.18	0.81	0.73	0.06	< 0.08	0.08	0.18	0.07	< 0.07	0.07	0.61	0.07	< 0.06	0.06	1.09	0.08	< 0.07	0.07	0.52	0.06	< 0.06	0.06	0.51	0.07	< 0.07	0.07
Nickel	30	310	11.3	0.35	26.2	0.34	12.6	0.38	7.67	0.34	16.5	0.38	6.99	0.33	13.7	0.35	14.3	0.35	13.4	0.34	14	0.36	22	0.35	16	0.37
Potassium			1,200	7	809	7	994	8	865	7	1,280	8	546	7	838	7	1,670	7	1,210	7	1,570	7	1,350	7	1,770	7
Selenium	3.9	180	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5
Silver	2	180	< 0.35	0.35	< 0.34	0.34	< 0.38	0.38	< 0.34	0.34	< 0.38	0.38	< 0.33	0.33	< 0.35	0.35	< 0.35	0.35	< 0.34	0.34	< 0.36	0.36	< 0.35	0.35	< 0.37	0.37
Sodium			941	7	140	7	295	8	77	7	403	8	70	7	518	7	95	7	426	7	97	7	446	7	218	7
Thallium			< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5
Vanadium			26.2	0.3	10.6	0.3	30.1	0.4	15.2	0.3	40.2	0.4	22.4	0.3	27.5	0.3	34.4	0.3	30.1	0.3	50.3	0.4	37.3	0.4	33.6	0.4
Zinc	109	10,000	54.4	0.7	12.5	0.7	67.8	0.8	28.5	0.7	55.9	0.8	17.7	0.7	1,160	6.9	30.3	0.7	50.6	0.7	40.7	0.7	98.9	0.7	34.4	0.7

Notes:

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

RL - Reporting Limit

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

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

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

TABLE 6
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	BLOCK 3152 North				BLOCK 3152 SOUTH					
		MW1		MW2		MW7		MW8		MW9	
		3/27/2014		3/27/2014		3/27/2014		4/25/2014		3/27/2014	
		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	**0.3**	5	**0.55**	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1,2,2-Tetrachloroethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 0.6	0.6	< 0.6	0.6	< 0.6	0.6	< 2.0	2	< 0.6	0.6
1,2-Dichloropropane	0.94	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	5	< 3	3	< 3	3	< 3	3	< 5.0	5	< 3	3
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Acetone		**3.4**	5	< 5.0	5	< 5.0	5	**1.1**	5	< 5.0	5
Acrolein		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acrylonitrile	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzene	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromoform		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bromomethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon Disulfide	60	**0.35**	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon tetrachloride	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroethane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Chloroform	7	< 5.0	5	**1**	5	**2.3**	5	**3.1**	5	**3.3**	5
Chloromethane	60	< 5.0	5	**0.54**	5	< 5.0	5	< 5.0	5	< 5.0	5
cis-1,2-Dichloroethene	5	< 1.0	1	**0.24**	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dibromomethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.5	0.5	< 0.5	0.5	< 0.5	0.5	< 1.0	1	< 0.5	0.5
Isopropylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylenes	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl t-butyl ether (MTBE)	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	5	< 3.0	3	< 3.0	3	< 3.0	3	< 3.0	3	< 3.0	3
Naphthalene	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	**0.36**	1	**1.6**	1	**0.68**	1	**4.3**	1	**0.83**	1
Tetrahydrofuran (THF)		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Toluene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichloroethene	5	**1**	1	**2.2**	1	**0.56**	1	**3.4**	1	**0.25**	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl Chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1

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

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

TABLE 7
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	BLOCK 3152 North				BLOCK 3152 SOUTH					
		MW1		MW2		MW7		MW8		MW9	
		3/27/2014		3/27/2014		3/27/2014		4/25/2014		3/27/2014	
		µg/L		µg/L		µg/L		µg/L		µg/L	
	µg/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		< 1.5	1.5	< 1.5	1.5	< 1.5	1.5	< 0.50	0.5	< 1.5	1.5
Acenaphthylene		< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Benzo(a)anthracene	0.002	**0.02**	0.02	**0.04**	0.02	**0.04**	0.02	**0.03**	0.02	**0.03**	0.02
Benzo(a)pyrene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(g,h,i)perylene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(k)fluoranthene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Bis(2-ethylhexyl)phthalate	5	< 1.6	1.6	< 1.6	1.6	< 1.6	1.6	< 1.0	1	< 1.6	1.6
Chrysene	0.002	< 0.02	0.02	**0.03**	0.02	**0.03**	0.02	< 0.02	0.02	< 0.02	0.02
Dibenzo(a,h)anthracene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachloroethane	5	< 2.4	2.4	< 2.4	2.4	< 2.4	2.4	< 0.40	0.4	< 2.4	2.4
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.50	0.5	< 0.02	0.02
Pentachloronitrobenzene		< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.02	0.02	< 0.10	0.1
Pentachlorophenol		< 0.80	0.8	< 0.80	0.8	< 0.80	0.8	< 0.10	0.1	< 0.80	0.8
Phenanthrene	50	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
1,2,4-Trichlorobenzene		< 5.0	5	< 5.0	5	< 5.0	5	< 0.80	0.8	< 5.0	5
1,2-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 0.10	0.1	< 3	3
1,2-Diphenylhdrazine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,3-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 1.0	1	< 3	3
1,4-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 5.0	5	< 3	3
2,4,5-Trichlorophenol	3	< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2,4,6-Trichlorophenol	3	< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2,4-Dichlorophenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2,4-Dimethylphenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2,4-Dinitrophenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2,4-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 5.0	5
2,6-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 5.0	5
2-Chloronaphthalene	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Chlorophenol		< 1	1	< 1	1	< 1	1	< 5.0	5	< 1	1
2-Methylnaphthalene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Methylphenol (o-cresol)		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
2-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 5.0	5	< 5	5
2-Nitrophenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
3&4-Methylphenol (m&p-cresol)		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
3,3'-Dichlorobenzidine	5	< 5	5	< 5	5	< 5	5	< 1.0	1	< 5	5
3-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 1.0	1	< 5	5
4,6-Dinitro-2-methylphenol		< 1	1	< 1	1	< 1	1	< 5.0	5	< 1	1
4-Bromophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Chloro-3-methylphenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
4-Chloroaniline	5	< 5	5	< 5	5	< 5	5	< 5.0	5	< 5	5
4-Chlorophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 5.0	5
4-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 3.5	3.5	< 5	5
4-Nitrophenol		< 1	1	< 1	1	< 1	1	< 5.0	5	< 1	1
Acenaphthene	20	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetophenone		< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 5.0	5
Aniline		< 5	5	< 5	5	< 5	5	< 5.0	5	< 5	5
Anthracene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzidine	5	< 5	5	< 5	5	< 5	5	< 3.5	3.5	< 5	5
Benzoic Acid		< 25	25	< 25	25	< 25	25	< 5.0	5	< 25	25
Benzyl Butyl phthalate		< 5.0	5	< 5.0	5	< 5.0	5	< 4.5	4.5	< 5.0	5
Bis(2-chloroethoxy)methane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Bis(2-chloroethyl)ether	1	< 1	1	< 1	1	< 1	1	< 5.0	5	< 1	1
Bis(2-chloroisopropyl)ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbazole		< 25	25	< 25	25	< 25	25	< 1.0	1	< 25	25
Dibenzofuran		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Diethylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Dimethylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Di-n-butylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Di-n-octylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Fluoranthene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Fluorene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Hexachlorobutadiene	0.5	< 0.5	0.5	< 0.5	0.5	< 0.5	0.5	< 5.0	5	< 0.5	0.5
Hexachlorocyclopentadiene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Isophorone	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Naphthalene	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Nitrobenzene	0.4	< 0.4	0.4	< 0.4	0.4	< 0.4	0.4	< 5.0	5	< 0.4	0.4
N-Nitrosodimethylamine		< 5.0	5	< 5.0	5	< 5.0	5	< 1.0	1	< 5.0	5
N-Nitrosodi-n-propylamine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
N-Nitrosodiphenylamine	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Phenol		< 1	1	< 1	1	< 1	1	< 1.0	1	< 1	1
Pyrene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Pyridine		< 10	10	< 10	10	< 10	10	< 10	10	< 10	10

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

TABLE 8
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	BLOCK 3152 North				BLOCK 3152 SOUTH					
		MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW7 3/27/2014 µg/L		MW8 4/25/2014 µg/L		MW9 3/27/2014 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PCB-1016	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1221	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1232	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1242	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1248	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1254	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1260	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1262	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1268	**0.09**	< 0.083	0.083	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
4,4-DDD	**0.3**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
4,4-DDE	**0.2**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
4,4-DDT	**0.11**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
a-BHC	**0.94**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
a-Chlordane		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Alachlor		< 0.086	0.086	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075
Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
b-BHC	**0.04**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Chlordane	**0.05**	< 0.034	0.034	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03
d-BHC	**0.04**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Dieldrin	**0.004**	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Endosulfan I		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan II		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan Sulfate		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin		< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
Endrin aldehyde	**5**	< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin ketone		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
gamma-BHC	**0.05**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
g-Chlordane		< 0.011	0.011	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Heptachlor	**0.04**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
Heptachlor epoxide	**0.03**	< 0.006	0.006	< 0.005	0.005	< 0.005	0.005	< 0.010	0.01	< 0.005	0.005
Methoxychlor	**35**	< 0.11	0.11	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Toxaphene		< 0.23	0.23	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.25	0.25

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

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

Table 9
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards	BLOCK 3152 North				BLOCK 3152 South			
		MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW7 3/27/2014 µg/L		MW9 3/27/2014 µg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	**NS**	**40.3**	0.1	**20**	0.01	**13.5**	0.01	**48.9**	0.1
Antimony	**0.003**	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	**0.025**	**0.012**	0.004	**0.005**	0.004	**0.012**	0.004	**0.009**	0.004
Barium	**1**	**1.08**	0.01	**0.58**	0.01	**0.237**	0.01	**0.699**	0.01
Beryllium	**0.003**	**0.004**	0.001	**0.002**	0.001	< 0.001	0.001	**0.003**	0.001
Cadmium	**0.005**	**0.004**	0.004	**0.001**	0.004	**0.001**	0.004	**0.003**	0.004
Calcium	**NS**	**91.8**	0.01	**60.6**	0.01	**61**	0.01	**79.2**	0.01
Chromium	**0.05**	**0.264**	0.001	**0.163**	0.001	**0.058**	0.001	**0.139**	0.001
Cobalt	**NS**	**0.121**	0.005	**0.073**	0.005	**0.023**	0.005	**0.075**	0.005
Copper	**0.2**	**0.226**	0.005	**0.123**	0.005	**0.048**	0.005	**0.133**	0.005
Iron	**0.5**	**85**	0.01	**42.6**	0.01	**28.2**	0.01	**94.5**	0.01
Lead	**0.025**	**0.066**	0.002	**0.049**	0.002	**0.019**	0.002	**0.05**	0.002
Magnesium	**35**	**45.3**	0.01	**29.7**	0.01	**29.6**	0.01	**46.5**	0.01
Manganese	**0.3**	**9.92**	0.05	**5.35**	0.05	**3.21**	0.05	**7.38**	0.05
Mercury	**0.0007**	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	**0.1**	**0.2**	0.004	**0.103**	0.004	**0.059**	0.004	**0.128**	0.004
Potassium	**NS**	**10.3**	0.1	6.5	0.1	**5.6**	0.1	**12.3**	0.1
Selenium	**0.01**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Silver	**0.05**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	**2**	**50.6**	0.1	**72.5**	1	**59.5**	1	**58.2**	1
Thallium	**0.0005**	< 0.0005	0.0005	< 0.0005	0.0005	**0.0008**	0.0005	**0.0005**	0.0005
Vanadium	**NS**	0.066	0.01	**0.031**	0.01	**0.022**	0.01	**0.075**	0.01
Zinc	**2**	0.264	0.01	**0.202**	0.01	**0.101**	0.01	**0.224**	0.01

Notes:
NS - No Standard
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

Table 10
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW8 4/25/2014 µg/L Result	RL
Aluminum	NS	**0.1**	0.01
Antimony	0.003	< 0.003	0.003
Arsenic	0.025	< 0.003	0.003
Barium	1	**0.099**	0.011
Beryllium	0.003	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004
Calcium	NS	**113**	0.01
Chromium	0.05	**0.014**	0.001
Cobalt	NS	< 0.005	0.005
Copper	0.2	**0.001**	0.005
Iron	0.5	**0.18**	0.01
Lead	0.025	< 0.002	0.002
Magnesium	35	**41.1**	0.01
Manganese	0.3	**0.551**	0.005
Mercury	0.0007	< 0.0004	0.0004
Nickel	0.1	**0.003**	0.004
Potassium	NS	**3.8**	0.1
Selenium	0.01	< 0.004	0.004
Silver	0.05	< 0.005	0.005
Sodium	2	**69**	1.1
Thallium	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.011	0.011
Zinc	2	**0.004**	0.011

Notes:
NS - No Standard
RL - Reporting Limit
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Rheingold Properties
Block 3152 North and South
36-70 Noll Street
89-141 Melrose Street, Brooklyn, New York

TABLE 11
Soil Gas
Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value	NYSDOH Soil Outdoor Background Levels	Block 3152 NORTH										Block 3152 South															
			SG-3 (µg/m3)		SG-4 (µg/m3)		SG-5 (µg/m3)		SG-7 (µg/m3)		SG-8 (µg/m3)		SG-9 (µg/m3)		SG-10 (µg/m3)		SG-11 (µg/m3)		SG-12 (µg/m3)		SG-13 (µg/m3)		SG-14 (µg/m3)		SG-15 (µg/m3)		SG-16 (µg/m3)	
			4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014	
	(µg/m³) (a)	(µg/m³) (b)	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	1.42	1	9.43	1	3.38	1	3.54	1	17.9	1	2.84	1	< 1.00	1	34.7	1	5.94	1	< 1.00	1	11.4	1	2.67	1	5.51	1
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	5.26	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene		<1.0	4.42	1	6.93	1	6.58	1	9.19	1	7.42	1	14.1	1	11.2	1	12.2	1	12	1	5.7	1	10.9	1	6.53	1	6.68	1
1,2-Dibromoethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloroethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloropropane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorotetrafluoroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene		<1.0	1.38	1	2.26	1	2.11	1	2.85	1	2.46	1	4.47	1	3.64	1	3.73	1	3.64	1	1.92	1	3.59	1	2.11	1	2.21	1
1,3-Butadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene		<2.0	1.08	1	1.14	1	1.74	1	< 1.00	1	< 1.00	1	2.04	1	1.92	1	2.7	1	2.82	1	< 1.00	1	2.7	1	< 1.00	1	1.44	1
1,4-Dichlorobenzene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dioxane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
2-Hexanone			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	12.6	1	25	1	19	1	22.3	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Ethyltoluene		NA	< 1.00	1	1.18	1	1.23	1	1.72	1	1.42	1	2.41	1	2.31	1	2.21	1	2.31	1	1.18	1	1.92	1	1.33	1	1.38	1
4-Isopropyltoluene			< 1.00	1	< 1.00	1	< 1.00	1	1.21	1	1.04	1	1.97	1	1.32	1	1.48	1	1.54	1	< 1.00	1	1.54	1	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone			< 1.00	1	1.27	1	< 1.00	1	1.19	1	1.35	1	2.09	1	1.06	1	< 1.00	1	< 1.00	1	< 1.00	1	1.35	1	1.02	1	1.06	1
Acetone		NA	20.2	1	12.6	1	4.63	1	20.9	1	103	1	674	1	404	1	290	1	1,250	1	23.7	1	206	1	252	1	11.1	1
Acrylonitrile			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene		<1.6 - 4.7	< 1.00	1	< 1.00	1	< 1.00	1	1.12	1	< 1.00	1	< 1.00	1	2.04	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzyl Chloride		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	2.02	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromoform		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromomethane		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Disulfide		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	3.27	1	7.44	1	1.52	1	1.21	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Tetrachloride	5	<3.1	0.314	0.25	0.503	0.25	0.251	0.25	1.26	0.25	11.6	0.25	0.314	0.25	0.314	0.25	0.377	0.25	< 0.25	0.25	0.314	0.25	0.377	0.25	0.251	0.25	0.566	0.25
Chlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroethane		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroform		<2.4	< 1.00	1	16.6	1	< 1.00	1	4	1	5.56	1	1.71	1	< 1.00	1	1.17	1	< 1.00	1	< 1.00	1	1.02	1	< 1.00	1	2.29	1
Chloromethane		<1.0 - 1.4	< 1.00	1	< 1.00	1	< 1.00	1	1.67	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,2-Dichloroethene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,3-Dichloropropene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane		NA	< 1.00	1	15.7	1	4.4	1	< 1.00	1	< 1.00	1	< 1.00	1	1.55	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	26.6	1
Dibromochloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluromethane		NA	5.83	1	6.23	1	7.12	1	30.1	1	18.6	1	2.47	1	5.98	1	2.32	1	2.03	1	2.08	1	2.47	1	2.52	1	1.98	1
Ethanol			21.5	1	39.4	1	20	1	110	1	74.2	1	97.2	1	29	1	30.5	1	190	1	15.8	1	51.6	1	39.4	1	45.8	1
Ethyl Acetate		NA	< 1.00	1	1.37	1	< 1.00	1	2.74	1	1.84	1	2.81	1	< 1.00	1	1.4	1	< 1.00	1	< 1.00	1	1.62	1	1.66	1	1.12	1
Ethylbenzene		<4.3	1.13	1	1.48	1	1.43	1	2.04	1	1.82	1	3.95	1	10.2	1	2.47	1	3.38	1	1.39	1	2.39	1	2.34	1	1.43	1
Heptane		NA	1.06	1	4.18	1	2.17	1	1.47	1	1.96	1	10.8	1	8.48	1	3.32	1	11.4	1	< 1.00	1	2.46	1	4.67	1	2.09	1
Hexachlorobutadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane		<1.5	3.59	1	3.38	1	< 1.00	1	30.5	1	2.4	1	5.95	1	7.78	1	2.46	1	6.3	1	< 1.00	1	4.09	1	12.2	1	2.29	1
Isopropylalcohol		NA	5.43	1	17.7	1	4.52	1	44	1	27.5	1	98	1	27	1	27	1	300	1	7.62	1	24.1	1	24.3	1	25	1
Isopropylbenzene			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Xylene (m&p)		<4.3	3.56	1	4.9	1	4.69	1	6.99	1	5.9	1	12.3	1	35.3	1	8.98	1	11	1	4.51	1	8.38	1	7.51	1	4.77	1
Methyl Ethyl Ketone			2.5	1	1.77	1	< 1.00	1	3.89	1	16.6	1	195	1	91.1	1	77.2	1	214	1	2	1	36	1	41.3	1	1.89	1
MTBE		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride		<3.4	4.65	1	3.3	1	< 1.00	1	21.2	1	2.5	1	< 1.00	1	1.39	1	1.53	1	1.49	1	< 1.00	1	4.51	1	2.67	1	3.64	1
n-Butylbenzene			< 1.00	1	1.37	1	1.32	1	1.59	1	< 1.00	1	2.52	1	1.92	1	2.36	1	2.19	1	1.04	1	2.08	1	1.21	1	1.37	1
Xylene (o)		<4.3	1.43	1	1.86	1	1.78	1	2.69	1	2.21	1	4.73	1	11.3	1	3.78	1	4.6	1	1.6	1	3.12	1	2.65	1	1.78	1
Propylene		NA	< 1.00	1	4.11	1	< 1.00	1	2.05	1	12.9	1	51.1	1	85	1	26.8	1	68.6	1	< 1.00	1	10	1	7.58	1	2.12	1
sec-Butylbenzene			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.1	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Styrene		<1.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Tetrachloroethene	100		0.813	0.25	1.22	0.25	1.29	0.25	0.474	0.25	0.542	0.25	3.18	0.25	1.69	0.25	2.64	0.25	11.8	0.25	0.474	0.25	422	0.25	2.51	0.25	1.29	0.25
Tetrahydrofuran		NA	< 1.00	1	< 1.00	1	< 1.00	1	1.06	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene		1.0 - 6.1	4.52	1	25.1	1	20.8	1	7.34	1	8.1	1	13.7	1	28	1	6.82	1	9.87	1	5.31	1	7.23	1	10.2	1	17.6	1
trans-1,2-Dichloroethene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Trichloroethene	5	<1.7	< 0.25	0.25	3.28	0.25	< 0.25	0.25	< 0.25	0.25	1.5	0.25	4.3	0.25	0.967	0.25	3.22	0.25	12.7	0.25	< 0.25	0.25	11.1	0.25	1.18	0.25	4.14	0.25
Trichlorofluoromethane		NA	2.02	1	23.2	1	3.7	1	2.47	1	2.81	1	13.6	1	49	1	9.88	1	11.3	1	1.12	1	2.53	1	3.65	1	23.6	1
Trichlorotrifluoroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	3.14	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Vinyl Chloride		<1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
BTEX			10.64		33.34		28.7		20.18		18.03		34.68		86.84		22.05		28.85		12.81		21.12		22.7		25.58	

Notes:
NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

FIGURES

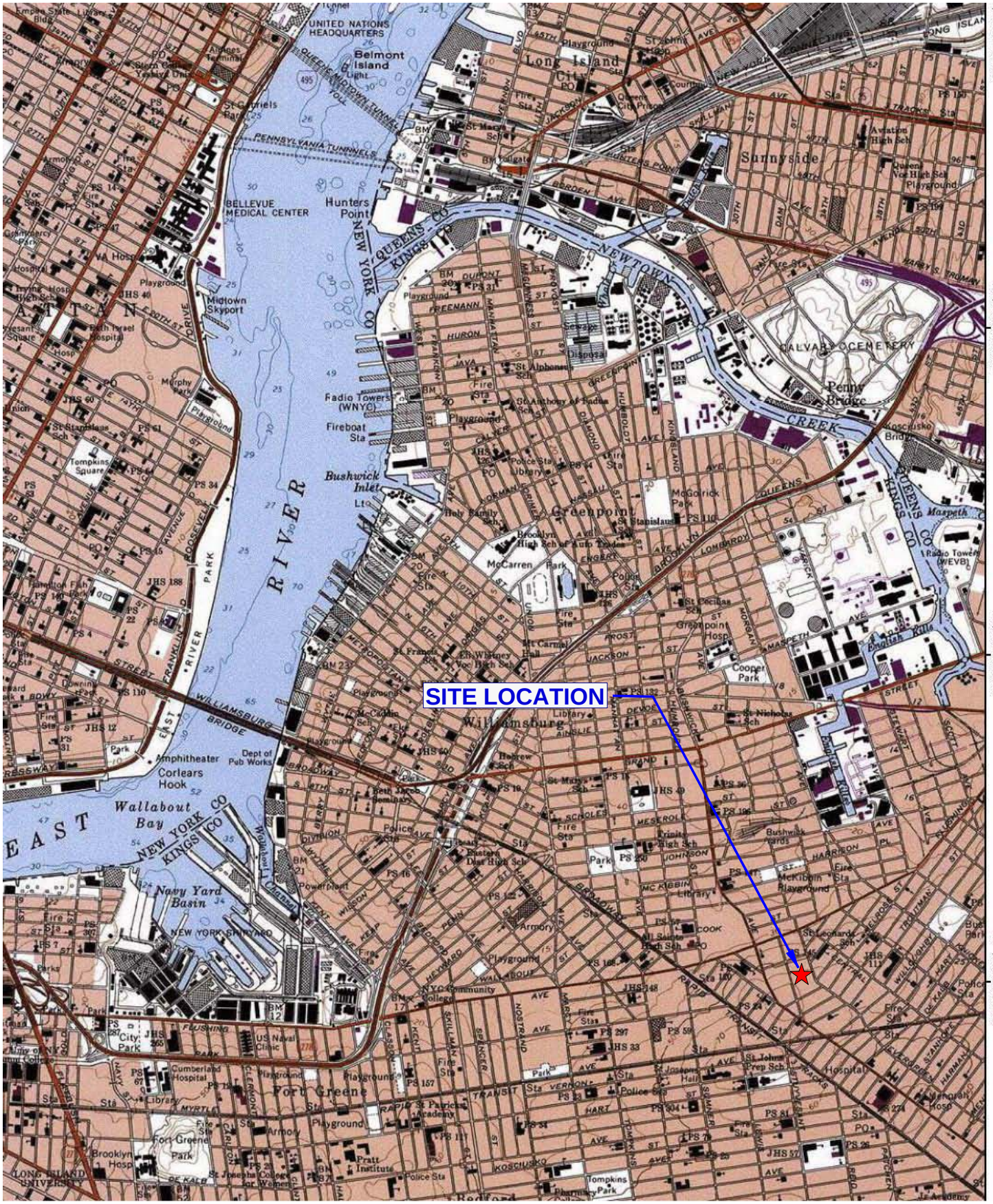

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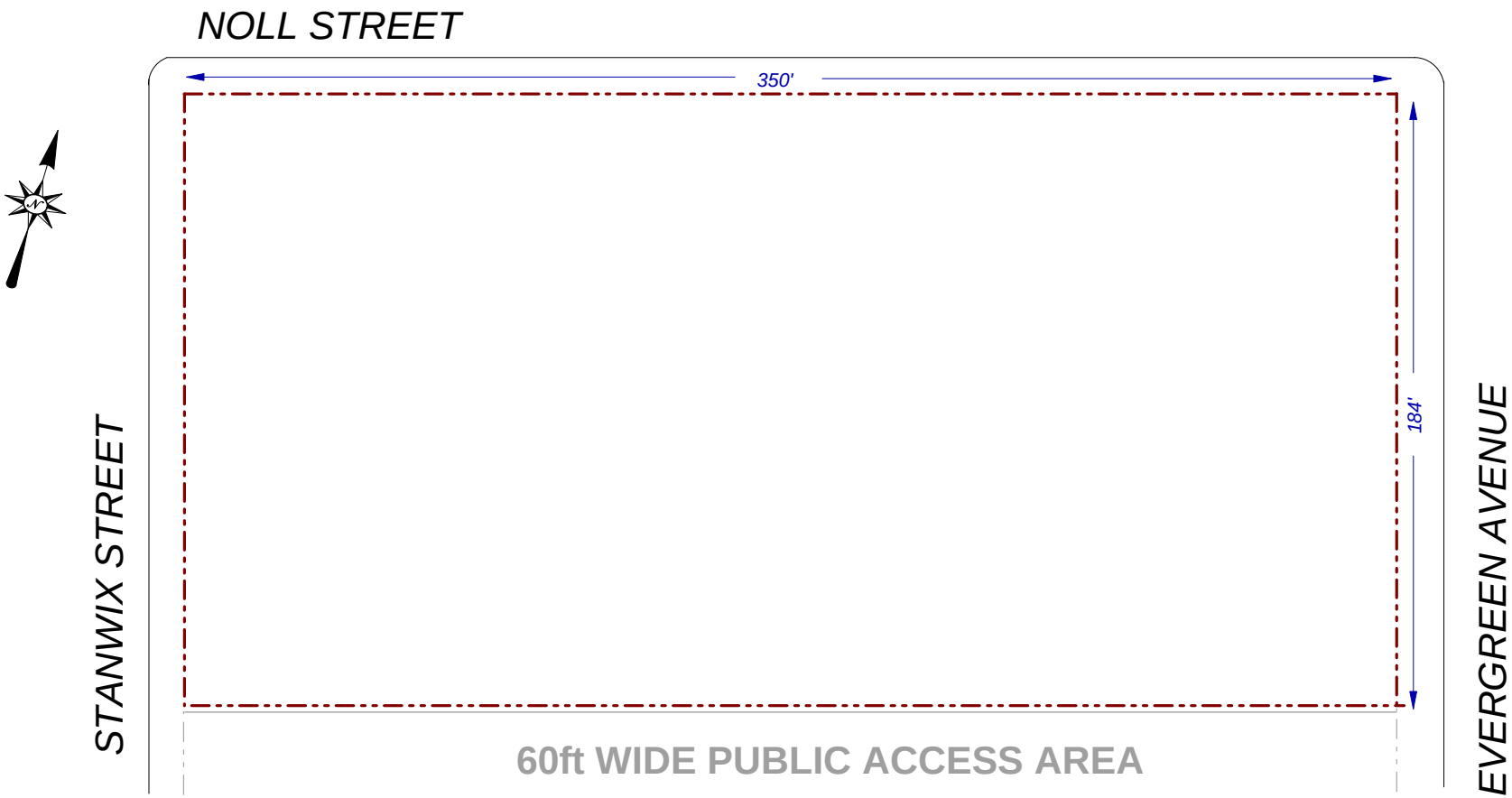
Figure No. 1

Site Name:	Former Rheingold Property
Site Address:	Block 3152 - Brooklyn, NY
Drawing Title:	Site Location Map



BLOCK 3152 N

SCALE:

0 25 50 75

1 Inch = 50 Feet

KEY

Site Boundary

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Figure 2A - Block 3152N

Site Boundary Map

36-70 Noll Street, 76-92 Evergreen Avenue
Brooklyn, NY 11206

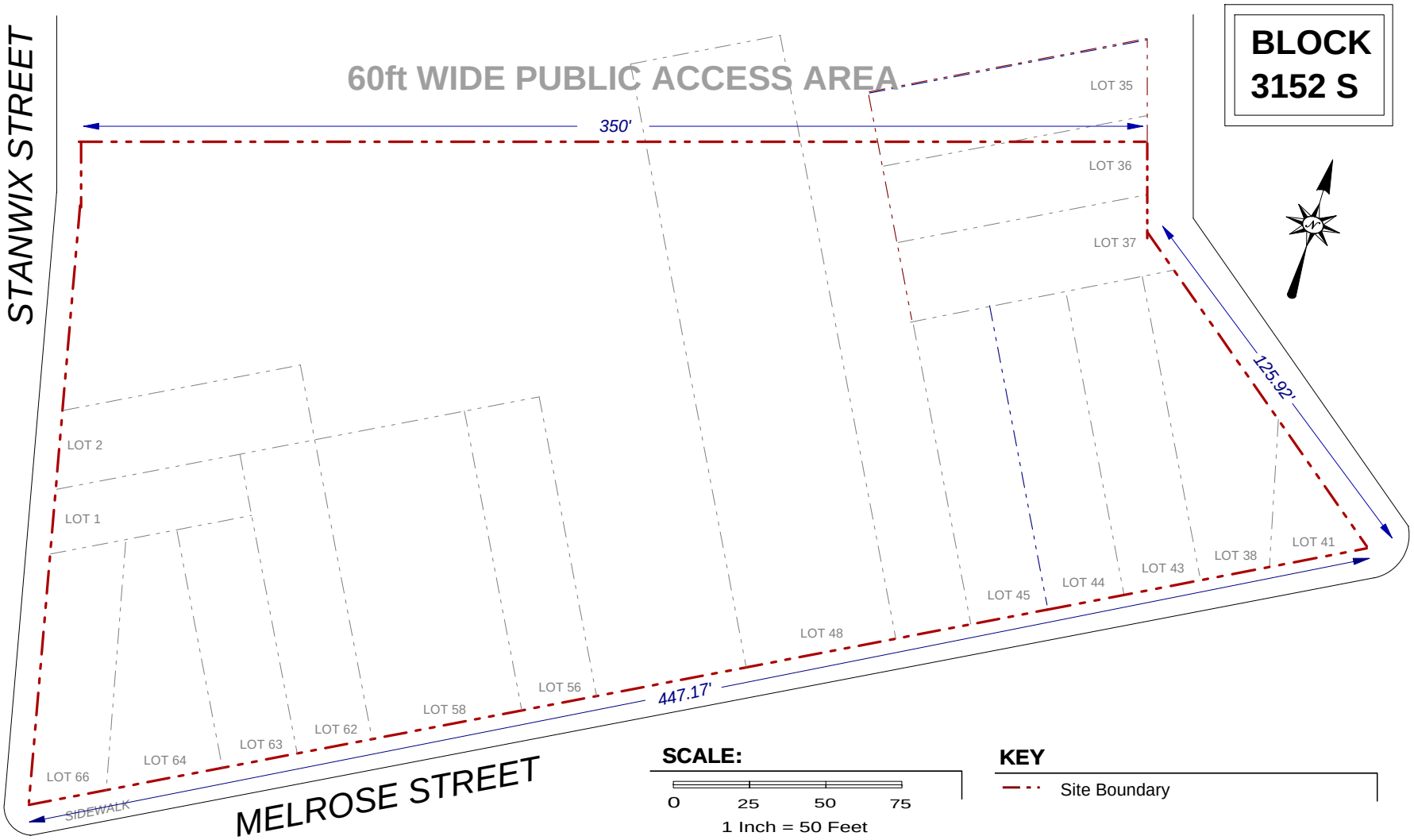

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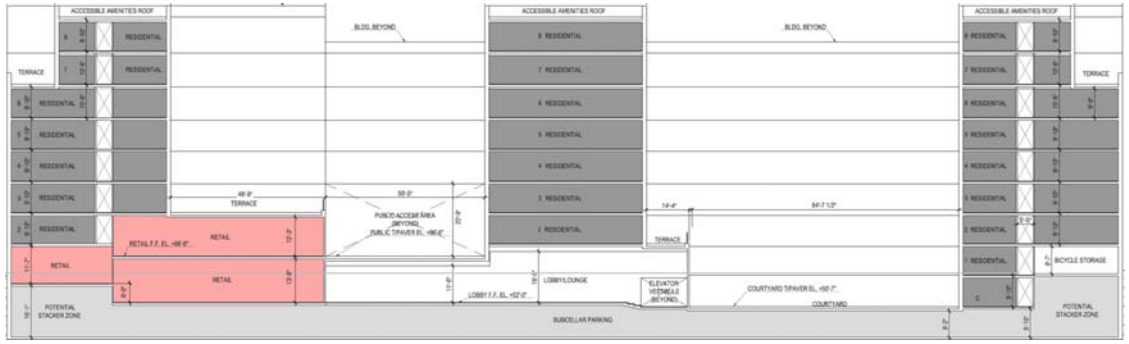
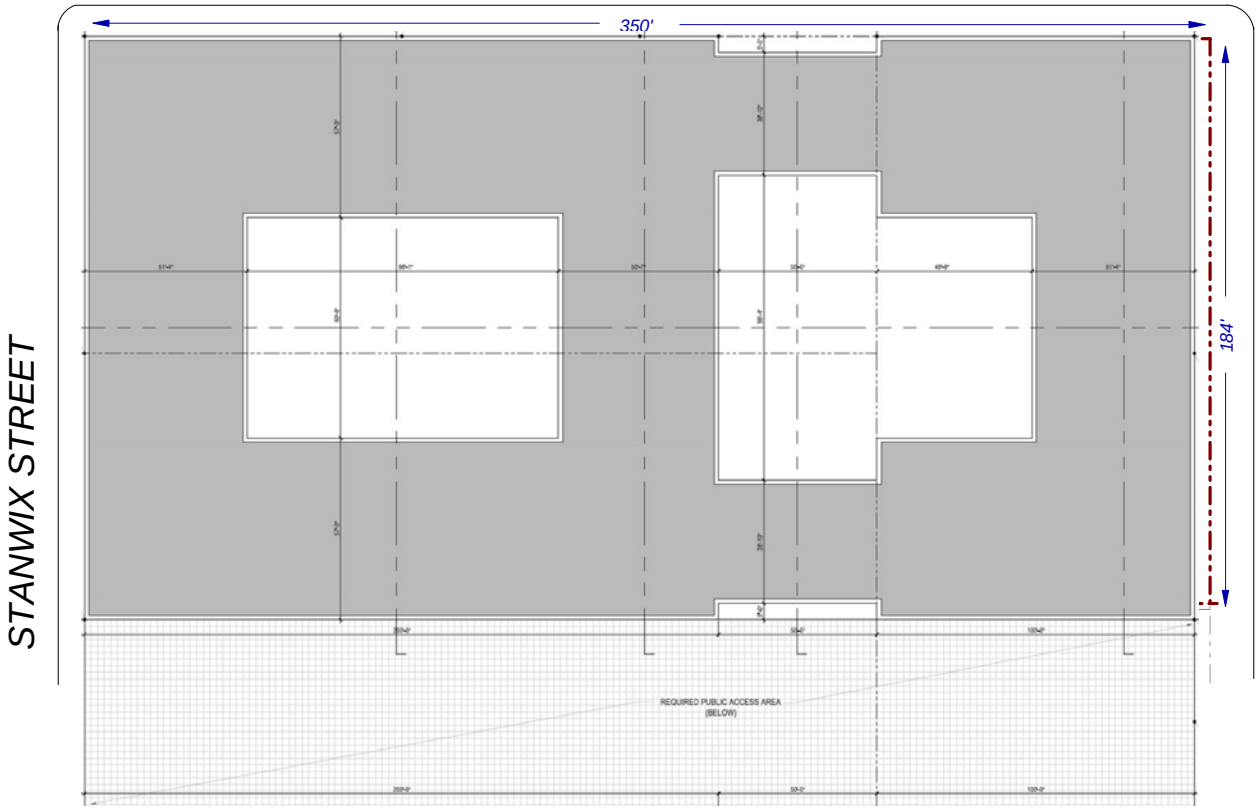
Figure 2B - Block 3152S

Site Boundary Map

89-133 Melrose Street & 22-36 Stanwix Street
Brooklyn, NY 11206



BLOCK 3152 N



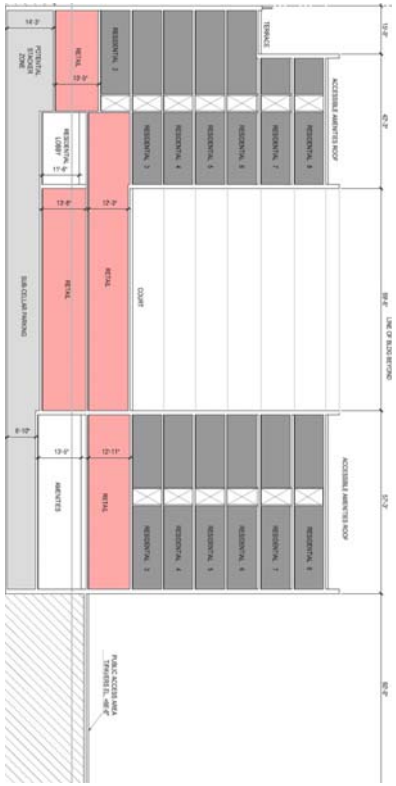


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FIGURE 3A - BLOCK 3152N

REDEVELOPMENT PLAN

36-70 NOLL STREET, 76-92 EVERGREEN AVENUE
BROOKLYN, NY 11206

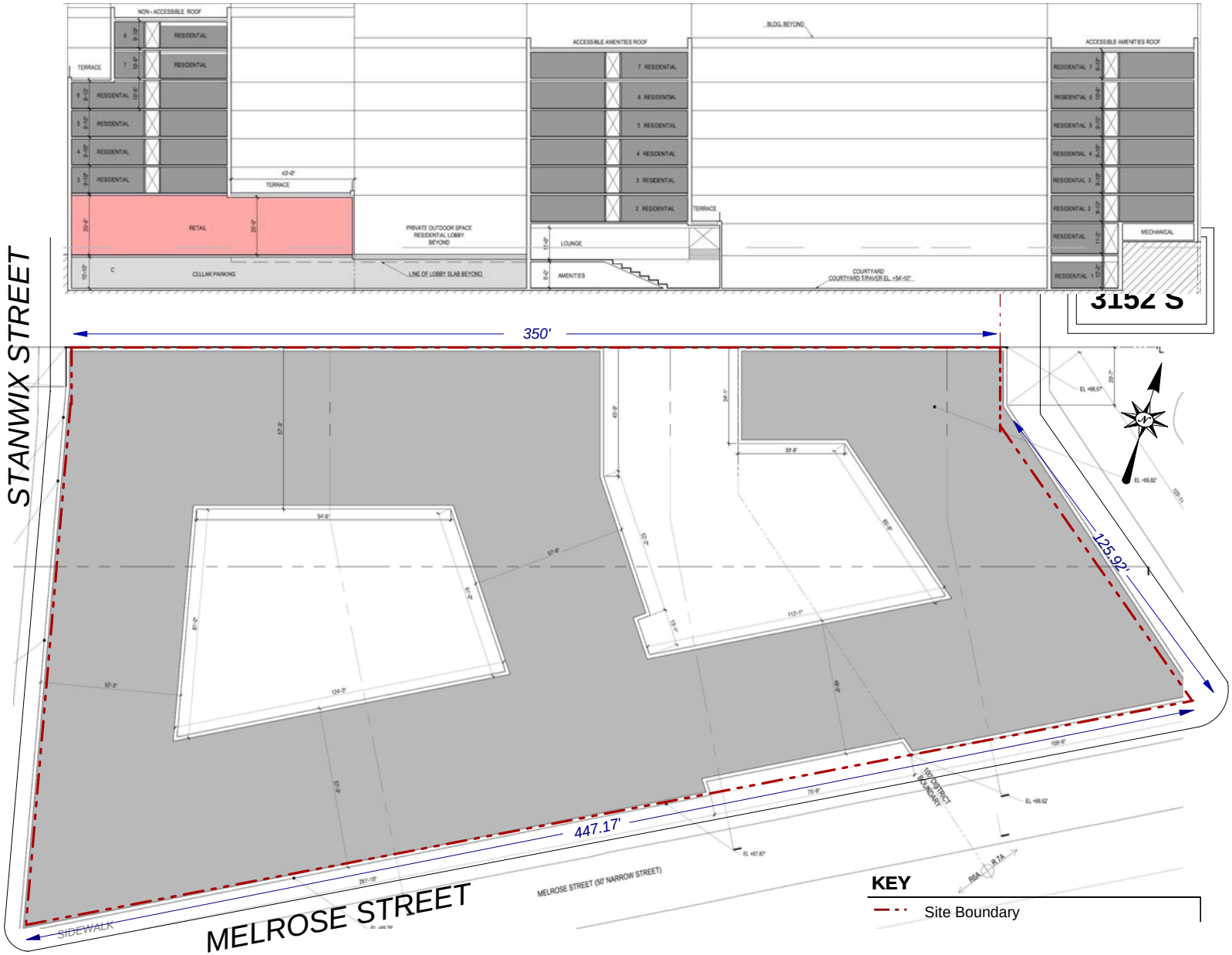

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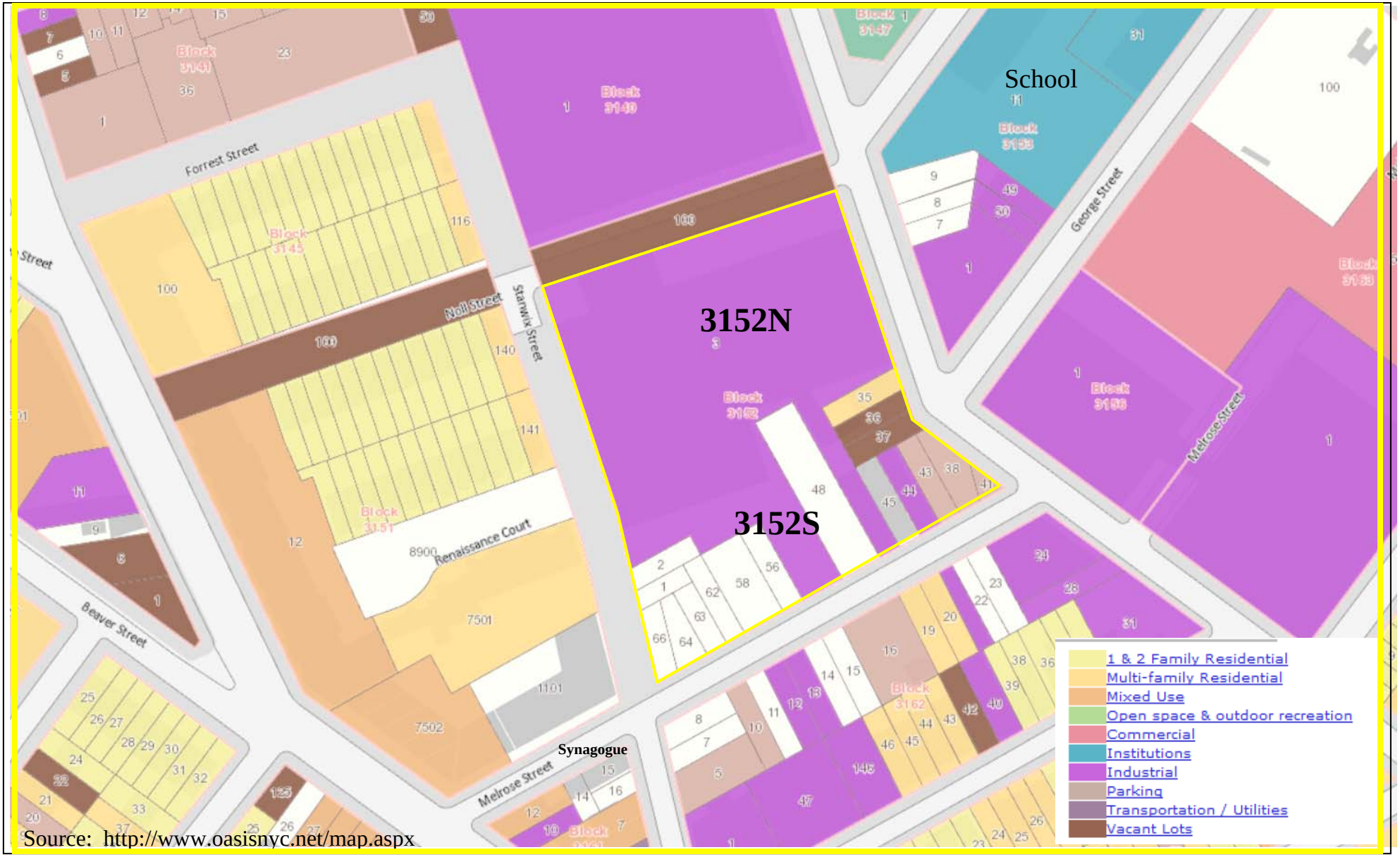
Figure 3B - Block 3152S

Redevelopment Plan

89-133 Melrose Street & 22-36 Stanwix Street
Brooklyn, NY 11206



Source: http://www.oasisnyc.net/map.aspx

FIGURE 4
SURROUNDING LAND USE MAP

Block 3152
BROOKLYN, NY 11206

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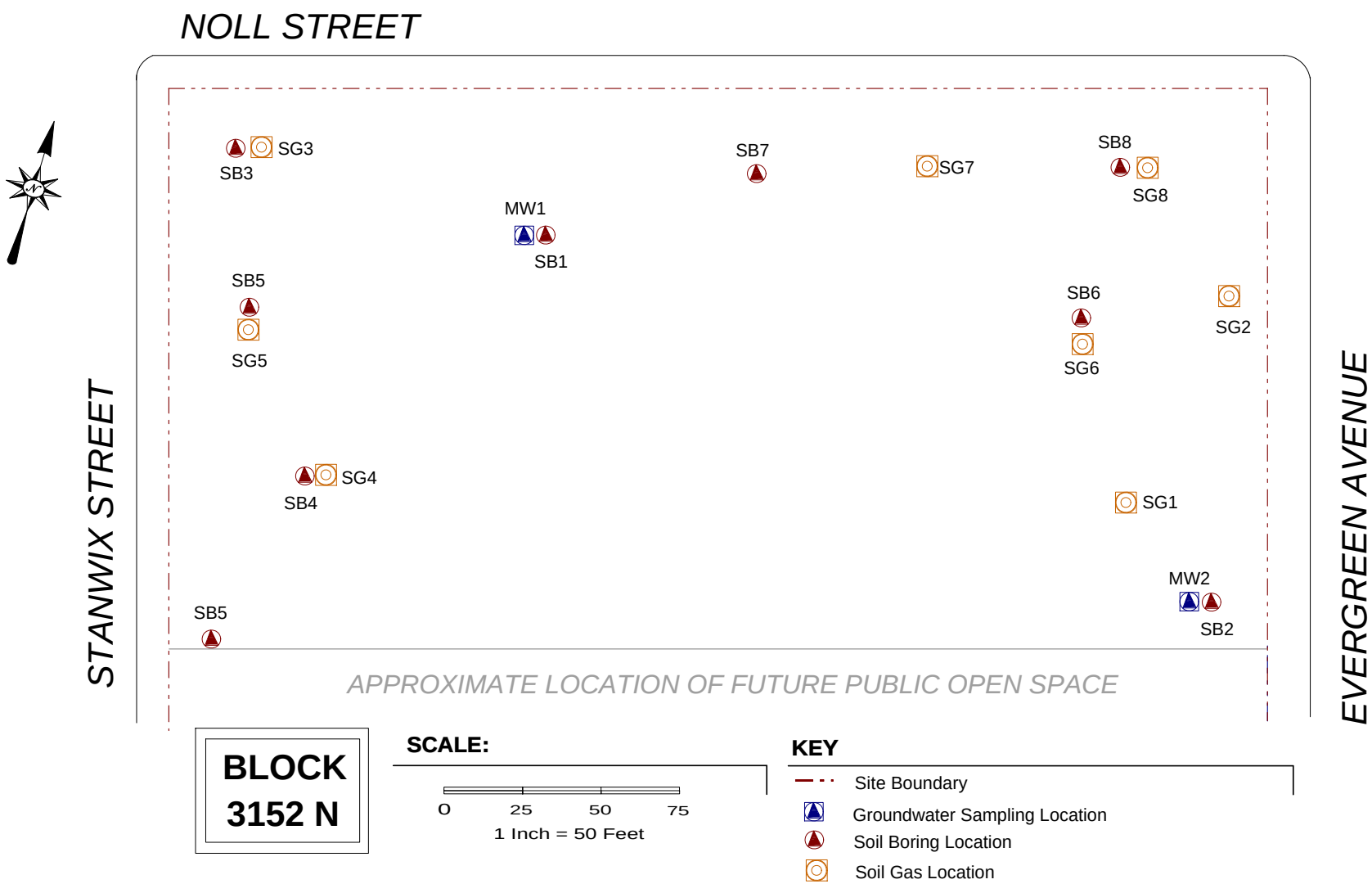

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Figure 5A - Block 3152N

Site Sampling Locations

36-70 Noll Street, 76-92 Evergreen Avenue
Brooklyn, NY 11206

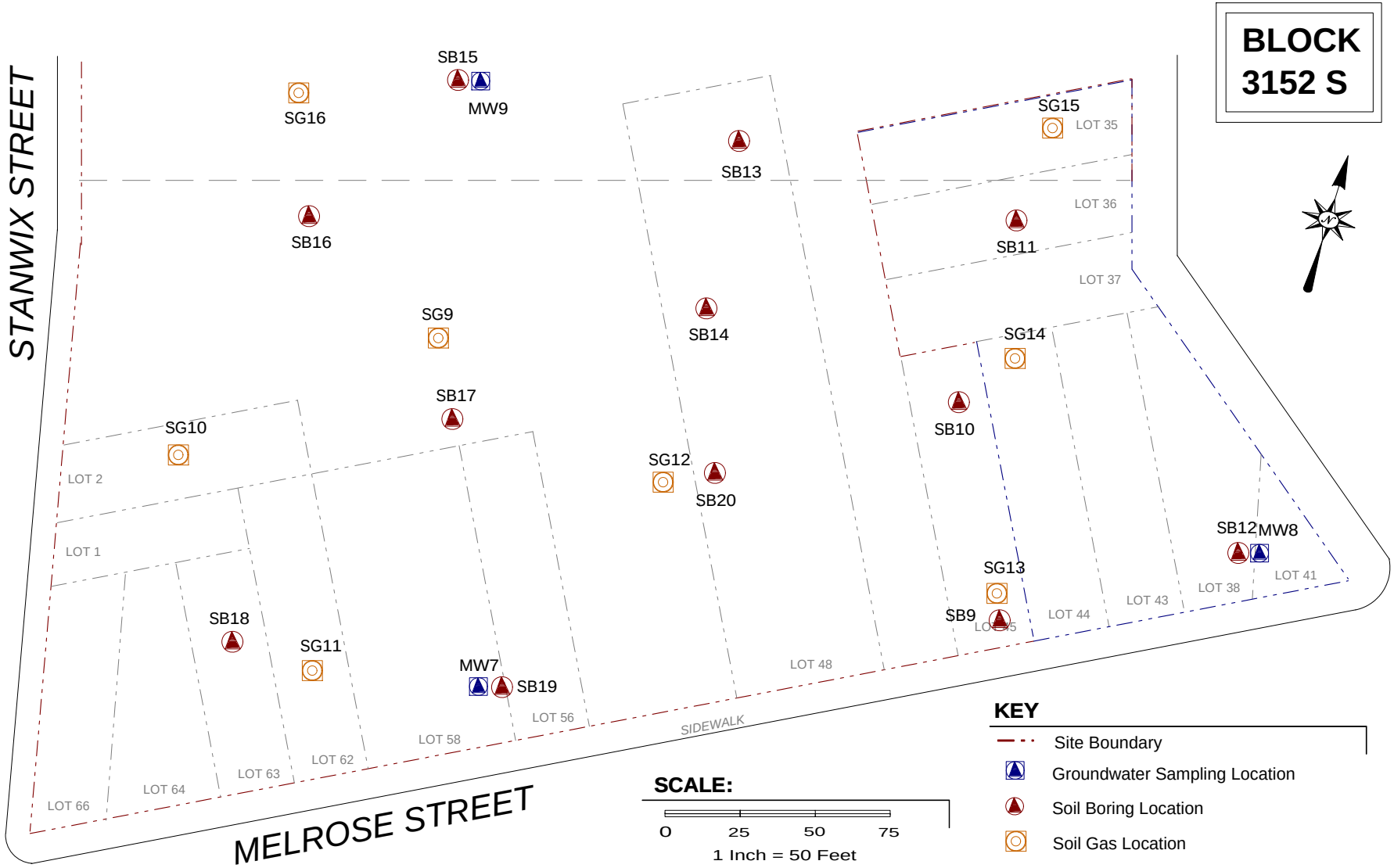

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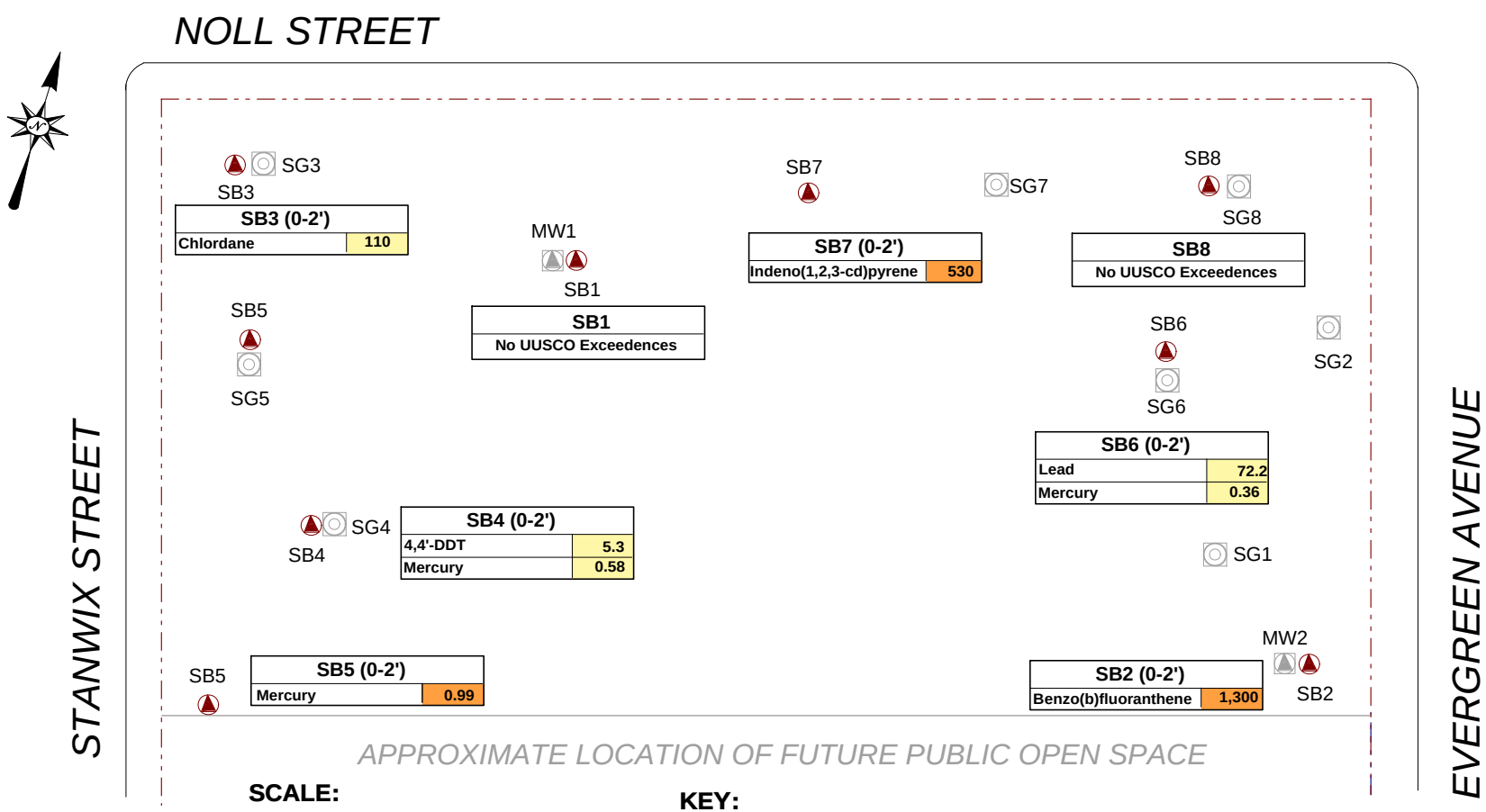
Figure 5B - Block 3152S

Site Sampling Locations

89-133 Melrose Street & 22-36 Stanwix Street
Brooklyn, NY 11206



SCALE:

0 25 50 75

1 Inch = 50 Feet

KEY:

- Site Boundary
- Groundwater Sampling Location
- Soil Gas Location
- Soil Boring Location
- Exceedence of Restricted Residential SCO
- Exceedence of Unrestricted Use SCO

VOCs/SVOCs/Pesticides	ppb
Metals	ppm

BLOCK 3152 N

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Figure 6A - Block 3152N

Soil Exceedences Map

36-70 Noll Street, 76-92 Evergreen Avenue
Brooklyn, NY 11206

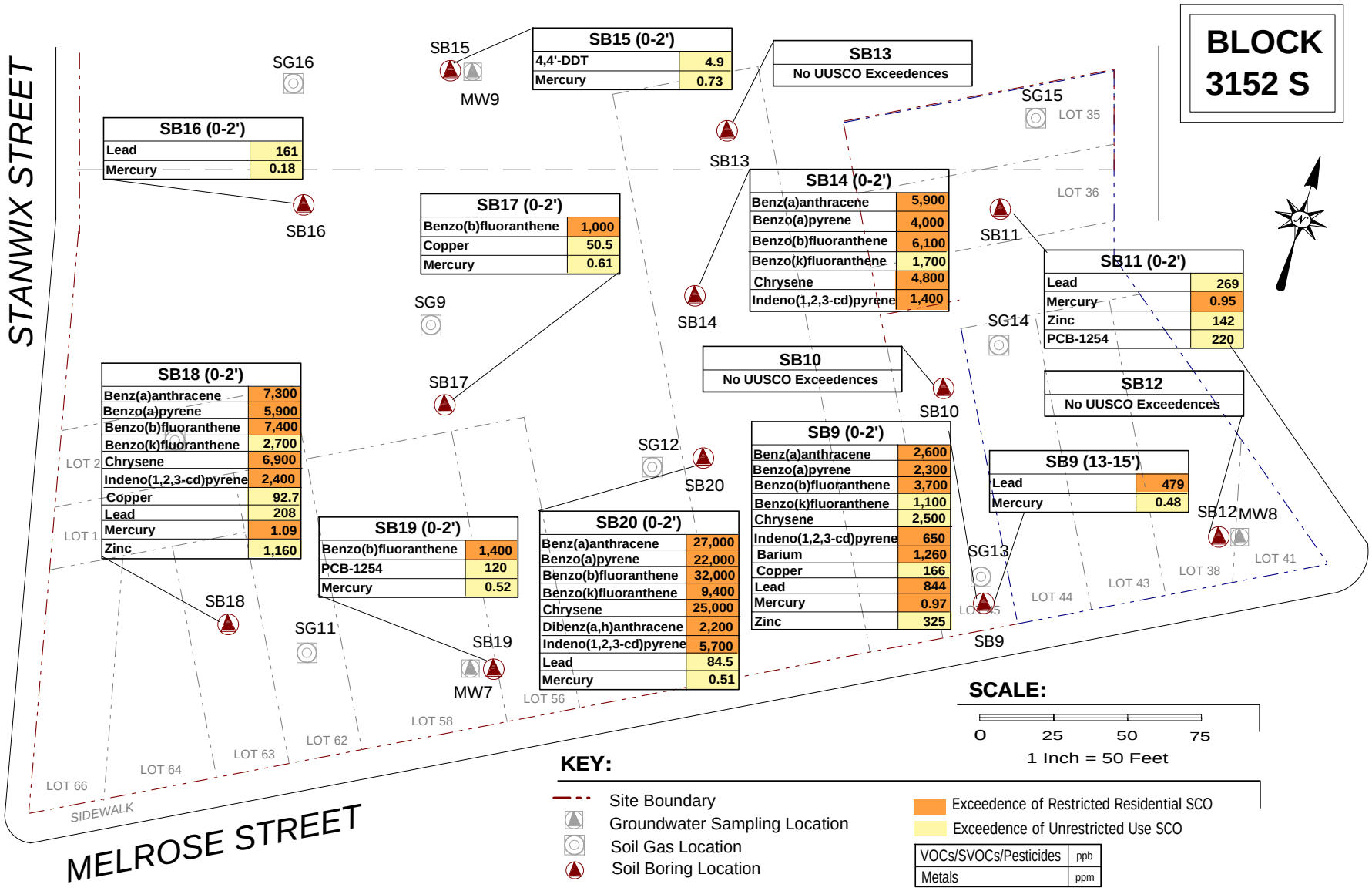

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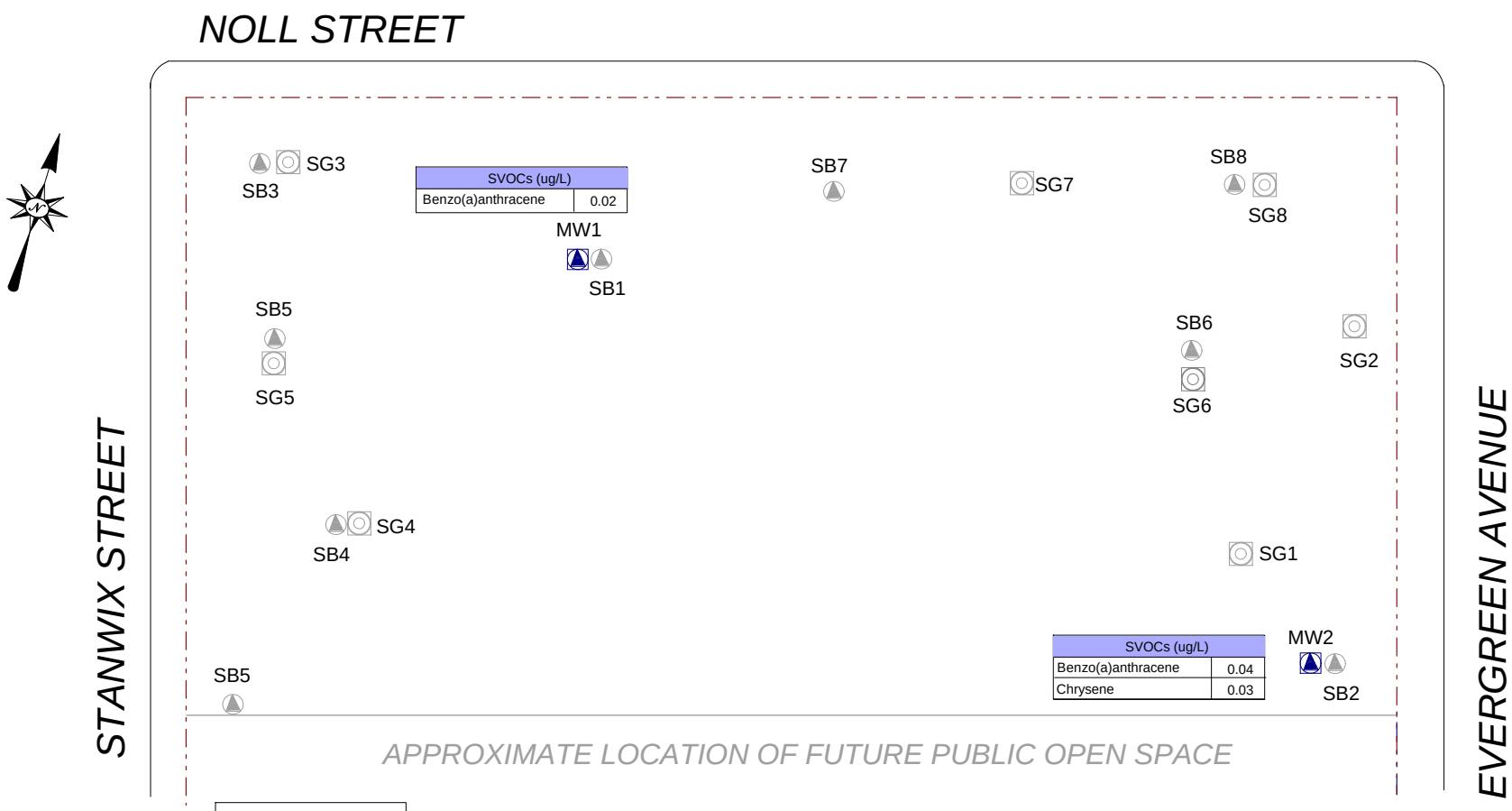
Figure 6B - Block 3152S

Soil Exceedences Map

89-133 Melrose Street & 22-36 Stanwix Street
Brooklyn, NY 11206



BLOCK 3152 N

SCALE:

0 25 50 75

1 Inch = 50 Feet

KEY

- Site Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

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Figure 7A - Block 3152N

Groundwater Exceedences Map

36-70 Noll Street, 76-92 Evergreen Avenue
Brooklyn, NY 11206

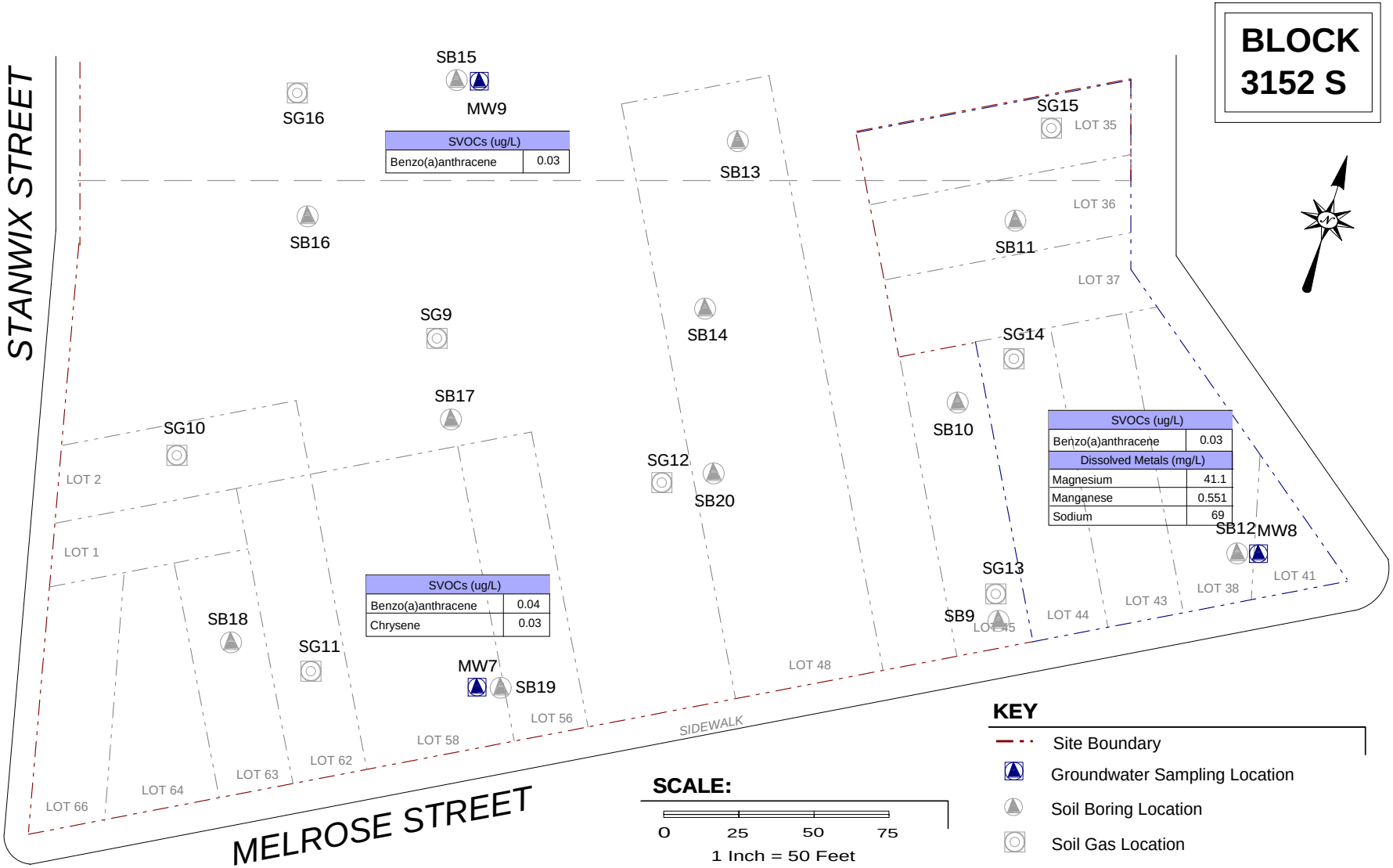

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Figure 7B - Block 3152S

Groundwater Exceedences Map

89-133 Melrose Street & 22-36 Stanwix Street
Brooklyn, NY 11206

SG3

1,1,1-Trichloroethane	**1.42**
1,2,4-Trimethylbenzene	**4.42**
1,3,5-Trimethylbenzene	**1.38**
1,3-Dichlorobenzene	**1.08**
Acetone	**20.2**
Carbon Tetrachloride	**0.314**
Dichlorodifluromethane	**5.83**
Ethanol	**21.5**
Ethylbenzene	**1.13**
Heptane	**1.06**
Hexane	**3.59**
Isopropylalcohol	**5.43**
Xylene (m&p)	**3.56**
Methyl Ethyl Ketone	2.5
Methylene Chloride	4.65
Xylene (o)	1.43
Tetrachloroethene	0.813
Toluene	4.52
Trichlorofluoromethane	2.02

SG5

1,1,1-Trichloroethane	**3.38**
1,2,4-Trimethylbenzene	**6.58**
1,3,5-Trimethylbenzene	**2.11**
1,3-Dichlorobenzene	**1.74**
4-Ethyltoluene	**1.23**
Acetone	**4.63**
Carbon Tetrachloride	**0.251**
Cyclohexane	**4.4**
Dichlorodifluromethane	**7.12**
Ethanol	**20**
Ethylbenzene	**1.43**
Heptane	**2.17**
Isopropylalcohol	**4.52**
Xylene (m&p)	**4.69**
n-Butylbenzene	1.32
Xylene (o)	1.78
Tetrachloroethene	1.29
Toluene	20.8
Trichlorofluoromethane	3.7

SG4

1,1,1-Trichloroethane	**9.43**
1,2,4-Trimethylbenzene	**6.93**
1,3,5-Trimethylbenzene	**2.26**
1,3-Dichlorobenzene	**1.14**
4-Ethyltoluene	**1.18**
4-Methyl-2-pentanone	**1.27**
Acetone	**12.6**
Carbon Tetrachloride	**0.503**
Chloroform	**16.6**
Cyclohexane	**15.7**
Dichlorodifluromethane	**6.23**
Ethanol	**39.4**
Ethyl Acetate	1.37
Ethylbenzene	1.48
Heptane	4.18
Hexane	3.38
Isopropylalcohol	17.7
Xylene (m&p)	4.9
Methyl Ethyl Ketone	1.77
Methylene Chloride	3.3
n-Butylbenzene	1.37
Xylene (o)	1.86
Propylene	4.11
Tetrachloroethene	1.22
Toluene	25.1
Trichloroethene	3.28
Trichlorofluoromethane	23.2

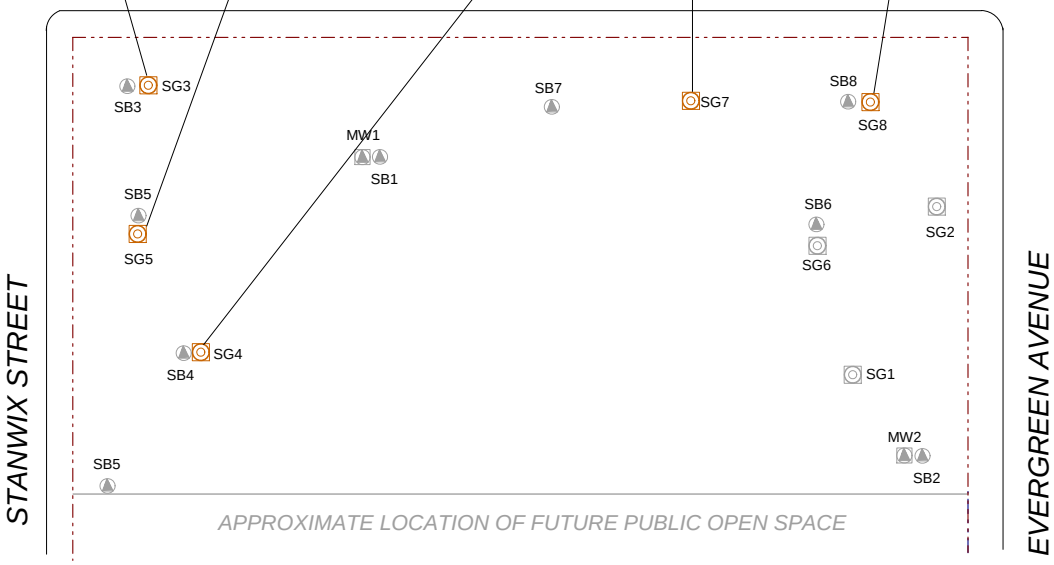
SG7

1,1,1-Trichloroethane	**3.54**
1,2,4-Trimethylbenzene	**9.19**
1,3,5-Trimethylbenzene	**2.85**
4-Ethyltoluene	**1.72**
4-Isopropyltoluene	1.21
4-Methyl-2-pentanone	1.19
Acetone	20.9
Benzene	1.12
Carbon Tetrachloride	1.26
Chloroform	4
Chloromethane	1.67
Dichlorodifluromethane	30.1
Ethanol	110
Ethyl Acetate	2.74
Ethylbenzene	2.04
Heptane	1.47
Hexane	30.5
Isopropylalcohol	44
Xylene (m&p)	6.99
Methyl Ethyl Ketone	3.89
Methylene Chloride	21.2
n-Butylbenzene	1.59
Xylene (o)	2.69
Propylene	2.05
Tetrachloroethene	0.474
Tetrahydrofuran	1.06
Toluene	7.34
Trichlorofluoromethane	2.47

SG8

1,1,1-Trichloroethane	**17.9**
1,2,4-Trimethylbenzene	**7.42**
1,3,5-Trimethylbenzene	**2.46**
4-Ethyltoluene	**1.42**
4-Isopropyltoluene	1.04
4-Methyl-2-pentanone	1.35
Acetone	103
Carbon Tetrachloride	11.6
Chloroform	5.56
Dichlorodifluromethane	18.6
Ethanol	74.2
Ethyl Acetate	1.84
Ethylbenzene	1.82
Heptane	1.96
Hexane	2.4
Isopropylalcohol	27.5
Xylene (m&p)	5.9
Methyl Ethyl Ketone	16.6
Methylene Chloride	2.5
Xylene (o)	2.21
Propylene	12.9
Tetrachloroethene	0.542
Toluene	8.1
Trichloroethene	1.5
Trichlorofluoromethane	2.81

BLOCK 3152 N



SCALE:

0 25 50 75

1 Inch = 50 Feet

KEY

- Site Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

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Figure 8A - Block 3152N

Soil Vapor Detections

36-70 Noll Street, 76-92 Evergreen Avenue

Brooklyn, NY 11206

SG10

1,2,4-Trimethylbenzene	**11.2**
1,3,5-Trimethylbenzene	**3.64**
1,3-Dichlorobenzene	**1.92**
2-Hexanone	**25**
4-Ethyltoluene	**2.31**
4-Isopropyltoluene	1.32
4-Methyl-2-pentanone	1.06
Acetone	404
Benzene	2.04
Carbon Disulfide	7.44
Carbon Tetrachloride	0.314
Cyclohexane	1.55
Dichlorodifluromethane	5.98
Ethanol	29
Ethylbenzene	10.2
Heptane	8.48
Hexane	7.78
Isopropylalcohol	27
Xylene (m&p)	35.3
Methyl Ethyl Ketone	91.1
Methylene Chloride	1.39
n-Butylbenzene	1.92
Xylene (o)	11.3
Propylene	85
Tetrachloroethene	1.69
Toluene	28
Trichloroethene	0.967
Trichlorofluoromethane	49

SG16

1,1,1-Trichloroethane	**5.51**
1,2,4-Trimethylbenzene	**6.68**
1,3,5-Trimethylbenzene	**2.21**
1,3-Dichlorobenzene	**1.44**
4-Ethyltoluene	**1.38**
4-Methyl-2-pentanone	**1.06**
Acetone	**11.1**
Carbon Tetrachloride	**0.566**
Chloroform	**2.29**
Cyclohexane	**26.6**
Dichlorodifluromethane	**1.98**
Ethanol	**45.8**
Ethyl Acetate	1.12
Ethylbenzene	1.43
Heptane	2.09
Hexane	2.29
Isopropylalcohol	25
Xylene (m&p)	4.77
Methyl Ethyl Ketone	1.89
Methylene Chloride	3.64
n-Butylbenzene	1.37
Xylene (o)	1.78
Propylene	2.12
Tetrachloroethene	1.29
Toluene	17.6
Trichloroethene	4.14
Trichlorofluoromethane	23.6

SG11

1,1,1-Trichloroethane	**34.7**
1,2,4-Trimethylbenzene	**12.2**
1,3,5-Trimethylbenzene	**3.73**
1,3-Dichlorobenzene	**2.7**
2-Hexanone	**19**
4-Ethyltoluene	**2.21**
4-Isopropyltoluene	1.48
Acetone	290
Benzyl Chloride	2.02
Carbon Disulfide	1.52
Carbon Tetrachloride	0.377
Chloroform	1.17
Dichlorodifluromethane	2.32
Ethanol	30.5
Ethyl Acetate	1.4
Ethylbenzene	2.47
Heptane	3.32
Hexane	2.46
Isopropylalcohol	27
Xylene (m&p)	8.98
Methyl Ethyl Ketone	77.2
Methylene Chloride	1.53
n-Butylbenzene	2.36
Xylene (o)	3.78
Propylene	26.8
Tetrachloroethene	2.64
Toluene	6.82
Trichloroethene	3.22
Trichlorofluoromethane	9.88

SG9

1,1,1-Trichloroethane	**2.84**
1,2,4-Trimethylbenzene	**14.1**
1,3,5-Trimethylbenzene	**4.47**
1,3-Dichlorobenzene	**2.04**
2-Hexanone	**12.6**
4-Ethyltoluene	**2.41**
4-Isopropyltoluene	1.97
4-Methyl-2-pentanone	2.09
Acetone	674
Carbon Disulfide	3.27
Carbon Tetrachloride	0.314
Chloroform	1.71
Dichlorodifluromethane	2.47
Ethanol	97.2
Ethyl Acetate	2.81
Ethylbenzene	3.95
Heptane	10.8
Hexane	5.95
Isopropylalcohol	98
Xylene (m&p)	12.3
Methyl Ethyl Ketone	195
n-Butylbenzene	2.52
Xylene (o)	4.73
Propylene	51.1
Tetrachloroethene	3.18
Toluene	13.7
Trichloroethene	4.3
Trichlorofluoromethane	13.6

SG12

1,1,1-Trichloroethane	**5.94**
1,2,4-Trimethylbenzene	**12**
1,3,5-Trimethylbenzene	**3.64**
1,3-Dichlorobenzene	**2.82**
2-Hexanone	**22.3**
4-Ethyltoluene	**2.31**
Acetone	**1,250**
Carbon Disulfide	**1.21**
Dichlorodifluromethane	**2.03**
Ethanol	**190**
Ethylbenzene	**3.38**
Heptane	**11.4**
Hexane	**6.3**
Isopropylalcohol	**300**
Xylene (m&p)	**11**
Methyl Ethyl Ketone	214
Methylene Chloride	1.49
n-Butylbenzene	2.19
Xylene (o)	4.6
Propylene	68.6
Tetrachloroethene	11.8
Toluene	9.87
Trichloroethene	12.7
Trichlorofluoromethane	11.3

SG15

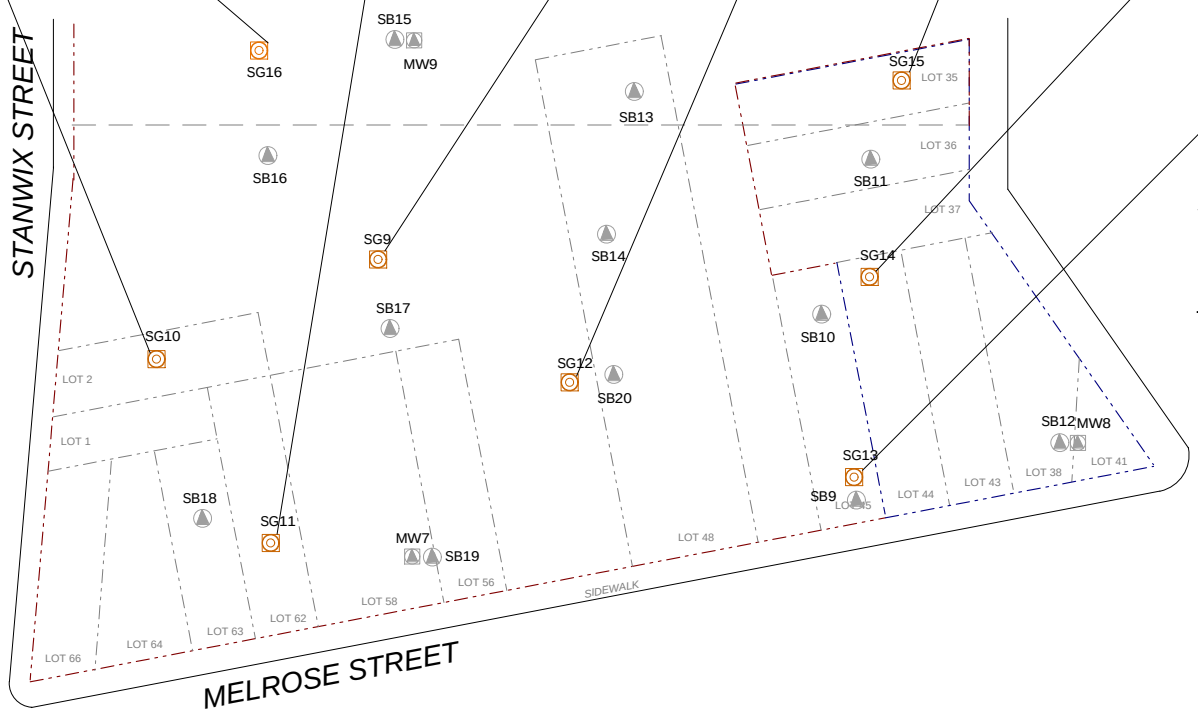
1,1,1-Trichloroethane	**2.67**
1,2,4-Trimethylbenzene	**6.53**
1,3,5-Trimethylbenzene	**2.11**
4-Ethyltoluene	**1.33**
4-Methyl-2-pentanone	**1.02**
Acetone	**252**
Carbon Tetrachloride	**0.251**
Dichlorodifluromethane	**2.52**
Ethanol	**39.4**
Ethyl Acetate	1.66
Ethylbenzene	2.34
Heptane	4.67
Hexane	12.2
Isopropylalcohol	24.3
Xylene (m&p)	7.51
Methyl Ethyl Ketone	41.3
Methylene Chloride	2.67
n-Butylbenzene	1.21
Xylene (o)	2.65
Propylene	7.58
Tetrachloroethene	2.51
Toluene	**10.2**
Trichloroethene	**1.18**
Trichlorofluoromethane	**3.65**

SG14

1,1,1-Trichloroethane	**11.4**
1,2,4-Trimethylbenzene	**10.9**
1,3,5-Trimethylbenzene	**3.59**
1,3-Dichlorobenzene	**2.7**
4-Ethyltoluene	**1.92**
4-Isopropyltoluene	1.54
4-Methyl-2-pentanone	1.35
Acetone	206
Carbon Tetrachloride	0.377
Chloroform	1.02
Dichlorodifluromethane	2.47
Ethanol	51.6
Ethyl Acetate	1.62
Ethylbenzene	2.39
Heptane	2.46
Hexane	4.09
Isopropylalcohol	24.1
Xylene (m&p)	8.38
Methyl Ethyl Ketone	36
Methylene Chloride	4.51
n-Butylbenzene	2.08
Xylene (o)	3.12
Propylene	10
Tetrachloroethene	422
Toluene	7.23
Trichloroethene	11.1
Trichlorofluoromethane	2.53

SG13

1,2,4-Trimethylbenzene	**5.7**
1,3,5-Trimethylbenzene	**1.92**
4-Ethyltoluene	**1.18**
Acetone	**23.7**
Carbon Tetrachloride	**0.314**
Dichlorodifluromethane	**2.08**
Ethanol	**15.8**
Ethylbenzene	**1.39**
Isopropylalcohol	**7.62**
Xylene (m&p)	**4.51**
Methyl Ethyl Ketone	2
n-Butylbenzene	1.04
Xylene (o)	1.6
Tetrachloroethene	0.474
Toluene	5.31
Trichlorofluoromethane	1.12



SCALE:

0 25 50 75

1 Inch = 75 Feet

KEY

- Site Boundary
- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

BLOCK 3152 S

EBC

Environmental Business Consultants

1808 Middle Country Road, Ridge, NY 11961

Phone 631.504.6000

Fax 631.924.2780

Figure 8B - Block 3152S

Soil Vapor Detections

89-133 Melrose Street & 22-36 Stanwix Street

Brooklyn, NY 11206

ATTACHMENT A
PHASE I REPORT

ATTACHMENT B
SOIL BORING LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB1 Boring Log

Location: Performed within loading bay of the warehouse building on the north half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/28/2014	Date Completed: 2/28/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

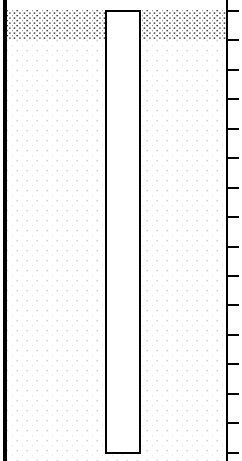
SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	22		0.0	14" - Brown sand w/rock fragments *Retained soil sample SB1(0-2)*
	to 10	4		0.0	29" - Brown sand
	to 15	30		0.0	30" - Brown silty sand w/rock fragments *Retained soil sample SB1(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB2 Boring Log

Location: Performed in the southeast corner of the northern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

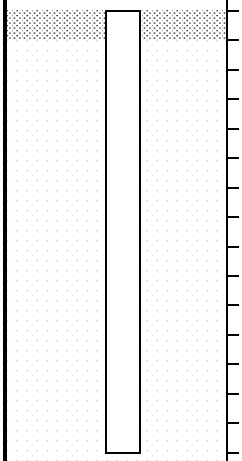
SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	30		0.0	22" - Brown sandy fill material with bricl 3" - Dark brown sandy silt with pebble: **Retained soil sample SB2(0-2)*
	to 10	25		0.0	25" - Light brown sand
	to 15	28		0.0	28" - Light brown sand with pebble: **Retained soil sample SB2(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB3 Boring Log

Location: Performed in the northeast corner of the parking lot.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth ~35 feet		Well Specifications
Date Started: 2/26/2014	Date Completed: 2/26/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	22		0.0	22" - Brown silty sand with rock *Retained soil sample SB3(0-2)*
	to 10	24		0.0	10" - Brown sandy silt w/rock 14" - Brown medium sand
	to 15	28		0.0	28" - Brown coarse sand with some pebbles *Retained soil sample SB3(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB4 Boring Log

Location: Performed in the southwestern portion of the north half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/28/2014	Date Completed: 2/28/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

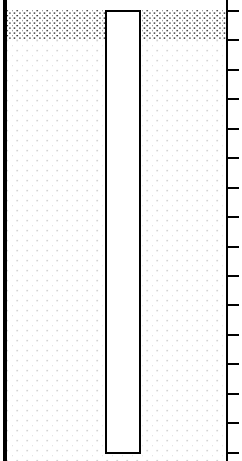
SB4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	29		0.0	28" - Brown sand w/rock fragments *Retained soil sample SB4(0-2)*
	to 10	28		0.0	28" - Brown sand w/rock fragments
	to 15	32		0.0	15" - Brown sandy silt 15" - Brown sand w/rock fragments *Retained soil sample SB4(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB5 Boring Log

Location: Performed near Stanwix Street of the north half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/28/2014	Date Completed: 2/28/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

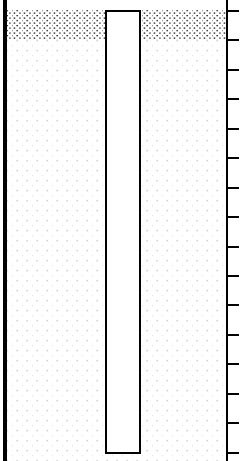
SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	14		0.0	14" - Brown sandy silt w/rock fragments *Retained soil sample SB5(0-2)*
	5 to 10	29		0.0	29" - Brown sandy silt w/rock fragments
	10 to 15	33		0.0	33" - Brown sand w/rock fragments *Retained soil sample SB5(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB6 Boring Log

Location: Performed on the eastern end of the northern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

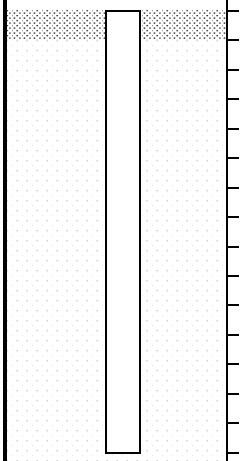
SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	40		0.0	35" - Brown sandy fill material with bricl 3" - Brown sand **Retained soil sample SB6(0-2)*
	to 10	35		0.0	35" - Light brown sand
	to 15	28		0.0	28" - Light brown sand with pebble **Retained soil sample SB6(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB7 Boring Log

Location: Performed on the eastern end of the northern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/28/2014	Date Completed: 2/28/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

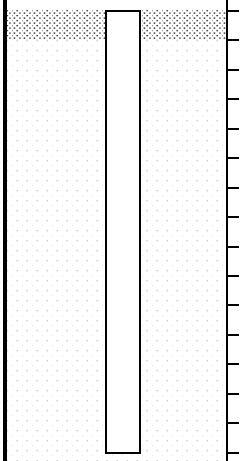
SB7 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	9		0.0	9" - Brown sandy fill material with concrete *Retained soil sample SB7(0-2)*
	to 10	27		0.0	27" - Brown sandy fill material w/brick and conc
	to 15	32		0.0	32" - Brown sand w/rock fragments *Retained soil sample SB7(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB9 Boring Log

Location: Performed in the front of Lot 45 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

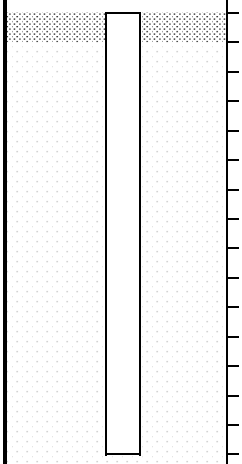
SB9 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	18		0.0	18" - Brown sandy fill material w/brick and conc *Retained soil sample SB9(0-2)*
	to 10	6		0.0	6" - Brown sandy sil
	to 15	20		0.0	20" - Brown sand w/rock fragments *Retained soil sample SB9(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB10 Boring Log

Location: Performed in the rear of Lot 45 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/27/2014	Date Completed: 2/27/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB10 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	23		0.0	8" - Dark brown sandy fill w/brick and rocl 15" - Brown sand **Retained soil sample SB10(0-2)*
	to 10	30		0.0	24" - Brown sand
	to 15	12		0.0	12" - Brown sand **Retained soil sample SB10(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB11 Boring Log

Location: Performed in the center of Lot 36 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB11 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	24		0.0	18" - Brown sandy fill material w/brick and conc 6" - Brown silty sanc *Retained soil sample SB11(0-2)*
	to 10	30		0.0	15" - Brown sandy sil 15" - Brown sand
	to 15	29		0.0	29" - Brown sand *Retained soil sample SB11(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB12 Boring Log

Location: Performed on Lot 38 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/28/2014	Date Completed: 2/28/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

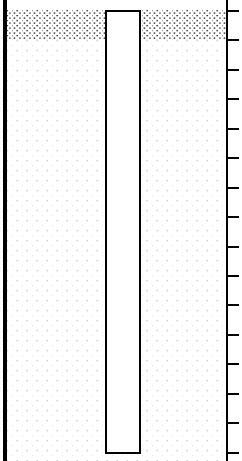
SB12 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	21		0.0	12" - Brown sandy fill material with concrete 9" - Brown sandy sil *Retained soil sample SB12(0-2)*
	to 10	20		0.0	20" - Brown sand w/pebbles
	to 15	22		0.0	22" - Brown sand *Retained soil sample SB12(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB13 Boring Log

Location: Performed in the rear of Lot 48 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

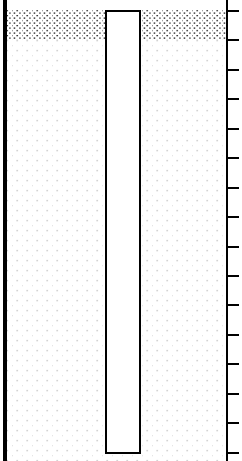
SB13 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	26		0.0	26" - Brown silty sand w/rock framents **Retained soil sample SB13(0-2)*
	5 to 10	13		0.0	27" - Brown sand w/rock fragments
	10 to 15	26		0.0	26" - Brown sand w/rock fragments **Retained soil sample SB13(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB14 Boring Log

Location: Performed approximately 60 ft north of SB20 within Lot 48.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB14 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	30		0.0	6" - Brown sandy fill material with bricl 24" - Brown sand w/rock fragments **Retained soil sample SB14(0-2)*
	to 10	27		0.0	27" - Brown sand w/rock fragments
	to 15	31		0.0	31" - Brown sand w/rock fragments **Retained soil sample SB14(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB15 Boring Log

Location: Performed in the area to be converted into a public accessway between the north and south halfs of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		
Date Started: 2/28/2014	Date Completed: 2/28/2014			Well Specifications None
Completion Depth: 15 feet	Geologist Kevin Waters			

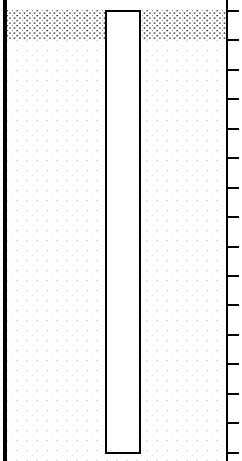
SB15 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	26		0.0	26" - Brown sandy silt w/rock fragments *Retained soil sample SB15(0-2)*
	to 10	0		0.0	No Recovery
	to 15	33		0.0	33" - Brown sand w/rock fragments *Retained soil sample SB15(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB16 Boring Log

Location: Performed on northwest portion of the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/27/2014	Date Completed: 2/27/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB16 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0.0	10" - Dark brown sandy silt with rocl 10" - Brown ssand **Retained soil sample SB16(0-2)*
	to 10	23		0.0	36" - Brown sand
	to 15	18		0.0	18" - Brown sand **Retained soil sample SB16(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB17 Boring Log

Location: Performed approximately 10ft north of the northern property line of Lot 56 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		
Date Started: 2/27/2014	Date Completed: 2/27/2014			Well Specifications None
Completion Depth: 15 feet	Geologist Kevin Waters			

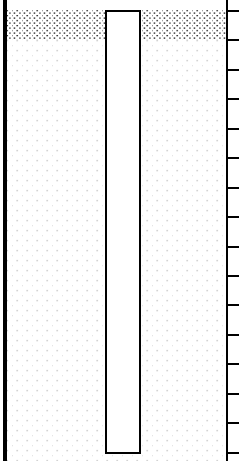
SB17 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	52		0.0	20" - Dark brown sandy fill w/brick and rocl 32" - Brown sand w/rock fragments **Retained soil sample SB17(0-2)*
	to 10	24		0.0	24" - Brown sand w/rock fragments
	to 15	33		0.0	33" - Brown sand w/rock fragments **Retained soil sample SB17(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB18 Boring Log

Location: Performed on Lot 63 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 2/27/2014	Date Completed: 2/27/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

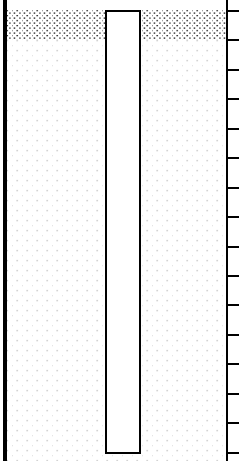
SB18 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	32		0.0	9" - Dark brown sandy silt with rocl 23" - Brown sandy sil **Retained soil sample SB18(0-2)*
	to 10	36		0.0	36" - Brown sandy silt w/rock fragments
	to 15	10		0.0	10" - Brown sand w/rock fragments **Retained soil sample SB18(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB19 Boring Log

Location: Performed in the southeast corner of Lot 58 in the southern half of Block 3152		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

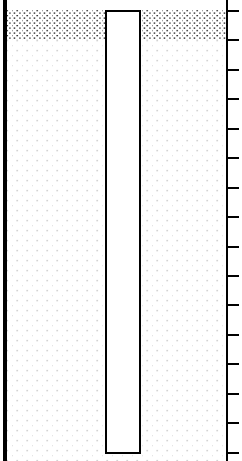
SB19 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	28		0.0	28" - Brown sandy fill material w/brick *Retained soil sample SB19(0-2)*
	5 to 10	29		0.0	10" - Brown sandy fill material w/brick 19" - Brown sandy silt w/rock fragments
	10 to 15	30		0.0	15" - Brown sandy silt 15" - Brown sand w/rock fragments *Retained soil sample SB19(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

BLOCK 3152 - SB20 Boring Log

Location: Performed in the approximate center of the southern half of Block 3152 - Lot 48.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: NYD1401 Former Rhiengold Property	Address: 930 Flushing Avenue, Brooklyn, NY	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Geoprobe	Groundwater depth		Well Specifications
Date Started: 3/4/2014	Date Completed: 3/4/2014			None
Completion Depth: 15 feet	Geologist Kevin Waters			

SB20 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	24		0.0	16" - Brown sandy fill material with bricl 8" - Brown sand w/rock fragments **Retained soil sample SB20(0-2)*
	to 10	32		0.0	32" - Brown sand w/rock fragments
	to 15	18		0.0	18" - Brown sand w/rock fragments **Retained soil sample SB20(13-15)*

ATTACHMENT C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 3/27/2014

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 48

Field Personnel: Kevin Waters

Height of Water in Well: 7

Gallons of Water per Well Volume: 0.28

Approximate Flow Rate: 400ml/min.

Time	Time (24Hr)	~ Flow Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	7:39	400ml/min	0					turbid
2.00	7:41	400ml/min	0.22					turbid
4.00	7:43	400ml/min	0.44					turbid
6.00	7:45	400ml/min	0.66					clear
8.00	7:47	400ml/min	0.88					clear
10.00	7:49	400ml/min	1.1					clear
12.00	7:51	400ml/min	1.32					clear
14.00	7:53	400ml/min	1.54					clear
	8:00							Collected Samples

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW2

Date: 3/27/2014

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 50

Field Personnel: Kevin Waters

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Approximate Flow Rate: 400ml/min.

Time	Time (24Hr)	~ Flow Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:13	400ml/min	0					turbid
2.00	8:15	400ml/min	0.22					turbid
4.00	8:17	400ml/min	0.44					turbid
6.00	8:19	400ml/min	0.66					clear
8.00	8:21	400ml/min	0.88					clear
10.00	8:23	400ml/min	1.1					clear
12.00	8:25	400ml/min	1.32					clear
14.00	8:27	400ml/min	1.54					clear
	8:36							Collected Samples

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW7

Date: 3/27/2014

Well Depth (from TOC): 65

Equipment: Check Valve

Static Water Level (from TOC): 58

Field Personnel: Kevin Waters

Height of Water in Well: 7

Gallons of Water per Well Volume: 0.28

Approximate Flow Rate: 400ml/min.

Time	Time (24Hr)	~ Flow Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:40	400ml/min	0					turbid
2.00	8:42	400ml/min	0.22					turbid
4.00	8:44	400ml/min	0.44					turbid
6.00	8:46	400ml/min	0.66					clear
8.00	8:48	400ml/min	0.88					clear
10.00	8:50	400ml/min	1.1					clear
12.00	8:52	400ml/min	1.32					clear
14.00	8:54	400ml/min	1.54					clear
	9:00							Collected Samples

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW7

Date: 4/25/2014

Well Depth (from TOC): 65

Equipment: Check Valve

Static Water Level (from TOC): 58

Field Personnel: Kevin Waters

Height of Water in Well: 7

Gallons of Water per Well Volume: 0.28

Approximate Flow Rate: 400ml/min.

Time	Time (24Hr)	~ Flow Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	12:41	400ml/min	0					turbid
2.00	12:43	400ml/min	0.22					turbid
4.00	12:45	400ml/min	0.44					turbid
6.00	12:47	400ml/min	0.66					clear
8.00	12:49	400ml/min	0.88					clear
10.00	12:51	400ml/min	1.1					clear
12.00	12:53	400ml/min	1.32					clear
14.00	12:55	400ml/min	1.54					clear
	13:00							Collected Samples

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW9

Date: 3/27/2014

Well Depth (from TOC): 60

Equipment: Check Valve

Static Water Level (from TOC): 56

Field Personnel: Kevin Waters

Height of Water in Well: 4

Gallons of Water per Well Volume: 0.16

Approximate Flow Rate: 400ml/min.

Time	Time (24Hr)	~ Flow Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	9:14	400ml/min	0					turbid
2.00	9:16	400ml/min	0.22					turbid
4.00	9:18	400ml/min	0.44					turbid
6.00	9:20	400ml/min	0.66					clear
8.00	9:22	400ml/min	0.88					clear
10.00	9:24	400ml/min	1.1					clear
12.00	9:26	400ml/min	1.32					clear
14.00	9:28	400ml/min	1.54					clear
	9:35							Collected Samples

Note 400 ml = 0.11 gallons

ATTACHMENT D
SOIL GAS SAMPLING LOGS

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☒ Email: csosik@alacinony.com
- ~~☐ Phone #:~~

Report to: Kevin

Customer: CBC

Address: Ridge NY

Invoice to: EB

Sampled by: KW

Project Name: Block 3152 Brooklyn NY

Requested Deliverable: RCP ☐ ASP CAT B ☐ MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
37773	SG 12	13638	6.0	-30	-5	4980	41.6	855	1037	4.25	-30	-9		X			X
37774	SG 15	222			0	4987		830	1018		-30	-4					
37775	SG 14	12867			-6	2871		915	1055		-28	-7					
37776	SG 7	473			-4	5711		1010	1157		-29	-6					
37777	SG 16	469			-6	5673		952	1128		-30	-9					
37778	SG 8	11292			-7	5710		1015	1205		-28	-9					
37779	SG 4	156			-6	2862		955	1129		-30	-9					
37780	SG 13	11286			-5	5705		832	1016		-30	-8					
37781	SG 5	13637			0	3114		1008	1150		-30	-5					
37782	SG 3	172			-4	5040		1005	1155		-30	-6					

Relinquished by:	Accepted by:	Date:	Time:
		4-28-12	03
	C Paladise	4-28-12	1603

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

6L 2hr ~~(1 of 2)~~ (1 of 2)

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: csosik@ebcenv.com
☐ Phone #:

Report to:
Customer: EBC
Address: Ridge NY

Invoice to: EBC

Sampled by: KW

Project Name: Block 3152 Bklyn NY
Requested Deliverable:
RCP ☐ ASP CAT B ☐
MCP ☐ NJ Deliverables ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
	~~KW~~	~~12857~~	~~6.0~~	~~-30~~		~~5448~~	~~42~~										
	~~KW~~	~~479~~	↓	↓		~~4983~~	↓		~~KW~~								
	~~KW~~	~~12858~~	↓	↓		~~5709~~	↓		~~KW~~								
37783	5910	12868	6.0	-30	-5	5352	41.6	900	1035	4.25	-29	-8		X			X
37784	5911	492	6.0	-30	-5	0331	41.6	857	1031	4.25	-29	-7		X			X
37785	5910	471	6.0	-30	-6	5044	41.6	902	1035	4.15	-29	-9		X			X
	6L 24hr																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-28-14	1203
[signature]	CPaugatise	4-28-14	1603

Data Format:
Excel ☒ Equis ☐ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

ATTACHMENT E
LABORATORY REPORTS IN DIGITAL FORMAT

PHOENIX
Environmental Laboratories, Inc.

Wednesday, May 07, 2014

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

Project ID: BLOCK 3152 BROOKLYN NY
Sample ID#s: BG38397 - BG38398

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.

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 07, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/25/14	13:00
Location Code:	EBC	Received by:	SW	04/29/14	15:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG38397
Phoenix ID: BG38397

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: MW 8

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver (Dissolved)	< 0.005		0.005	0.001	mg/L	05/01/14	EK	SW6010	
Aluminum (Dissolved)	0.10		0.01	0.0026	mg/L	05/01/14	EK	SW6010	
Arsenic, (Dissolved)	< 0.003		0.003	0.001	mg/L	05/01/14	EK	SW6010	
Barium (Dissolved)	0.099		0.011	0.001	mg/L	05/01/14	EK	SW6010	
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	05/01/14	EK	SW6010	
Calcium (Dissolved)	113		0.01	0.003	mg/L	05/01/14	EK	SW6010	
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	05/01/14	EK	SW6010	
Cobalt, (Dissolved)	< 0.005		0.005	0.001	mg/L	05/01/14	EK	SW6010	
Chromium (Dissolved)	0.014		0.001	0.001	mg/L	05/01/14	EK	SW6010	
Copper, (Dissolved)	0.001	B	0.005	0.001	mg/L	05/01/14	EK	SW6010	
Iron, (Dissolved)	0.18		0.01	0.01	mg/L	05/01/14	EK	SW6010	
Mercury (Dissolved)	< 0.0004		0.0004	0.0003	mg/L	04/30/14	RS	SW7470	
Potassium (Dissolved)	3.8		0.1	0.1	mg/L	05/01/14	EK	SW6010	
Magnesium (Dissolved)	41.1		0.01	0.001	mg/L	05/01/14	EK	SW6010	
Manganese, (Dissolved)	0.551		0.005	0.001	mg/L	05/01/14	EK	SW6010	B
Sodium (Dissolved)	69.0		1.1	1.1	mg/L	05/01/14	EK	SW6010	
Nickel, (Dissolved)	0.003	B	0.004	0.001	mg/L	05/01/14	EK	SW6010	
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	05/01/14	EK	SW6010	
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	04/30/14	RS	7010	
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	05/01/14	T/R	7010	
Thallium , (Dissolved)	< 0.0005		0.0005	0.0005	mg/L	05/01/14	RS	7010	
Vanadium, (Dissolved)	< 0.011		0.011	0.001	mg/L	05/01/14	EK	SW6010	
Zinc, (Dissolved)	0.004	B	0.011	0.001	mg/L	05/01/14	EK	SW6010	
Filtration	Completed					04/29/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					04/30/14	I/I	SW7470	
PCB Extraction	Completed					04/29/14	T	SW3510C	
Extraction for Pest (2 Liter)	Completed					04/29/14	T	SW3510	
Semi-Volatile Extraction	Completed					04/29/14	E/D/K	SW3520	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: MW 8

Phoenix I.D.: BG38397

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Dissolved Metals Preparation	Completed				04/29/14	AG	SW846-3005	
Pesticides								
4,4' -DDD	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
4,4' -DDE	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
4,4' -DDT	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	05/04/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	05/04/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	05/04/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	05/04/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	05/04/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	05/04/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	05/04/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Endrin	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	05/04/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Heptachlor	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Heptachlor epoxide	ND	0.010	0.010	ug/L	05/04/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	05/04/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	05/04/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	98			%	05/04/14	CE	SW8081	
%TCMX (Surrogate Rec)	83			%	05/04/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1221	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1232	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1242	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1248	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1254	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1260	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1262	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
PCB-1268	ND	0.072	0.072	ug/L	05/02/14	KCA	8082	
QA/QC Surrogates								
% DCBP	43			%	05/02/14	KCA	30 - 150 %	
% TCMX	31			%	05/02/14	KCA	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	04/29/14	MH	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	04/29/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	04/29/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	04/29/14	MH	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	04/29/14	MH	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	04/29/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	04/29/14	MH	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	04/29/14	MH	SW8260	
1,2-Dichloroethane	ND		2.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	04/29/14	MH	SW8260	
1,3-Dichlorobenzene	ND		5.0	0.19	ug/L	04/29/14	MH	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	04/29/14	MH	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	04/29/14	MH	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	04/29/14	MH	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	04/29/14	MH	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	04/29/14	MH	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
Acetone	1.1	JS	5.0	0.31	ug/L	04/29/14	MH	SW8260	
Acrolein	ND		5.0	0.95	ug/L	04/29/14	MH	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	04/29/14	MH	SW8260	
Benzene	ND		0.70	0.19	ug/L	04/29/14	MH	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	04/29/14	MH	SW8260	
Bromoform	ND		5.0	0.10	ug/L	04/29/14	MH	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	04/29/14	MH	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	04/29/14	MH	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	04/29/14	MH	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	04/29/14	MH	SW8260	
Chloroform	3.1	J	5.0	0.22	ug/L	04/29/14	MH	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	04/29/14	MH	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	04/29/14	MH	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	04/29/14	MH	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	04/29/14	MH	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	04/29/14	MH	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	04/29/14	MH	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	04/29/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	04/29/14	MH	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Butylbenzene	ND	1.0	0.22	ug/L	04/29/14	MH	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	04/29/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	04/29/14	MH	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	04/29/14	MH	SW8260	
Styrene	ND	1.0	0.41	ug/L	04/29/14	MH	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	04/29/14	MH	SW8260	
Tetrachloroethene	4.3	1.0	0.24	ug/L	04/29/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	04/29/14	MH	SW8260	1
Toluene	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	04/29/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	04/29/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	04/29/14	MH	SW8260	
Trichloroethene	3.4	1.0	0.18	ug/L	04/29/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	04/29/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	04/29/14	MH	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	04/29/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	04/29/14	MH	70 - 121 %	
% Bromofluorobenzene	90			%	04/29/14	MH	59 - 113 %	
% Dibromofluoromethane	99			%	04/29/14	MH	70 - 130 %	
% Toluene-d8	98			%	04/29/14	MH	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1.4	ug/L	05/01/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1.5	ug/L	05/01/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1.5	ug/L	05/01/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	05/01/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	05/01/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	05/01/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	05/01/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	05/01/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	05/01/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	05/01/14	DD	SW 8270

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	5.0	1.7	ug/L	05/01/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	05/01/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
Benzidine	ND	4.5	2.9	ug/L	05/01/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	05/01/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	05/01/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	05/01/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	05/01/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	05/01/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	05/01/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	05/01/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	05/01/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	05/01/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	05/01/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	05/01/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	05/01/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	05/01/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	05/01/14	DD	SW 8270
Phenol	ND	1.0	1.6	ug/L	05/01/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	05/01/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	05/01/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82			%	05/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	84			%	05/01/14	DD	30 - 115 %
% 2-Fluorophenol	66			%	05/01/14	DD	25 - 121 %
% Nitrobenzene-d5	82			%	05/01/14	DD	23 - 120 %
% Phenol-d5	63			%	05/01/14	DD	24 - 113 %
% Terphenyl-d14	55			%	05/01/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	04/30/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/30/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	04/30/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.40	0.40	ug/L	04/30/14	DD	SW8270 (SIM)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	0.50	0.50	ug/L	04/30/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/30/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	04/30/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/30/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/30/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/30/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97			%	04/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	95			%	04/30/14	DD	30 - 115 %
% 2-Fluorophenol	75			%	04/30/14	DD	25 - 121 %
% Nitrobenzene-d5	104			%	04/30/14	DD	23 - 120 %
% Phenol-d5	78			%	04/30/14	DD	24 - 113 %
% Terphenyl-d14	58			%	04/30/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 07, 2014
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

May 07, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		04/25/14	13:00
Location Code:	EBC	Received by:	SW	04/29/14	15:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG38397
Phoenix ID: BG38398

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	04/29/14	MH	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	04/29/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	04/29/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	04/29/14	MH	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	04/29/14	MH	SW8260	
1,1-Dichloropropene	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	04/29/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	04/29/14	MH	SW8260	
1,2-Dibromoethane	ND	1.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	04/29/14	MH	SW8260	
1,2-Dichloroethane	ND	2.0	0.20	ug/L	04/29/14	MH	SW8260	
1,2-Dichloropropane	ND	1.0	0.18	ug/L	04/29/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	04/29/14	MH	SW8260	
1,3-Dichlorobenzene	ND	5.0	0.19	ug/L	04/29/14	MH	SW8260	
1,3-Dichloropropane	ND	1.0	0.22	ug/L	04/29/14	MH	SW8260	
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	04/29/14	MH	SW8260	
2,2-Dichloropropane	ND	1.0	0.16	ug/L	04/29/14	MH	SW8260	
2-Chlorotoluene	ND	1.0	0.23	ug/L	04/29/14	MH	SW8260	
2-Hexanone	ND	1.0	0.27	ug/L	04/29/14	MH	SW8260	
2-Isopropyltoluene	ND	1.0	0.21	ug/L	04/29/14	MH	SW8260	1
4-Chlorotoluene	ND	1.0	0.16	ug/L	04/29/14	MH	SW8260	
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	04/29/14	MH	SW8260	

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Acetone	1.6	JS	5.0	0.31	ug/L	04/29/14	MH	SW8260	
Acrolein	ND		5.0	0.95	ug/L	04/29/14	MH	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	04/29/14	MH	SW8260	
Benzene	ND		0.70	0.19	ug/L	04/29/14	MH	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	04/29/14	MH	SW8260	
Bromoform	ND		5.0	0.10	ug/L	04/29/14	MH	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	04/29/14	MH	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	04/29/14	MH	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	04/29/14	MH	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	04/29/14	MH	SW8260	
Chloroform	ND		5.0	0.22	ug/L	04/29/14	MH	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	04/29/14	MH	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	04/29/14	MH	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	04/29/14	MH	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	04/29/14	MH	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
Hexachlorobutadiene	ND		1.0	0.13	ug/L	04/29/14	MH	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	04/29/14	MH	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	04/29/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	04/29/14	MH	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	04/29/14	MH	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	04/29/14	MH	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	04/29/14	MH	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	04/29/14	MH	SW8260	
Styrene	ND		1.0	0.41	ug/L	04/29/14	MH	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Tetrachloroethene	ND		1.0	0.24	ug/L	04/29/14	MH	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	04/29/14	MH	SW8260	1
Toluene	ND		1.0	0.20	ug/L	04/29/14	MH	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	04/29/14	MH	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	04/29/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	04/29/14	MH	SW8260	
Trichloroethene	ND		1.0	0.18	ug/L	04/29/14	MH	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	04/29/14	MH	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	04/29/14	MH	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102				%	04/29/14	MH	70 - 121 %	
% Bromofluorobenzene	88				%	04/29/14	MH	59 - 113 %	
% Dibromofluoromethane	99				%	04/29/14	MH	70 - 130 %	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: TRIP BLANK

Phoenix I.D.: BG38398

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	101			%	04/29/14	MH	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 07, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBG38397 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG38397	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG38397	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG38397	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BG38397	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG38397	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG38397	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG38397	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG38397	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	41.1	0.01	35	35	mg/L
BG38397	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.551	0.005	0.3	0.3	mg/L
BG38397	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	69.0	1.1	20	20	mg/L
BG38398	$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.5	0.5	ug/L
BG38398	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG38398	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG38398	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG38398	$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BG38398	$8260DP25R	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

May 07, 2014

SDG I.D.: GBG38397

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: PK [✓] ICE [ ] No [ ]
Temp ✓ °C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[ ] Phone:
[✓] Email: csosweeney@sciencing.com

Customer: EBC
Address: Ridge NY

Project: Block 3152 Brooklyn NY
Report to:
Invoice to:

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 4.25

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCBs	TAL metals Dissolved	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [✓] HCl	GL Amber 1000ml [✓] As is [ ] H2SO4	PL As is [✓] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
38397	MW8	SW	4.25	1300	X	X	X	X				3	3	1				
38398	trip blank				X							3						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-29-14	1204
[signature]	[signature]	4-29-14	1553

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[✓] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

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

NY
[✓] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, May 02, 2014

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

Project ID: BLOCK 3152 BKLYN NY
Sample ID#s: BG37773 - BG37785

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.

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:37
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37773

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 12

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	1.09	*0.183*	5.94	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.45	*0.204*	12.0	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.74	*0.204*	3.64	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.47	*0.166*	2.82	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	5.44	*0.244*	22.3	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.47	*0.204*	2.31	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.28	*0.182*	1.54	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Acetone	526	*0.421*	1250	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 12

Phoenix I.D.: BG37773

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	0.39	*0.321*	1.21	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.41	*0.202*	2.03	*1.00*	04/29/14	KCA	TO15	
Ethanol	101	*0.531*	190	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.78	*0.230*	3.38	*1.00*	04/29/14	KCA	TO15	
Heptane	2.78	*0.244*	11.4	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	1.79	*0.284*	6.30	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	122	*0.407*	300	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	2.53	*0.230*	11.0	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	72.8	*0.339*	214	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.43	*0.288*	1.49	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.4	*0.182*	2.19	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	1.06	*0.230*	4.60	*1.00*	04/29/14	KCA	TO15	
Propylene	39.9	*0.581*	68.6	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	1.74	*0.037*	11.8	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	2.62	*0.266*	9.87	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	2.36	*0.047*	12.7	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	2.02	*0.178*	11.3	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	105	%	105	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 12

Phoenix I.D.: BG37773

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:18
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37774

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	0.49	*0.183*	2.67	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.33	*0.204*	6.53	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.43	*0.204*	2.11	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.27	*0.204*	1.33	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.25	*0.244*	1.02	*1.00*	04/29/14	KCA	TO15	
Acetone	106	*0.421*	252	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 15

Phoenix I.D.: BG37774

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.04	*0.040*	0.251	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.51	*0.202*	2.52	*1.00*	04/29/14	KCA	TO15	
Ethanol	20.9	*0.531*	39.4	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.46	*0.278*	1.66	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.54	*0.230*	2.34	*1.00*	04/29/14	KCA	TO15	
Heptane	1.14	*0.244*	4.67	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	3.48	*0.284*	12.2	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	9.88	*0.407*	24.3	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.73	*0.230*	7.51	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	14	*0.339*	41.3	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.77	*0.288*	2.67	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.22	*0.182*	1.21	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.61	*0.230*	2.65	*1.00*	04/29/14	KCA	TO15	
Propylene	4.41	*0.581*	7.58	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.37	*0.037*	2.51	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	2.72	*0.266*	10.2	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.22	*0.047*	1.18	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.65	*0.178*	3.65	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	105	%	105	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 15

Phoenix I.D.: BG37774

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:55
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37775

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 14

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	2.09	*0.183*	11.4	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.22	*0.204*	10.9	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.73	*0.204*	3.59	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.45	*0.166*	2.70	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.39	*0.204*	1.92	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.28	*0.182*	1.54	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.33	*0.244*	1.35	*1.00*	04/29/14	KCA	TO15	
Acetone	86.9	*0.421*	206	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 14

Phoenix I.D.: BG37775

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.06	*0.040*	0.377	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	0.21	*0.205*	1.02	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.5	*0.202*	2.47	*1.00*	04/29/14	KCA	TO15	
Ethanol	27.4	*0.531*	51.6	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.45	*0.278*	1.62	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.55	*0.230*	2.39	*1.00*	04/29/14	KCA	TO15	
Heptane	0.6	*0.244*	2.46	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	1.16	*0.284*	4.09	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	9.81	*0.407*	24.1	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.93	*0.230*	8.38	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	12.2	*0.339*	36.0	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	1.3	*0.288*	4.51	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.38	*0.182*	2.08	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.72	*0.230*	3.12	*1.00*	04/29/14	KCA	TO15	
Propylene	5.83	*0.581*	10.0	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	62.2	*0.037*	422	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	1.92	*0.266*	7.23	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	2.07	*0.047*	11.1	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.45	*0.178*	2.53	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	109	%	109	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 14

Phoenix I.D.: BG37775

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

May 02, 2014

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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	11:57
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37776

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 7

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	0.65	*0.183*	3.54	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.87	*0.204*	9.19	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.58	*0.204*	2.85	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.35	*0.204*	1.72	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.22	*0.182*	1.21	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.29	*0.244*	1.19	*1.00*	04/29/14	KCA	TO15	
Acetone	8.79	*0.421*	20.9	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	0.35	*0.313*	1.12	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 7

Phoenix I.D.: BG37776

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.2	*0.040*	1.26	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	0.82	*0.205*	4.00	*1.00*	04/29/14	KCA	TO15	
Chloromethane	0.81	*0.484*	1.67	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	6.09	*0.202*	30.1	*1.00*	04/29/14	KCA	TO15	
Ethanol	58.3	*0.531*	110	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.76	*0.278*	2.74	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.47	*0.230*	2.04	*1.00*	04/29/14	KCA	TO15	
Heptane	0.36	*0.244*	1.47	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	8.66	*0.284*	30.5	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	17.9	*0.407*	44.0	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.61	*0.230*	6.99	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	1.32	*0.339*	3.89	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	6.12	*0.288*	21.2	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.29	*0.182*	1.59	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.62	*0.230*	2.69	*1.00*	04/29/14	KCA	TO15	
Propylene	1.19	*0.581*	2.05	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.07	*0.037*	0.474	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	0.36	*0.339*	1.06	*1.00*	04/29/14	KCA	TO15	1
Toluene	1.95	*0.266*	7.34	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.44	*0.178*	2.47	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	103	*%*	103	*%*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 7

Phoenix I.D.: BG37776

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

May 02, 2014

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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	11:28
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37777

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 16

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	1.01	*0.183*	5.51	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.36	*0.204*	6.68	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.45	*0.204*	2.21	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.24	*0.166*	1.44	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.28	*0.204*	1.38	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.26	*0.244*	1.06	*1.00*	04/29/14	KCA	TO15	
Acetone	4.69	*0.421*	11.1	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 16

Phoenix I.D.: BG37777

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.09	*0.040*	0.566	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	0.47	*0.205*	2.29	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	7.72	*0.291*	26.6	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.4	*0.202*	1.98	*1.00*	04/29/14	KCA	TO15	
Ethanol	24.3	*0.531*	45.8	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.31	*0.278*	1.12	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.33	*0.230*	1.43	*1.00*	04/29/14	KCA	TO15	
Heptane	0.51	*0.244*	2.09	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	0.65	*0.284*	2.29	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	10.2	*0.407*	25.0	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.1	*0.230*	4.77	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	0.64	*0.339*	1.89	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	1.05	*0.288*	3.64	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.25	*0.182*	1.37	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.41	*0.230*	1.78	*1.00*	04/29/14	KCA	TO15	
Propylene	1.23	*0.581*	2.12	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.19	*0.037*	1.29	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	4.66	*0.266*	17.6	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.77	*0.047*	4.14	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	4.21	*0.178*	23.6	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	109	*%*	109	*%*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 16

Phoenix I.D.: BG37777

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

Comments:

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Phyllis Shiller, Laboratory Director

May 02, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	12:05
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37778

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 8

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	3.28	*0.183*	17.9	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.51	*0.204*	7.42	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.5	*0.204*	2.46	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.29	*0.204*	1.42	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.19	*0.182*	1.04	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.33	*0.244*	1.35	*1.00*	04/29/14	KCA	TO15	
Acetone	43.4	*0.421*	103	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 8

Phoenix I.D.: BG37778

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	1.85	*0.040*	11.6	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	1.14	*0.205*	5.56	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	3.77	*0.202*	18.6	*1.00*	04/29/14	KCA	TO15	
Ethanol	39.4	*0.531*	74.2	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.51	*0.278*	1.84	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.42	*0.230*	1.82	*1.00*	04/29/14	KCA	TO15	
Heptane	0.48	*0.244*	1.96	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	0.68	*0.284*	2.40	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	11.2	*0.407*	27.5	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.36	*0.230*	5.90	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	5.65	*0.339*	16.6	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.72	*0.288*	2.50	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.51	*0.230*	2.21	*1.00*	04/29/14	KCA	TO15	
Propylene	7.52	*0.581*	12.9	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.08	*0.037*	0.542	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	2.15	*0.266*	8.10	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.28	*0.047*	1.50	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.5	*0.178*	2.81	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	%	106	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 8

Phoenix I.D.: BG37778

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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Phyllis Shiller, Laboratory Director

May 02, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	11:29
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37779

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	1.73	*0.183*	9.43	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.41	*0.204*	6.93	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.46	*0.204*	2.26	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.19	*0.166*	1.14	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.24	*0.204*	1.18	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.31	*0.244*	1.27	*1.00*	04/29/14	KCA	TO15	
Acetone	5.33	*0.421*	12.6	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 4

Phoenix I.D.: BG37779

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.08	*0.040*	0.503	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	3.4	*0.205*	16.6	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	4.56	*0.291*	15.7	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	1.26	*0.202*	6.23	*1.00*	04/29/14	KCA	TO15	
Ethanol	20.9	*0.531*	39.4	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.38	*0.278*	1.37	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.34	*0.230*	1.48	*1.00*	04/29/14	KCA	TO15	
Heptane	1.02	*0.244*	4.18	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	0.96	*0.284*	3.38	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	7.22	*0.407*	17.7	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.13	*0.230*	4.90	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	0.6	*0.339*	1.77	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.95	*0.288*	3.30	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.25	*0.182*	1.37	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.43	*0.230*	1.86	*1.00*	04/29/14	KCA	TO15	
Propylene	2.39	*0.581*	4.11	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.18	*0.037*	1.22	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	6.67	*0.266*	25.1	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.61	*0.047*	3.28	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	4.13	*0.178*	23.2	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 4

Phoenix I.D.: BG37779

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

May 02, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:16
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37780

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 13

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.16	*0.204*	5.70	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.39	*0.204*	1.92	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.24	*0.204*	1.18	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Acetone	10	*0.421*	23.7	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 13

Phoenix I.D.: BG37780

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.42	*0.202*	2.08	*1.00*	04/29/14	KCA	TO15	
Ethanol	8.4	*0.531*	15.8	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.32	*0.230*	1.39	*1.00*	04/29/14	KCA	TO15	
Heptane	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	3.1	*0.407*	7.62	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.04	*0.230*	4.51	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	0.68	*0.339*	2.00	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.19	*0.182*	1.04	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.37	*0.230*	1.60	*1.00*	04/29/14	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.07	*0.037*	0.474	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	1.41	*0.266*	5.31	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.2	*0.178*	1.12	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	%	104	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 13

Phoenix I.D.: BG37780

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	11:50
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37781

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	0.62	*0.183*	3.38	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.34	*0.204*	6.58	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.43	*0.204*	2.11	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.29	*0.166*	1.74	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.25	*0.204*	1.23	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Acetone	1.95	*0.421*	4.63	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 5

Phoenix I.D.: BG37781

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.04	*0.040*	0.251	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	1.28	*0.291*	4.40	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	1.44	*0.202*	7.12	*1.00*	04/29/14	KCA	TO15	
Ethanol	10.6	*0.531*	20.0	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.33	*0.230*	1.43	*1.00*	04/29/14	KCA	TO15	
Heptane	0.53	*0.244*	2.17	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	1.84	*0.407*	4.52	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	1.08	*0.230*	4.69	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.24	*0.182*	1.32	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.41	*0.230*	1.78	*1.00*	04/29/14	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.19	*0.037*	1.29	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	5.53	*0.266*	20.8	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.66	*0.178*	3.70	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	%	104	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 5

Phoenix I.D.: BG37781

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	11:55
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37782

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	0.26	*0.183*	1.42	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.9	*0.204*	4.42	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.28	*0.204*	1.38	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.18	*0.166*	1.08	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Acetone	8.5	*0.421*	20.2	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 3

Phoenix I.D.: BG37782

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	1.18	*0.202*	5.83	*1.00*	04/29/14	KCA	TO15	
Ethanol	11.4	*0.531*	21.5	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.26	*0.230*	1.13	*1.00*	04/29/14	KCA	TO15	
Heptane	0.26	*0.244*	1.06	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	1.02	*0.284*	3.59	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	2.21	*0.407*	5.43	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	0.82	*0.230*	3.56	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	0.85	*0.339*	2.50	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	1.34	*0.288*	4.65	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.33	*0.230*	1.43	*1.00*	04/29/14	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.12	*0.037*	0.813	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	1.2	*0.266*	4.52	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	0.36	*0.178*	2.02	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	109	%	109	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY

Client ID: SG 3

Phoenix I.D.: BG37782

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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Phyllis Shiller, Laboratory Director

May 02, 2014

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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:33
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37783

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 9

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	0.52	*0.183*	2.84	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.88	*0.204*	14.1	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.91	*0.204*	4.47	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.34	*0.166*	2.04	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	3.08	*0.244*	12.6	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.49	*0.204*	2.41	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.36	*0.182*	1.97	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.51	*0.244*	2.09	*1.00*	04/29/14	KCA	TO15	
Acetone	284	*0.421*	674	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 9

Phoenix I.D.: BG37783

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	1.05	*0.321*	3.27	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	0.35	*0.205*	1.71	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.5	*0.202*	2.47	*1.00*	04/29/14	KCA	TO15	
Ethanol	51.6	*0.531*	97.2	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.78	*0.278*	2.81	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.91	*0.230*	3.95	*1.00*	04/29/14	KCA	TO15	
Heptane	2.65	*0.244*	10.8	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	1.69	*0.284*	5.95	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	39.9	*0.407*	98.0	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	2.84	*0.230*	12.3	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	66.3	*0.339*	195	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.46	*0.182*	2.52	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	1.09	*0.230*	4.73	*1.00*	04/29/14	KCA	TO15	
Propylene	29.7	*0.581*	51.1	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	0.2	*0.182*	1.10	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.47	*0.037*	3.18	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	3.65	*0.266*	13.7	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.8	*0.047*	4.30	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	2.42	*0.178*	13.6	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 9

Phoenix I.D.: BG37783

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:31
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37784

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 11

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	6.36	*0.183*	34.7	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	1.3	*0.247*	5.26	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.49	*0.204*	12.2	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.76	*0.204*	3.73	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.45	*0.166*	2.70	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	4.65	*0.244*	19.0	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.45	*0.204*	2.21	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.27	*0.182*	1.48	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	04/29/14	KCA	TO15	
Acetone	122	*0.421*	290	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	0.39	*0.193*	2.02	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 11

Phoenix I.D.: BG37784

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	0.49	*0.321*	1.52	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.06	*0.040*	0.377	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	0.24	*0.205*	1.17	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	0.47	*0.202*	2.32	*1.00*	04/29/14	KCA	TO15	
Ethanol	16.2	*0.531*	30.5	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	0.39	*0.278*	1.40	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	0.57	*0.230*	2.47	*1.00*	04/29/14	KCA	TO15	
Heptane	0.81	*0.244*	3.32	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	0.7	*0.284*	2.46	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	11	*0.407*	27.0	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	2.07	*0.230*	8.98	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	26.2	*0.339*	77.2	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.44	*0.288*	1.53	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.43	*0.182*	2.36	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	0.87	*0.230*	3.78	*1.00*	04/29/14	KCA	TO15	
Propylene	15.6	*0.581*	26.8	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.39	*0.037*	2.64	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	1.81	*0.266*	6.82	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.6	*0.047*	3.22	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	1.76	*0.178*	9.88	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	0.41	*0.130*	3.14	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 11

Phoenix I.D.: BG37784

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 02, 2014
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

May 02, 2014

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:	AIR	Collected by:	KW	04/25/14	10:35
Location Code:	EBC	Received by:	SW	04/28/14	16:03
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG37773
Phoenix ID: BG37785

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 10

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	04/29/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	04/29/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.29	*0.204*	11.2	*1.00*	04/29/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	04/29/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	04/29/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.74	*0.204*	3.64	*1.00*	04/29/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	04/29/14	KCA	TO15	
1,3-Dichlorobenzene	0.32	*0.166*	1.92	*1.00*	04/29/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	04/29/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
2-Hexanone(MBK)	6.12	*0.244*	25.0	*1.00*	04/29/14	KCA	TO15	1
4-Ethyltoluene	0.47	*0.204*	2.31	*1.00*	04/29/14	KCA	TO15	1
4-Isopropyltoluene	0.24	*0.182*	1.32	*1.00*	04/29/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.26	*0.244*	1.06	*1.00*	04/29/14	KCA	TO15	
Acetone	170	*0.421*	404	*1.00*	04/29/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	04/29/14	KCA	TO15	
Benzene	0.64	*0.313*	2.04	*1.00*	04/29/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 10

Phoenix I.D.: BG37785

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	04/29/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	04/29/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	04/29/14	KCA	TO15	
Carbon Disulfide	2.39	*0.321*	7.44	*1.00*	04/29/14	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	04/29/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	04/29/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	04/29/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	04/29/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Cyclohexane	0.45	*0.291*	1.55	*1.00*	04/29/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	04/29/14	KCA	TO15	
Dichlorodifluoromethane	1.21	*0.202*	5.98	*1.00*	04/29/14	KCA	TO15	
Ethanol	15.4	*0.531*	29.0	*1.00*	04/29/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	1
Ethylbenzene	2.35	*0.230*	10.2	*1.00*	04/29/14	KCA	TO15	
Heptane	2.07	*0.244*	8.48	*1.00*	04/29/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	04/29/14	KCA	TO15	
Hexane	2.21	*0.284*	7.78	*1.00*	04/29/14	KCA	TO15	
Isopropylalcohol	11	*0.407*	27.0	*1.00*	04/29/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	04/29/14	KCA	TO15	
m,p-Xylene	8.14	*0.230*	35.3	*1.00*	04/29/14	KCA	TO15	
Methyl Ethyl Ketone	30.9	*0.339*	91.1	*1.00*	04/29/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	04/29/14	KCA	TO15	
Methylene Chloride	0.4	*0.288*	1.39	*1.00*	04/29/14	KCA	TO15	
n-Butylbenzene	0.35	*0.182*	1.92	*1.00*	04/29/14	KCA	TO15	1
o-Xylene	2.6	*0.230*	11.3	*1.00*	04/29/14	KCA	TO15	
Propylene	49.4	*0.581*	85.0	*1.00*	04/29/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	04/29/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	04/29/14	KCA	TO15	
Tetrachloroethene	0.25	*0.037*	1.69	*0.25*	04/29/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	04/29/14	KCA	TO15	1
Toluene	7.44	*0.266*	28.0	*1.00*	04/29/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	04/29/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	04/29/14	KCA	TO15	
Trichloroethene	0.18	*0.047*	0.967	*0.25*	04/29/14	KCA	TO15	
Trichlorofluoromethane	8.72	*0.178*	49.0	*1.00*	04/29/14	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	04/29/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	04/29/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	107	%	107	%	04/29/14	KCA	TO15	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SG 10

Phoenix I.D.: BG37785

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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Phyllis Shiller, Laboratory Director
May 02, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 02, 2014

QA/QC Data

SDG I.D.: GBG37773

QA/QC Batch 272981, QC Sample No: BG37773 (BG37773, BG37774, BG37775, BG37776, BG37777, BG37778, BG37779, BG37780, BG37781, BG37782, BG37783, BG37784, BG37785)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	103	5.94	5.89	1.09	1.08	0.9	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	114	12.0	11.7	2.45	2.39	2.5	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	127	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	112	3.64	3.64	0.74	0.74	0.0	70 - 130	20
1,3-Butadiene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	121	ND	2.82	ND	0.47	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	100	22.3	22.6	5.44	5.52	1.5	70 - 130	20
4-Ethyltoluene	ND	ND	112	2.46	2.26	0.5	0.46	8.3	70 - 130	20
4-Isopropyltoluene	ND	ND	114	1.59	1.54	0.29	0.28	3.5	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	101	888	890	374	375	0.3	70 - 130	20
Acrylonitrile	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Benzyl chloride	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	127	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	102	1.34	1.21	0.43	0.39	9.8	70 - 130	20
Carbon Tetrachloride	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Chlorobenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	88	2.03	2.08	0.41	0.42	2.4	70 - 130	20

QA/QC Data

SDG I.D.: GBG37773

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	ND	94	254	262	135	139	2.9	70 - 130	20
Ethyl acetate	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	111	3.38	3.43	0.78	0.79	1.3	70 - 130	20
Heptane	ND	ND	94	11.4	11.3	2.78	2.76	0.7	70 - 130	20
Hexachlorobutadiene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	86	6.30	5.81	1.79	1.65	8.1	70 - 130	20
Isopropylalcohol	ND	ND	106	287	295	117	120	2.5	70 - 130	20
Isopropylbenzene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	113	11.0	10.8	2.53	2.49	1.6	70 - 130	20
Methyl Ethyl Ketone	ND	ND	99	245	248	83	84	1.2	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	86	1.53	4.96	0.44	1.43	105.9	70 - 130	20
n-Butylbenzene	ND	ND	117	2.08	2.36	0.38	0.43	12.3	70 - 130	20
o-Xylene	ND	ND	111	4.60	4.56	1.06	1.05	0.9	70 - 130	20
Propylene	ND	ND	107	68.6	70.5	39.9	41	2.7	70 - 130	20
sec-Butylbenzene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	113	11.8	11.6	1.74	1.72	1.2	70 - 130	20
Tetrahydrofuran	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	107	9.87	9.94	2.62	2.64	0.8	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	106	12.7	12.7	2.36	2.36	0.0	70 - 130	20
Trichlorofluoromethane	ND	ND	109	11.3	11.1	2.02	1.98	2.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	109	109	102	105	104	105	104	1.0	70 - 130	20

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

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

Phyllis Shiller, Laboratory Director
May 02, 2014

Sample Criteria Exceedences Report

GBG37773 - EBC

Criteria: None

State: NY

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

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☒ Email: csosik@calacinemy.com
- ~~☐ Phone #:~~

Report to: Kevin

Customer: CBC

Address: Ridge NY

Invoice to: EB

Sampled by: KW

Project Name: Block 3152 Brooklyn NY

Requested Deliverable: RCP ☐ ASP CAT B ☐ MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
37773	SG 12	13638	6.0	-30	-5	4980	41.6	855	1037	4-25	-30	-9		X			X
37774	SG 15	222			0	4987		830	0018		-30	-4					
37775	SG 14	12867			-6	2871		915	1055		-28	-7					
37776	SG 7	473			-4	5711		1010	1157		-29	-6					
37777	SG 16	469			-6	5673		952	1128		-30	-9					
37778	SG 8	11292			-7	5710		1015	1205		-28	-9					
37779	SG 4	156			-6	2862		955	1129		-30	-9					
37780	SG 13	11286			-5	5705		832	1016		-30	-8					
37781	SG 5	13637			0	3414		1008	1150		-30	-5					
37782	SG 3	172			-4	5040		1005	1155		-30	-6					

Relinquished by:	Accepted by:	Date:	Time:
		4-28-12	03
	Caladise	4-28-14	1603

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

6L 2hr ~~(1 of 2)~~ (1 of 2)

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: csosik@ebcmgr.com
☐ Phone #:

Report to:
Customer: EBC
Address: Ridge NY

Invoice to: EBC

Sampled by: KW

Project Name: Block 3152 Bklyn NY
Requested Deliverable:
RCP ☐ ASP CAT B ☐
MCP ☐ NJ Deliverables ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
	~~KW~~	~~12857~~	~~6.0~~	~~-30~~		~~5648~~	~~42~~										
	~~KW~~	~~479~~	↓	↓		~~4983~~	↓		~~KW~~								
	~~KW~~	~~12858~~	↓	↓		~~5709~~	↓		~~KW~~								
37783	5909	12868	6.0	-30	-5	5352	41.6	900	1035	4-25	-29	-8		X			X
37784	5911	492	6.0	-30	-5	0331	41.6	857	1031	4-25	-29	-7		X			X
37785	5910	471	6.0	-30	-6	5044	41.6	902	1035	4-25	-29	-9		X			X
	6L 24hr																

Relinquished by:	Accepted by:	Date:	Time:
		4-28-14	1203
	C Pangtisc	4-28-14	1603

Data Format:
Excel ☒ Equis ☐ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 08, 2014

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

Project ID: BLOCK 3152 BKLYN NY
Sample ID#s: BG24577 - BG24580

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.

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

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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 ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Client: Environmental Business Consultants

Project: BLOCK 3152 BKLYN NY

Laboratory Project: GBG24577

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 08, 2014 **SDG I.D.: GBG24577**

Environmental Business Consultants BLOCK 3152 BKLYN NY

SDG Comments

8081 Pesticides:
Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

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

8270 Semivolatile Organics:
Full Scan Report:
Phenol, 2-Chlorophenol, Hexachlorobutadiene, and nitrobenzene were reported from the SIM analysis. Bis(2-chloroethyl)ether, 2-Methylphenol (o-cresol), 2-Nitrophenol, 2,4-Dimethylphenol, 2,4-Dichlorophenol, 4-Chloro-3-methylphenol, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitrophenol, 4,6-Dinitro-2-methylphenol and 2,3,4,6-tetrachlorophenol were evaluated below the lowest calibration in order to achieve the requested reporting criteria.
SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

Methodology Summary

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 08, 2014 **SDG I.D.: GBG24577**

Environmental Business Consultants BLOCK 3152 BKLYN NY

Volatile Organics

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
BL 3152 MW1	BG24577	GROUND WATER
BL 3152 MW2	BG24578	GROUND WATER
BL 3152 MW7	BG24579	GROUND WATER
BL 3152 MW9	BG24580	GROUND WATER

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

April 08, 2014 **SDG I.D.: GBG24577**

Environmental Business Consultants BLOCK 3152 BKLYN NY

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 08, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/27/14	0:00
Location Code:	EBC	Received by:	LPB	03/28/14	15:57
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG24577
Phoenix ID: BG24577

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	04/01/14	LK	SW6010
Aluminum	40.3		0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.012		0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	1.08		0.010	0.0003	mg/L	04/01/14	LK	SW6010
Beryllium	0.004		0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	91.8		0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.004	B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.121	*	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.264		0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.226	*	0.005	0.001	mg/L	04/01/14	LK	SW6010
Iron	85.0		0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002		0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	10.3		0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	45.3		0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	9.92		0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	50.6		0.1	0.1	mg/L	04/02/14	LK	SW6010
Nickel	0.200		0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.066		0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003		0.003	0.002	mg/L	04/02/14	RS	7010
Selenium	< 0.004		0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005		0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.066		0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.264		0.010	0.001	mg/L	04/02/14	LK	SW6010
Mercury Digestion	Completed					03/31/14	I/I	SW7470
PCB Extraction	Completed					03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed					03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed					03/28/14	e/K/D	SW3520
Total Metals Digestion	Completed					03/28/14	AG	SW846 - 3050

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW1

Phoenix I.D.: BG24577

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Pesticides									
4,4' -DDD	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
4,4' -DDE	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
4,4' -DDT	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
a-BHC	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
a-chlordane	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Alachlor	ND		0.086	0.086	ug/L	03/31/14	CE	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	03/31/14	CE	SW8081	
b-BHC	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
Chlordane	ND		0.034	0.034	ug/L	03/31/14	CE	SW8081	
d-BHC	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
Dieldrin	ND		0.002	0.002	ug/L	03/31/14	CE	SW8081	
Endosulfan I	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Endosulfan II	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Endosulfan Sulfate	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Endrin	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
Endrin Aldehyde	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Endrin ketone	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
g-BHC (Lindane)	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
g-chlordane	ND		0.011	0.011	ug/L	03/31/14	CE	SW8081	
Heptachlor	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
Heptachlor epoxide	ND		0.006	0.006	ug/L	03/31/14	CE	SW8081	
Methoxychlor	ND		0.11	0.11	ug/L	03/31/14	CE	SW8081	
Toxaphene	ND		0.23	0.23	ug/L	03/31/14	CE	SW8081	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	59				%	03/31/14	CE	SW8081	
%TCMX (Surrogate Rec)	82				%	03/31/14	CE	SW8081	
Polychlorinated Biphenyls									
PCB-1016	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1221	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1232	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1242	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1248	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1254	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1260	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1262	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
PCB-1268	ND		0.083	0.083	ug/L	03/29/14	AW	8082	
QA/QC Surrogates									
% DCBP	35				%	03/29/14	AW	30 - 150 %	
% TCMX	47				%	03/29/14	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,1-Trichloroethane	0.30	J	5.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	03/30/14	RM	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW1

Phoenix I.D.: BG24577

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	03/30/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	03/30/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	03/30/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	03/30/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Acetone	3.4	JS	5.0	0.31	ug/L	03/30/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	03/30/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	03/30/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	03/30/14	RM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	03/30/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	03/30/14	RM	SW8260	
Carbon Disulfide	0.35	J	1.0	0.24	ug/L	03/30/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	03/30/14	RM	SW8260	
Chloroform	ND		5.0	0.22	ug/L	03/30/14	RM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	03/30/14	RM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	03/30/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	03/30/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	03/30/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	03/30/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	03/30/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	03/30/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Styrene	ND		1.0	0.41	ug/L	03/30/14	RM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Tetrachloroethene	0.36	J	1.0	0.24	ug/L	03/30/14	RM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	03/30/14	RM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	03/30/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
Trichloroethene	1.0		1.0	0.18	ug/L	03/30/14	RM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	03/30/14	RM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	03/30/14	RM	70 - 121 %	
% Bromofluorobenzene	95				%	03/30/14	RM	59 - 113 %	
% Dibromofluoromethane	92				%	03/30/14	RM	70 - 130 %	
% Toluene-d8	98				%	03/30/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	04/01/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		3	1.4	ug/L	04/01/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.0	1.6	ug/L	04/01/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		3	1.5	ug/L	04/01/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		3	1.5	ug/L	04/01/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	04/01/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	04/01/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	04/01/14	DD	SW 8270	
2-Chlorophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	04/01/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1	1	ug/L	04/01/14	DD	SW 8270	
2-Nitroaniline	ND		5	5	ug/L	04/01/14	DD	SW 8270	
2-Nitrophenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		5.0	2.0	ug/L	04/01/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5	2.4	ug/L	04/01/14	DD	SW 8270	
3-Nitroaniline	ND		5	5	ug/L	04/01/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	04/01/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1	1	ug/L	04/01/14	DD	SW 8270	
4-Chloroaniline	ND		5	2.3	ug/L	04/01/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	04/01/14	DD	SW 8270	
4-Nitroaniline	ND		5	1.7	ug/L	04/01/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1	1	ug/L	04/01/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/01/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
Aniline	ND	5	5	ug/L	04/01/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/01/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/01/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/01/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/01/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	04/01/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/01/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/01/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/01/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/01/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/01/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/01/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/01/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/01/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/01/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/01/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/01/14	DD	SW 8270
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	04/01/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/01/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/01/14	DD	SW 8270
Phenol	ND	1	1	ug/L	04/01/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/01/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/01/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	101			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	71			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	69			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	70			%	04/01/14	DD	23 - 120 %
% Phenol-d5	68			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	74			%	04/01/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	03/31/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	03/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	03/31/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW1

Phoenix I.D.: BG24577

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	2.4	1.5	ug/L	03/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	03/31/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	03/31/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	03/31/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	03/31/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	112			%	03/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	03/31/14	DD	30 - 115 %
% 2-Fluorophenol	72			%	03/31/14	DD	25 - 121 %
% Nitrobenzene-d5	95			%	03/31/14	DD	23 - 120 %
% Phenol-d5	71			%	03/31/14	DD	24 - 113 %
% Terphenyl-d14	92			%	03/31/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 08, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

April 08, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/27/14	0:00
Location Code:	EBC	Received by:	LPB	03/28/14	15:57
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG24577
Phoenix ID: BG24578

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	04/01/14	LK	SW6010
Aluminum	20.0		0.010	0.0024	mg/L	04/01/14	LK	SW6010
Arsenic - LDL	0.005		0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.580		0.010	0.0003	mg/L	04/01/14	LK	SW6010
Beryllium	0.002		0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	60.6		0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.001	B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.073	*	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.163		0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.123	*	0.005	0.001	mg/L	04/01/14	LK	SW6010
Iron	42.6		0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002		0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	6.5		0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	29.7		0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	5.35		0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	72.5		1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.103		0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.049		0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003		0.003	0.002	mg/L	04/02/14	RS	7010
Selenium	< 0.004		0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005		0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.031		0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.202		0.010	0.001	mg/L	04/02/14	LK	SW6010
Mercury Digestion	Completed					03/31/14	I/I	SW7470
PCB Extraction	Completed					03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed					03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed					03/28/14	E/K/D	SW3520
Total Metals Digestion	Completed					03/28/14	AG	SW846 - 3050

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW2

Phoenix I.D.: BG24578

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Pesticides									
4,4' -DDD	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDE	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDT	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-BHC	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-chlordane	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Alachlor	ND		0.075	0.075	ug/L	03/31/14	CE	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	03/31/14	CE	SW8081	
b-BHC	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
Chlordane	ND		0.030	0.030	ug/L	03/31/14	CE	SW8081	
d-BHC	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
Dieldrin	ND		0.002	0.002	ug/L	03/31/14	CE	SW8081	
Endosulfan I	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan II	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan Sulfate	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
Endrin Aldehyde	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin ketone	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
g-BHC (Lindane)	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
g-chlordane	ND		0.010	0.010	ug/L	03/31/14	CE	SW8081	
Heptachlor	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
Heptachlor epoxide	ND		0.005	0.005	ug/L	03/31/14	CE	SW8081	
Methoxychlor	ND		0.10	0.10	ug/L	03/31/14	CE	SW8081	
Toxaphene	ND		0.20	0.20	ug/L	03/31/14	CE	SW8081	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	48				%	03/31/14	CE	SW8081	
%TCMX (Surrogate Rec)	76				%	03/31/14	CE	SW8081	
Polychlorinated Biphenyls									
PCB-1016	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1221	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1232	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1242	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1248	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1254	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1260	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1262	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1268	ND		0.072	0.072	ug/L	03/29/14	AW	8082	
QA/QC Surrogates									
% DCBP	31				%	03/29/14	AW	30 - 150 %	
% TCMX	43				%	03/29/14	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,1-Trichloroethane	0.55	J	5.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	03/30/14	RM	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW2

Phoenix I.D.: BG24578

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	03/30/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	03/30/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	03/30/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	03/30/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Acetone	ND		5.0	0.31	ug/L	03/30/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	03/30/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	03/30/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	03/30/14	RM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	03/30/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	03/30/14	RM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	03/30/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	03/30/14	RM	SW8260	
Chloroform	1.0	J	5.0	0.22	ug/L	03/30/14	RM	SW8260	
Chloromethane	0.54	J	5.0	0.21	ug/L	03/30/14	RM	SW8260	
cis-1,2-Dichloroethene	0.24	J	1.0	0.23	ug/L	03/30/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	03/30/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	03/30/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	03/30/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	03/30/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	03/30/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	03/30/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260	
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260	
Tetrachloroethene	1.6	1.0	0.24	ug/L	03/30/14	RM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260	
Trichloroethene	2.2	1.0	0.18	ug/L	03/30/14	RM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/30/14	RM	70 - 121 %	
% Bromofluorobenzene	94			%	03/30/14	RM	59 - 113 %	
% Dibromofluoromethane	95			%	03/30/14	RM	70 - 130 %	
% Toluene-d8	101			%	03/30/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	04/02/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1.5	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	81			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	55			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	70			%	04/02/14	DD	23 - 120 %
% Phenol-d5	40			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	85			%	04/02/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW2

Phoenix I.D.: BG24578

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	50			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	90			%	04/01/14	DD	23 - 120 %
% Phenol-d5	36			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	95			%	04/01/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 08, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

April 08, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/27/14	0:00
Location Code:	EBC	Received by:	LPB	03/28/14	15:57
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG24577
Phoenix ID: BG24579

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW7

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	04/01/14	LK	SW6010
Aluminum	13.5		0.010	0.0024	mg/L	04/01/14	LK	SW6010
Arsenic - LDL	0.012		0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.237		0.010	0.0003	mg/L	04/01/14	LK	SW6010
Beryllium	< 0.001		0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	61.0		0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.001	B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.023	*	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.058		0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.048	*	0.005	0.001	mg/L	04/01/14	LK	SW6010
Iron	28.2		0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002		0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	5.6		0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	29.6		0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	3.21		0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	59.5		1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.059		0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.019		0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003		0.003	0.002	mg/L	04/02/14	RS	7010
Selenium	< 0.004		0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	0.0008		0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.022		0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.101		0.010	0.001	mg/L	04/02/14	LK	SW6010
Mercury Digestion	Completed					03/31/14	I/I	SW7470
PCB Extraction	Completed					03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed					03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed					03/28/14	E/K/D	SW3520
Total Metals Digestion	Completed					03/28/14	AG	SW846 - 3050

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW7

Phoenix I.D.: BG24579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Pesticides								
4,4' -DDD	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDE	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDT	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	03/31/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	03/31/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Heptachlor	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Heptachlor epoxide	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	03/31/14	CE	SW8081	
Toxaphene	ND	0.20	0.20	ug/L	03/31/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	74			%	03/31/14	CE	SW8081	
%TCMX (Surrogate Rec)	95			%	03/31/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
QA/QC Surrogates								
% DCBP	40			%	03/29/14	AW	30 - 150 %	
% TCMX	48			%	03/29/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW7

Phoenix I.D.: BG24579

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	03/30/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	03/30/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	03/30/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	03/30/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Acetone	ND		5.0	0.31	ug/L	03/30/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	03/30/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	03/30/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	03/30/14	RM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	03/30/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	03/30/14	RM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	03/30/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	03/30/14	RM	SW8260	
Chloroform	2.3	J	5.0	0.22	ug/L	03/30/14	RM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	03/30/14	RM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	03/30/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	03/30/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	03/30/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	03/30/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	03/30/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	03/30/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Styrene	ND		1.0	0.41	ug/L	03/30/14	RM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Tetrachloroethene	0.68	J	1.0	0.24	ug/L	03/30/14	RM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	03/30/14	RM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	03/30/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
Trichloroethene	0.56	J	1.0	0.18	ug/L	03/30/14	RM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	03/30/14	RM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	03/30/14	RM	70 - 121 %	
% Bromofluorobenzene	94				%	03/30/14	RM	59 - 113 %	
% Dibromofluoromethane	104				%	03/30/14	RM	70 - 130 %	
% Toluene-d8	101				%	03/30/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		3	1.4	ug/L	04/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.0	1.6	ug/L	04/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		3	1.5	ug/L	04/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		3	1.5	ug/L	04/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	04/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	04/02/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	04/02/14	DD	SW 8270	
2-Chlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2-Nitroaniline	ND		5	5	ug/L	04/02/14	DD	SW 8270	
2-Nitrophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		5.0	2.0	ug/L	04/02/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5	2.4	ug/L	04/02/14	DD	SW 8270	
3-Nitroaniline	ND		5	5	ug/L	04/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
4-Chloroaniline	ND		5	2.3	ug/L	04/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	04/02/14	DD	SW 8270	
4-Nitroaniline	ND		5	1.7	ug/L	04/02/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	80			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	72			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	69			%	04/02/14	DD	23 - 120 %
% Phenol-d5	75			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	86			%	04/02/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW7

Phoenix I.D.: BG24579

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	69			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	91			%	04/01/14	DD	23 - 120 %
% Phenol-d5	69			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	110			%	04/01/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 08, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 08, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/27/14	0:00
Location Code:	EBC	Received by:	LPB	03/28/14	15:57
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG24577
Phoenix ID: BG24580

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW9

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	04/01/14	LK	SW6010
Aluminum	48.9		0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.009		0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.699		0.010	0.0003	mg/L	04/01/14	LK	SW6010
Beryllium	0.003		0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	79.2		0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.003	B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.075	*	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.139		0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.133	*	0.005	0.001	mg/L	04/01/14	LK	SW6010
Iron	94.5		0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002		0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	12.3		0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	46.5		0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	7.38		0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	58.2		1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.128		0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.050		0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003		0.003	0.002	mg/L	04/02/14	RS	7010
Selenium	< 0.004		0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	0.0005		0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.075		0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.224		0.010	0.001	mg/L	04/02/14	LK	SW6010
Mercury Digestion	Completed					03/31/14	I/I	SW7470
PCB Extraction	Completed					03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed					03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed					03/28/14	E/K/D	SW3520
Total Metals Digestion	Completed					03/28/14	AG	SW846 - 3050

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW9

Phoenix I.D.: BG24580

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Pesticides								
4,4' -DDD	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDE	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
4,4' -DDT	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
a-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Alachlor	ND	0.075	0.075	ug/L	03/31/14	CE	SW8081	1
Aldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081	
b-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Chlordane	ND	0.030	0.030	ug/L	03/31/14	CE	SW8081	
d-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Dieldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081	
Endosulfan I	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan II	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Endrin ketone	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
g-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081	
Heptachlor	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Heptachlor epoxide	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081	
Methoxychlor	ND	0.10	0.10	ug/L	03/31/14	CE	SW8081	
Toxaphene	ND	0.25	0.25	ug/L	03/31/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	77			%	03/31/14	CE	SW8081	
%TCMX (Surrogate Rec)	92			%	03/31/14	CE	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082	
QA/QC Surrogates								
% DCBP	39			%	03/29/14	AW	30 - 150 %	
% TCMX	47			%	03/29/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW9

Phoenix I.D.: BG24580

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	03/30/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	03/30/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	03/30/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	03/30/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	03/30/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	03/30/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Acetone	ND		5.0	0.31	ug/L	03/30/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	03/30/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	03/30/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	03/30/14	RM	SW8260	
Bromobenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	03/30/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	03/30/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	03/30/14	RM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	03/30/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	03/30/14	RM	SW8260	
Chloroform	3.3	J	5.0	0.22	ug/L	03/30/14	RM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	03/30/14	RM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	03/30/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	03/30/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	03/30/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	03/30/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	03/30/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	03/30/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	03/30/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	03/30/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	03/30/14	RM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	03/30/14	RM	SW8260	
Styrene	ND		1.0	0.41	ug/L	03/30/14	RM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Tetrachloroethene	0.83	J	1.0	0.24	ug/L	03/30/14	RM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	03/30/14	RM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	03/30/14	RM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	03/30/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	03/30/14	RM	SW8260	
Trichloroethene	0.25	J	1.0	0.18	ug/L	03/30/14	RM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	03/30/14	RM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	03/30/14	RM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/30/14	RM	70 - 121 %	
% Bromofluorobenzene	92				%	03/30/14	RM	59 - 113 %	
% Dibromofluoromethane	99				%	03/30/14	RM	70 - 130 %	
% Toluene-d8	98				%	03/30/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		3	1.4	ug/L	04/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		5.0	1.6	ug/L	04/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		3	1.5	ug/L	04/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		3	1.5	ug/L	04/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	04/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	04/02/14	DD	SW 8270	
2-Chloronaphthalene	ND		5.0	1.4	ug/L	04/02/14	DD	SW 8270	
2-Chlorophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2-Methylnaphthalene	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1	1	ug/L	04/02/14	DD	SW 8270	
2-Nitroaniline	ND		5	5	ug/L	04/02/14	DD	SW 8270	
2-Nitrophenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		5.0	2.0	ug/L	04/02/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND		5	2.4	ug/L	04/02/14	DD	SW 8270	
3-Nitroaniline	ND		5	5	ug/L	04/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	04/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1	1	ug/L	04/02/14	DD	SW 8270	
4-Chloroaniline	ND		5	2.3	ug/L	04/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	04/02/14	DD	SW 8270	
4-Nitroaniline	ND		5	1.7	ug/L	04/02/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	77			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	66			%	04/02/14	DD	23 - 120 %
% Phenol-d5	67			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	83			%	04/02/14	DD	18 - 137 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)

Project ID: BLOCK 3152 BKLYN NY
Client ID: BL 3152 MW9

Phoenix I.D.: BG24580

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	98			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	84			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	70			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	94			%	04/01/14	DD	23 - 120 %
% Phenol-d5	68			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	104			%	04/01/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
April 08, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Sample Criteria Exceedences Report

GBG24577 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24577	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24577	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24577	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24577	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24577	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24577	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.23	0.06	0.06	ug/L
BG24577	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	40.3	0.10	0.1	0.1	mg/L
BG24577	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	1.08	0.010	1	1	mg/L
BG24577	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.004	0.001	0.003	0.003	mg/L
BG24577	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.264	0.001	0.05	0.05	mg/L
BG24577	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.226	0.005	0.2	0.2	mg/L
BG24577	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	85.0	0.01	0.3	0.3	mg/L
BG24577	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	45.3	0.01	35	35	mg/L
BG24577	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	9.92	0.050	0.3	0.3	mg/L
BG24577	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	50.6	0.1	20	20	mg/L
BG24577	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.200	0.004	0.1	0.1	mg/L
BG24577	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.066	0.002	0.025	0.025	mg/L
BG24578	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24578	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24578	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24578	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24578	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24578	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L

Sample Criteria Exceedences Report

GBG24577 - EBC

Criteria: NY: GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24578	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	20.0	0.010	0.1	0.1	mg/L
BG24578	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.163	0.001	0.05	0.05	mg/L
BG24578	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	42.6	0.01	0.3	0.3	mg/L
BG24578	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	5.35	0.050	0.3	0.3	mg/L
BG24578	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	72.5	1.0	20	20	mg/L
BG24578	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.103	0.004	0.1	0.1	mg/L
BG24578	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.049	0.002	0.025	0.025	mg/L
BG24579	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24579	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24579	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24579	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24579	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24579	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24579	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	13.5	0.010	0.1	0.1	mg/L
BG24579	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.058	0.001	0.05	0.05	mg/L
BG24579	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	28.2	0.01	0.3	0.3	mg/L
BG24579	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	3.21	0.050	0.3	0.3	mg/L
BG24579	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	59.5	1.0	20	20	mg/L
BG24579	TL-WMDP	Thallium - LDL	NY / TOGS - Water Quality / GA Criteria	0.0008	0.0005	0.0005	0.0005	mg/L
BG24580	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24580	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24580	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24580	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBG24577 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24580	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24580	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24580	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BG24580	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	48.9	0.10	0.1	0.1	mg/L
BG24580	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.139	0.001	0.05	0.05	mg/L
BG24580	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	94.5	0.01	0.3	0.3	mg/L
BG24580	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	46.5	0.01	35	35	mg/L
BG24580	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	7.38	0.050	0.3	0.3	mg/L
BG24580	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	58.2	1.0	20	20	mg/L
BG24580	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.128	0.004	0.1	0.1	mg/L
BG24580	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.050	0.002	0.025	0.025	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

April 08, 2014

SDG I.D.: GBG24577

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

4°W/C+IP Temp Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: csos.keelscincny.com

Customer: EBX
Address: Ridge NJ
Project: Block 3152 Bklyn NY
Report to:
Invoice to:
Project P.O:
Phone #: 631 504 6000
Fax #:

Sampler's Signature: [signature] Date: 3-22

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCB	TAL Metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [ ] H2SO4	PL As is [x] 250ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
24577	BL 3152 mw 1	gw	3.27		x	x	x	x				3	3	1		1		
24578	BL 3152 mw 2	↓			↓	↓	↓	↓				↓	↓	↓		↓		
24579	BL 3152 mw 7																	
24580	BL 3152 mw 9																	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-28-14	10:05
[signature]	Cpalacio	3-28-14	1557

Comments, Special Requirements or Regulations:

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

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

NY
☒ TOGS GA GW
☐ CP-51 Soil
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 19, 2014

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

Project ID: BLOCK 3152 BKLYN NY
Sample ID#s: BG16999 - BG17004

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 19, 2014

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:		03/04/14	9:00
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG16999

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37		0.37	0.22	mg/Kg	03/11/14	LK	SW6010	
Aluminum	5540		37	7.3	mg/Kg	03/10/14	LK	SW6010	B
Arsenic	< 0.7		0.7	0.73	mg/Kg	03/11/14	LK	SW6010	
Barium	44.9	N	0.7	0.15	mg/Kg	03/11/14	LK	SW6010	B
Beryllium	0.31		0.29	0.15	mg/Kg	03/11/14	LK	SW6010	
Calcium	5570		3.7	3.4	mg/Kg	03/11/14	LK	SW6010	
Cadmium	< 0.37		0.37	0.15	mg/Kg	03/11/14	LK	SW6010	
Cobalt	4.05		0.37	0.15	mg/Kg	03/11/14	LK	SW6010	
Chromium	14.8		0.37	0.15	mg/Kg	03/11/14	LK	SW6010	B
Copper	15.4		0.37	0.29	mg/kg	03/11/14	LK	SW6010	B
Iron	10100		37	37	mg/Kg	03/10/14	LK	SW6010	B
Mercury	< 0.07		0.07	0.04	mg/Kg	03/10/14	RS	SW-7471	
Potassium	1100	N	7	2.9	mg/Kg	03/11/14	LK	SW6010	B
Magnesium	4520		3.7	0.22	mg/Kg	03/11/14	LK	SW6010	B
Manganese	283	N	3.7	1.5	mg/Kg	03/10/14	LK	SW6010	
Sodium	201	N	7	3.2	mg/Kg	03/11/14	LK	SW6010	B
Nickel	9.98		0.37	0.15	mg/Kg	03/11/14	LK	SW6010	
Lead	26.6		0.7	0.22	mg/Kg	03/11/14	LK	SW6010	
Antimony	< 1.8		1.8	1.8	mg/Kg	03/11/14	LK	SW6010	
Selenium	< 1.5		1.5	1.2	mg/Kg	03/11/14	LK	SW6010	
Thallium	< 1.5		1.5	1.5	mg/Kg	03/11/14	LK	SW6010	
Vanadium	17.4		0.4	0.15	mg/Kg	03/11/14	LK	SW6010	
Zinc	27.2		0.7	0.37	mg/Kg	03/11/14	LK	SW6010	
Percent Solid	96				%	03/07/14	I	E160.3	
Soil Extraction for PCB	Completed					03/07/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					03/07/14	BB	SW3545	
Soil Extraction for SVOA	Completed					03/07/14	SB/FV	SW3545	
Mercury Digestion	Completed					03/10/14	I/I	SW7471	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 0-2

Phoenix I.D.: BG16999

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/07/14	AG/W	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	118			%	03/07/14	AW	30 - 150 %
% TCMX	85			%	03/07/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Chlordane	ND	20	20	ug/Kg	03/12/14	CE	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	03/12/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	03/12/14	CE	SW8081
QA/QC Surrogates							
% DCBP	106			%	03/12/14	CE	30 - 150 %
% TCMX	89			%	03/12/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/09/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/09/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 0-2

Phoenix I.D.: BG16999

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/09/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/09/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	1.1	J	5.2	0.85	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/09/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.2	2.0	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.2	0.74	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND		5.2	0.97	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND		5.2	1.5	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND		5.2	0.83	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.6	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND		5.2	0.81	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.6	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.2	0.80	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND		5.2	1.7	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	97				%	03/09/14	JLI	59 - 113 %	
% Dibromofluoromethane	97				%	03/09/14	JLI	70 - 130 %	
% Toluene-d8	104				%	03/09/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		240	98	ug/Kg	03/09/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		240	190	ug/Kg	03/09/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dichlorophenol	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dimethylphenol	ND		240	86	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	240	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		240	140	ug/Kg	03/09/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
2-Chloronaphthalene	ND		240	99	ug/Kg	03/09/14	DD	SW 8270	
2-Chlorophenol	ND		240	99	ug/Kg	03/09/14	DD	SW 8270	
2-Methylnaphthalene	160	J	240	100	ug/Kg	03/09/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	03/09/14	DD	SW 8270	
2-Nitroaniline	ND		1700	350	ug/Kg	03/09/14	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	03/09/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	140	ug/Kg	03/09/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		690	160	ug/Kg	03/09/14	DD	SW 8270	
3-Nitroaniline	ND		1700	760	ug/Kg	03/09/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	370	ug/Kg	03/09/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Chloroaniline	ND		690	160	ug/Kg	03/09/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Nitroaniline	ND		1700	120	ug/Kg	03/09/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 0-2

Phoenix I.D.: BG16999

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthene	230	J	240	110	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthylene	ND		240	97	ug/Kg	03/09/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Aniline	ND		1700	700	ug/Kg	03/09/14	DD	SW 8270	
Anthracene	350		240	110	ug/Kg	03/09/14	DD	SW 8270	
Benz(a)anthracene	1000		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzidine	ND		690	200	ug/Kg	03/09/14	DD	SW 8270	
Benzo(a)pyrene	930		240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(b)fluoranthene	1300		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzo(ghi)perylene	540		240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(k)fluoranthene	350		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzoic acid	ND		1700	690	ug/Kg	03/09/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	90	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	94	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	03/09/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Carbazole	380	J	1700	260	ug/Kg	03/09/14	DD	SW 8270	
Chrysene	1300		240	120	ug/Kg	03/09/14	DD	SW 8270	
Dibenz(a,h)anthracene	140	J	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenzofuran	280		240	100	ug/Kg	03/09/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	03/09/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	90	ug/Kg	03/09/14	DD	SW 8270	
Fluoranthene	2900		240	110	ug/Kg	03/09/14	DD	SW 8270	
Fluorene	260		240	110	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	480		240	120	ug/Kg	03/09/14	DD	SW 8270	
Isophorone	ND		240	97	ug/Kg	03/09/14	DD	SW 8270	
Naphthalene	490		240	100	ug/Kg	03/09/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Phenanthrene	3600		240	99	ug/Kg	03/09/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Pyrene	2500		240	120	ug/Kg	03/09/14	DD	SW 8270	
Pyridine	ND		240	85	ug/Kg	03/09/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	03/09/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	73				%	03/09/14	DD	30 - 115 %	
% 2-Fluorophenol	73				%	03/09/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 0-2

Phoenix I.D.: BG16999

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	73			%	03/09/14	DD	23 - 120 %
% Phenol-d5	76			%	03/09/14	DD	24 - 113 %
% Terphenyl-d14	75			%	03/09/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 19, 2014
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

March 19, 2014

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:		03/04/14	9:30
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG17000

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34		0.34	0.21	mg/Kg	03/11/14	LK	SW6010	
Aluminum	3460		34	6.9	mg/Kg	03/10/14	LK	SW6010	B
Arsenic	0.8		0.7	0.69	mg/Kg	03/11/14	LK	SW6010	
Barium	30.7	N	0.7	0.14	mg/Kg	03/11/14	LK	SW6010	B
Beryllium	0.38		0.27	0.14	mg/Kg	03/11/14	LK	SW6010	
Calcium	1130		3.4	3.2	mg/Kg	03/11/14	LK	SW6010	
Cadmium	0.36		0.34	0.14	mg/Kg	03/11/14	LK	SW6010	
Cobalt	3.70		0.34	0.14	mg/Kg	03/11/14	LK	SW6010	
Chromium	12.4		0.34	0.14	mg/Kg	03/11/14	LK	SW6010	B
Copper	14.4		0.34	0.27	mg/kg	03/11/14	LK	SW6010	B
Iron	27100		34	34	mg/Kg	03/10/14	LK	SW6010	B
Mercury	< 0.06		0.06	0.04	mg/Kg	03/10/14	RS	SW-7471	
Potassium	817	N	7	2.7	mg/Kg	03/11/14	LK	SW6010	B
Magnesium	1700		3.4	0.21	mg/Kg	03/11/14	LK	SW6010	B
Manganese	435	N	3.4	1.4	mg/Kg	03/10/14	LK	SW6010	
Sodium	133	N	7	3.0	mg/Kg	03/11/14	LK	SW6010	B
Nickel	8.46		0.34	0.14	mg/Kg	03/11/14	LK	SW6010	
Lead	5.0		0.7	0.21	mg/Kg	03/11/14	LK	SW6010	
Antimony	< 1.7		1.7	1.7	mg/Kg	03/11/14	LK	SW6010	
Selenium	< 1.4		1.4	1.2	mg/Kg	03/11/14	LK	SW6010	
Thallium	< 1.4		1.4	1.4	mg/Kg	03/11/14	LK	SW6010	
Vanadium	21.5		0.3	0.14	mg/Kg	03/11/14	LK	SW6010	
Zinc	17.6		0.7	0.34	mg/Kg	03/11/14	LK	SW6010	
Percent Solid	97				%	03/07/14	I	E160.3	
Soil Extraction for PCB	Completed					03/07/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					03/07/14	BB	SW3545	
Soil Extraction for SVOA	Completed					03/07/14	SB/FV	SW3545	
Mercury Digestion	Completed					03/10/14	I/I	SW7471	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 13-15

Phoenix I.D.: BG17000

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/07/14	AG/W	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/07/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	85			%	03/07/14	AW	30 - 150 %
% TCMX	82			%	03/07/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Chlordane	ND	20	20	ug/Kg	03/12/14	CE	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/12/14	CE	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Methoxychlor	ND	6.7	6.7	ug/Kg	03/12/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	03/12/14	CE	SW8081
QA/QC Surrogates							
% DCBP	106			%	03/12/14	CE	30 - 150 %
% TCMX	94			%	03/12/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/09/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/09/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 13-15

Phoenix I.D.: BG17000

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.82	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/09/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/09/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	0.98	J	5.2	0.85	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/09/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.2	0.74	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND	5.2	0.97	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND	5.2	0.82	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.6	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND	5.2	0.81	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.6	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.2	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.80	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	99			%	03/09/14	JLI	59 - 113 %	
% Dibromofluoromethane	93			%	03/09/14	JLI	70 - 130 %	
% Toluene-d8	104			%	03/09/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	180	ug/Kg	03/09/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	83	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
2-Chlorophenol	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/09/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	03/09/14	DD	SW 8270	
2-Nitrophenol	ND	240	210	ug/Kg	03/09/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	670	160	ug/Kg	03/09/14	DD	SW 8270	
3-Nitroaniline	ND	1700	730	ug/Kg	03/09/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	360	ug/Kg	03/09/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Chloroaniline	ND	670	160	ug/Kg	03/09/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	03/09/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 13-15

Phoenix I.D.: BG17000

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthylene	ND	240	94	ug/Kg	03/09/14	DD	SW 8270	
Acetophenone	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Aniline	ND	1700	680	ug/Kg	03/09/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzidine	ND	670	200	ug/Kg	03/09/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzoic acid	ND	1700	670	ug/Kg	03/09/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	87	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	93	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	91	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	93	ug/Kg	03/09/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	97	ug/Kg	03/09/14	DD	SW 8270	
Carbazole	ND	1700	250	ug/Kg	03/09/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenzofuran	ND	240	98	ug/Kg	03/09/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dimethylphthalate	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	89	ug/Kg	03/09/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	87	ug/Kg	03/09/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobenzene	ND	240	98	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Isophorone	ND	240	94	ug/Kg	03/09/14	DD	SW 8270	
Naphthalene	ND	240	97	ug/Kg	03/09/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
Phenanthrene	ND	240	96	ug/Kg	03/09/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Pyridine	ND	240	83	ug/Kg	03/09/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	74			%	03/09/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	72			%	03/09/14	DD	30 - 115 %	
% 2-Fluorophenol	71			%	03/09/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 2 13-15

Phoenix I.D.: BG17000

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	72			%	03/09/14	DD	23 - 120 %
% Phenol-d5	74			%	03/09/14	DD	24 - 113 %
% Terphenyl-d14	81			%	03/09/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 19, 2014
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

March 19, 2014

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:		03/04/14	11:00
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG17001

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34		0.34	0.20	mg/Kg	03/11/14	LK	SW6010	
Aluminum	7340		34	6.7	mg/Kg	03/10/14	LK	SW6010	B
Arsenic	1.4		0.7	0.67	mg/Kg	03/11/14	LK	SW6010	
Barium	54.9	N	0.7	0.13	mg/Kg	03/11/14	LK	SW6010	B
Beryllium	0.38		0.27	0.13	mg/Kg	03/11/14	LK	SW6010	
Calcium	2010		3.4	3.1	mg/Kg	03/11/14	LK	SW6010	
Cadmium	< 0.34		0.34	0.13	mg/Kg	03/11/14	LK	SW6010	
Cobalt	4.58		0.34	0.13	mg/Kg	03/11/14	LK	SW6010	
Chromium	16.2		0.34	0.13	mg/Kg	03/11/14	LK	SW6010	B
Copper	18.9		0.34	0.27	mg/kg	03/11/14	LK	SW6010	B
Iron	13500		34	34	mg/Kg	03/10/14	LK	SW6010	B
Mercury	0.36		0.07	0.04	mg/Kg	03/10/14	RS	SW-7471	
Potassium	926	N	7	2.6	mg/Kg	03/11/14	LK	SW6010	B
Magnesium	2260		3.4	0.20	mg/Kg	03/11/14	LK	SW6010	B
Manganese	314	N	3.4	1.3	mg/Kg	03/10/14	LK	SW6010	
Sodium	211	N	7	2.9	mg/Kg	03/11/14	LK	SW6010	B
Nickel	11.3		0.34	0.13	mg/Kg	03/11/14	LK	SW6010	
Lead	72.2		0.7	0.20	mg/Kg	03/11/14	LK	SW6010	
Antimony	< 1.7		1.7	1.7	mg/Kg	03/11/14	LK	SW6010	
Selenium	< 1.3		1.3	1.1	mg/Kg	03/11/14	LK	SW6010	
Thallium	< 1.3		1.3	1.3	mg/Kg	03/11/14	LK	SW6010	
Vanadium	22.5		0.3	0.13	mg/Kg	03/11/14	LK	SW6010	
Zinc	42.3		0.7	0.34	mg/Kg	03/11/14	LK	SW6010	
Percent Solid	95				%	03/07/14	I	E160.3	
Soil Extraction for PCB	Completed					03/07/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					03/07/14	BB	SW3545	
Soil Extraction for SVOA	Completed					03/07/14	SB/FV	SW3545	
Mercury Digestion	Completed					03/10/14	I/I	SW7471	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 0-2

Phoenix I.D.: BG17001

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/07/14	AG/W	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/07/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	03/07/14	AW	30 - 150 %
% TCMX	82			%	03/07/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/12/14	CE	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/12/14	CE	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/12/14	CE	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Chlordane	ND	21	21	ug/Kg	03/12/14	CE	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/12/14	CE	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	03/12/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	03/12/14	CE	SW8081
QA/QC Surrogates							
% DCBP	100			%	03/12/14	CE	30 - 150 %
% TCMX	92			%	03/12/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	03/09/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	03/09/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 0-2

Phoenix I.D.: BG17001

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.75	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.76	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.3	0.46	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.69	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.83	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.3	0.88	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND		5.3	0.84	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND		26	2.4	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	03/09/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.3	0.61	ug/Kg	03/09/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.3	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		50	5.2	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		5.3	1.0	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.68	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.77	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.65	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.85	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.66	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	0.87	J	5.3	0.86	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.96	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.95	ug/Kg	03/09/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND	5.3	0.83	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	99			%	03/09/14	JLI	59 - 113 %	
% Dibromofluoromethane	95			%	03/09/14	JLI	70 - 130 %	
% Toluene-d8	104			%	03/09/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	03/09/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	03/09/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	87	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	03/09/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/09/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	03/09/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	03/09/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	03/09/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	03/09/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	03/09/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	380	ug/Kg	03/09/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	03/09/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	03/09/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 0-2

Phoenix I.D.: BG17001

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthylene	ND		240	98	ug/Kg	03/09/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Aniline	ND		1700	710	ug/Kg	03/09/14	DD	SW 8270	
Anthracene	220	J	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benz(a)anthracene	710		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzidine	ND		700	210	ug/Kg	03/09/14	DD	SW 8270	
Benzo(a)pyrene	620		240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(b)fluoranthene	850		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzo(ghi)perylene	340		240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(k)fluoranthene	330		240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzoic acid	ND		1700	700	ug/Kg	03/09/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	90	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	94	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	97	ug/Kg	03/09/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	03/09/14	DD	SW 8270	
Chrysene	720		240	120	ug/Kg	03/09/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	93	ug/Kg	03/09/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	90	ug/Kg	03/09/14	DD	SW 8270	
Fluoranthene	1600		240	110	ug/Kg	03/09/14	DD	SW 8270	
Fluorene	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	310		240	120	ug/Kg	03/09/14	DD	SW 8270	
Isophorone	ND		240	98	ug/Kg	03/09/14	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	03/09/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	03/09/14	DD	SW 8270	
Phenanthrene	1300		240	100	ug/Kg	03/09/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	03/09/14	DD	SW 8270	
Pyrene	1300		240	120	ug/Kg	03/09/14	DD	SW 8270	
Pyridine	ND		240	86	ug/Kg	03/09/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	03/09/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	73				%	03/09/14	DD	30 - 115 %	
% 2-Fluorophenol	73				%	03/09/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 0-2

Phoenix I.D.: BG17001

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	71			%	03/09/14	DD	23 - 120 %
% Phenol-d5	75			%	03/09/14	DD	24 - 113 %
% Terphenyl-d14	74			%	03/09/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 19, 2014
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

March 19, 2014

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:		03/04/14	11:30
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG17002

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33		0.33	0.20	mg/Kg	03/11/14	LK	SW6010	
Aluminum	3530		33	6.7	mg/Kg	03/10/14	LK	SW6010	B
Arsenic	< 0.7		0.7	0.67	mg/Kg	03/11/14	LK	SW6010	
Barium	29.2	N	0.7	0.13	mg/Kg	03/11/14	LK	SW6010	B
Beryllium	0.29		0.27	0.13	mg/Kg	03/11/14	LK	SW6010	
Calcium	1330		3.3	3.1	mg/Kg	03/11/14	LK	SW6010	
Cadmium	0.26	B	0.33	0.13	mg/Kg	03/11/14	LK	SW6010	
Cobalt	5.54		0.33	0.13	mg/Kg	03/11/14	LK	SW6010	
Chromium	12.9		0.33	0.13	mg/Kg	03/11/14	LK	SW6010	B
Copper	11.8		0.33	0.27	mg/kg	03/11/14	LK	SW6010	B
Iron	21300		33	33	mg/Kg	03/10/14	LK	SW6010	B
Mercury	< 0.08		0.08	0.05	mg/Kg	03/10/14	RS	SW-7471	
Potassium	530	N	7	2.6	mg/Kg	03/11/14	LK	SW6010	B
Magnesium	1500		3.3	0.20	mg/Kg	03/11/14	LK	SW6010	B
Manganese	552	N	3.3	1.3	mg/Kg	03/10/14	LK	SW6010	
Sodium	221	N	7	2.9	mg/Kg	03/11/14	LK	SW6010	B
Nickel	7.47		0.33	0.13	mg/Kg	03/11/14	LK	SW6010	
Lead	4.1		0.7	0.20	mg/Kg	03/11/14	LK	SW6010	
Antimony	< 1.7		1.7	1.7	mg/Kg	03/11/14	LK	SW6010	
Selenium	< 1.3		1.3	1.1	mg/Kg	03/11/14	LK	SW6010	
Thallium	< 1.3		1.3	1.3	mg/Kg	03/11/14	LK	SW6010	
Vanadium	24.3		0.3	0.13	mg/Kg	03/11/14	LK	SW6010	
Zinc	17.3		0.7	0.33	mg/Kg	03/11/14	LK	SW6010	
Percent Solid	97				%	03/07/14	I	E160.3	
Soil Extraction for PCB	Completed					03/07/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					03/07/14	BB	SW3545	
Soil Extraction for SVOA	Completed					03/07/14	SB/FV	SW3545	
Mercury Digestion	Completed					03/10/14	I/I	SW7471	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 13-15

Phoenix I.D.: BG17002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/07/14	AG/W	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1221	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1232	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1242	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1248	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1254	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1260	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1262	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
PCB-1268	ND	33	33	ug/Kg	03/07/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	89			%	03/07/14	AW	30 - 150 %
% TCMX	72			%	03/07/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/12/14	CE	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
a-Chlordane	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Chlordane	ND	20	20	ug/Kg	03/12/14	CE	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Endosulfan II	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Endosulfan sulfate	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Endrin aldehyde	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
g-Chlordane	ND	3.3	3.3	ug/Kg	03/12/14	CE	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/12/14	CE	SW8081
Methoxychlor	ND	6.7	6.7	ug/Kg	03/12/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	03/12/14	CE	SW8081
QA/QC Surrogates							
% DCBP	92			%	03/12/14	CE	30 - 150 %
% TCMX	82			%	03/12/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	0.84	ug/Kg	03/09/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	03/09/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1	0.50	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	03/09/14	JLI	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	03/09/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 13-15

Phoenix I.D.: BG17002

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.1	0.99	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.1	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.1	0.72	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.1	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.1	0.73	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.1	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.1	0.56	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.1	0.45	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.1	0.72	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.1	0.67	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.1	0.76	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.1	0.54	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.1	0.81	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.1	0.86	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND		5.1	0.82	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.1	0.70	ug/Kg	03/09/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.1	0.59	ug/Kg	03/09/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		5.1	1.0	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		5.1	0.66	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		5.1	0.75	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		5.1	0.63	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		5.1	0.71	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		5.1	3.9	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		5.1	0.83	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		5.1	0.76	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		5.1	1.2	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		5.1	0.93	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		5.1	2.7	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		5.1	0.57	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		5.1	0.64	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.1	1.4	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		5.1	0.93	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.1	1.1	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		5.1	0.98	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		5.1	2.0	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.4	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	1.1	J	5.1	0.84	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		5.1	1.4	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		5.1	0.93	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		5.1	0.92	ug/Kg	03/09/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.1	1.9	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.1	0.73	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND	5.1	0.96	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND	5.1	1.5	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND	5.1	0.82	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND	5.1	1.1	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.6	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND	5.1	0.81	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.1	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.1	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.5	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND	5.1	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.1	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.1	0.80	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND	5.1	1.7	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	101			%	03/09/14	JLI	59 - 113 %	
% Dibromofluoromethane	93			%	03/09/14	JLI	70 - 130 %	
% Toluene-d8	105			%	03/09/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	180	ug/Kg	03/09/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	84	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/09/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	96	ug/Kg	03/09/14	DD	SW 8270	
2-Chlorophenol	ND	240	96	ug/Kg	03/09/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/09/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	03/09/14	DD	SW 8270	
2-Nitrophenol	ND	240	210	ug/Kg	03/09/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	680	160	ug/Kg	03/09/14	DD	SW 8270	
3-Nitroaniline	ND	1700	730	ug/Kg	03/09/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	360	ug/Kg	03/09/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
4-Chloroaniline	ND	680	160	ug/Kg	03/09/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	03/09/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 13-15

Phoenix I.D.: BG17002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Acenaphthylene	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Aniline	ND	1700	680	ug/Kg	03/09/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzidine	ND	680	200	ug/Kg	03/09/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Benzoic acid	ND	1700	680	ug/Kg	03/09/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	87	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	93	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	91	ug/Kg	03/09/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	03/09/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	97	ug/Kg	03/09/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	03/09/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dibenzofuran	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Dimethylphthalate	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	90	ug/Kg	03/09/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	87	ug/Kg	03/09/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobenzene	ND	240	99	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/09/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Isophorone	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
Naphthalene	ND	240	97	ug/Kg	03/09/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	95	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/09/14	DD	SW 8270	
Phenanthrene	ND	240	97	ug/Kg	03/09/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/09/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/09/14	DD	SW 8270	
Pyridine	ND	240	83	ug/Kg	03/09/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	73			%	03/09/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	80			%	03/09/14	DD	30 - 115 %	
% 2-Fluorophenol	69			%	03/09/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 6 13-15

Phoenix I.D.: BG17002

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	03/09/14	DD	23 - 120 %
% Phenol-d5	74			%	03/09/14	DD	24 - 113 %
% Terphenyl-d14	87			%	03/09/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

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

Phyllis Shiller, Laboratory Director
March 19, 2014
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

March 19, 2014

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:		03/04/14	0:00
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG17003

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	03/04/14		E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	03/09/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	03/09/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	03/09/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	03/09/14	JLI	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	03/09/14	JLI	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG17003

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		1300	60	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		2500	250	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		500	140	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		250	50	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		250	33	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		250	37	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		250	31	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		250	35	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		250	190	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		250	37	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		250	59	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		250	46	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		250	130	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		250	32	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		250	67	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		250	53	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		250	99	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		1500	220	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	52	J	250	41	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		250	67	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		250	46	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		250	45	ug/Kg	03/09/14	JLI	SW8260	
o-Xylene	ND		250	96	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND		250	36	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND		250	47	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND		250	72	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND		250	40	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		500	230	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND		250	40	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		500	460	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND		250	53	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		250	39	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND		250	81	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	98				%	03/09/14	JLI	59 - 113 %	
% Dibromofluoromethane	96				%	03/09/14	JLI	70 - 130 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG17003

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	102			%	03/09/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

Trip blank included. %solids assumed 100%

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

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

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

Phyllis Shiller, Laboratory Director
March 19, 2014
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

March 19, 2014

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:		03/04/14	0:00
Location Code:	EBC	Received by:	SW	03/07/14	17:16
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG16999
Phoenix ID: BG17004

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	03/04/14		E160.3	
Field Extraction	Completed				03/04/14		SW5035	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	03/09/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	03/09/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/09/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	03/09/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	03/09/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	03/09/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	03/09/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	03/09/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	03/09/14	JLI	SW8260	
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	03/09/14	JLI	SW8260	
2-Hexanone	ND	25	2.3	ug/Kg	03/09/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	03/09/14	JLI	SW8260	1

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG17004

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.0	0.58	ug/Kg	03/09/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	03/09/14	JLI	SW8260	
Acetone	ND		50	5.0	ug/Kg	03/09/14	JLI	SW8260	
Acrylonitrile	ND		10	2.8	ug/Kg	03/09/14	JLI	SW8260	
Benzene	ND		5.0	0.99	ug/Kg	03/09/14	JLI	SW8260	
Bromobenzene	ND		5.0	0.65	ug/Kg	03/09/14	JLI	SW8260	
Bromochloromethane	ND		5.0	0.73	ug/Kg	03/09/14	JLI	SW8260	
Bromodichloromethane	ND		5.0	0.62	ug/Kg	03/09/14	JLI	SW8260	
Bromoform	ND		5.0	0.70	ug/Kg	03/09/14	JLI	SW8260	
Bromomethane	ND		5.0	3.9	ug/Kg	03/09/14	JLI	SW8260	
Carbon Disulfide	ND		5.0	0.81	ug/Kg	03/09/14	JLI	SW8260	
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	03/09/14	JLI	SW8260	
Chlorobenzene	ND		5.0	0.74	ug/Kg	03/09/14	JLI	SW8260	
Chloroethane	ND		5.0	1.2	ug/Kg	03/09/14	JLI	SW8260	
Chloroform	ND		5.0	0.91	ug/Kg	03/09/14	JLI	SW8260	
Chloromethane	ND		5.0	2.6	ug/Kg	03/09/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	03/09/14	JLI	SW8260	
Dibromochloromethane	ND		5.0	0.56	ug/Kg	03/09/14	JLI	SW8260	
Dibromomethane	ND		5.0	0.63	ug/Kg	03/09/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	03/09/14	JLI	SW8260	
Ethylbenzene	ND		5.0	0.91	ug/Kg	03/09/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
Isopropylbenzene	ND		5.0	0.96	ug/Kg	03/09/14	JLI	SW8260	
m&p-Xylene	ND		5.0	2.0	ug/Kg	03/09/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		30	4.3	ug/Kg	03/09/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/09/14	JLI	SW8260	
Methylene chloride	1.1	J	5.0	0.82	ug/Kg	03/09/14	JLI	SW8260	
Naphthalene	ND		5.0	1.3	ug/Kg	03/09/14	JLI	SW8260	
n-Butylbenzene	ND		5.0	0.91	ug/Kg	03/09/14	JLI	SW8260	
n-Propylbenzene	ND		5.0	0.90	ug/Kg	03/09/14	JLI	SW8260	
o-Xylene	ND		5.0	1.9	ug/Kg	03/09/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.0	0.72	ug/Kg	03/09/14	JLI	SW8260	
sec-Butylbenzene	ND		5.0	0.94	ug/Kg	03/09/14	JLI	SW8260	
Styrene	ND		5.0	1.4	ug/Kg	03/09/14	JLI	SW8260	
tert-Butylbenzene	ND		5.0	0.80	ug/Kg	03/09/14	JLI	SW8260	
Tetrachloroethene	ND		5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.5	ug/Kg	03/09/14	JLI	SW8260	1
Toluene	ND		5.0	0.79	ug/Kg	03/09/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	03/09/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.3	ug/Kg	03/09/14	JLI	SW8260	
Trichloroethene	ND		5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	03/09/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	03/09/14	JLI	SW8260	
Vinyl chloride	ND		5.0	1.6	ug/Kg	03/09/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	03/09/14	JLI	70 - 121 %	
% Bromofluorobenzene	99				%	03/09/14	JLI	59 - 113 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG17004

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	98			%	03/09/14	JLI	70 - 130 %
% Toluene-d8	103			%	03/09/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

Trip blank included. %solids assumed 100%

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.
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Phyllis Shiller, Laboratory Director
March 19, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBG16999 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG16999	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1300	240	1000	1000	ug/Kg
BG16999	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	240	1000	1000	ug/Kg
BG16999	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	240	1000	1000	ug/Kg
BG16999	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	240	1000	1000	ug/Kg
BG16999	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	240	1000	1000	ug/Kg
BG17001	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.36	0.07	0.18	0.18	mg/Kg
BG17001	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	72.2	0.7	63	63	mg/Kg
BG17003	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG17003	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG17003	$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BG17003	$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	52	250	50	50	ug/Kg
BG17003	$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG17003	$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG17003	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG17003	$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

March 19, 2014

SDG I.D.: GBG16999

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: csosik@ebeinc.com

WIC
IP

Customer: EBC
Address: Ridge NY

Project: BLOCK 3157 BKlyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 631 351 2000
Fax #:

Sampler's Signature: [signature] Date: 3-4

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCBs	TAL metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
160999	SB2 0-2	S	3-4	900	X	X	X	X					1	1				
17000	SB2 Bv15	↓	↓	930	↓	↓	↓	↓					1	1				
17001	SB6 0-2	↓	↓	1100	↓	↓	↓	↓					1	1				
17002	SB6 13-15	↓	↓	1130	↓	↓	↓	↓					1	1				
17003	hi triplblank				X							1						
17004	lo triplblank				X							2						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-7-14	9:36
[signature]	[signature]	3-7-14	17:16

Comments, Special Requirements or Regulations:

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

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

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, March 11, 2014

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

Project ID: BLOCK 3152 BKLYN NY
Sample ID#s: BG14846 - BG14853

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

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 11, 2014

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:	KW	02/28/14	9:00
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14846

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/05/14	LK	SW6010
Aluminum	4950		35	7.0	mg/Kg	03/05/14	LK	SW6010
Arsenic	3.8		0.7	0.70	mg/Kg	03/05/14	LK	SW6010
Barium	50.6		0.7	0.14	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.38	*	0.28	0.14	mg/Kg	03/05/14	LK	SW6010
Calcium	10400		3.5	3.2	mg/Kg	03/05/14	LK	SW6010
Cadmium	0.30	B*	0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Cobalt	7.38		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Chromium	11.6		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Copper	20.0		0.35	0.28	mg/kg	03/05/14	LK	SW6010
Iron	19400		35	35	mg/Kg	03/05/14	LK	SW6010
Mercury	0.73		0.06	0.03	mg/Kg	03/05/14	RS	SW-7471
Potassium	1200	N	7	2.7	mg/Kg	03/05/14	LK	SW6010
Magnesium	2910		3.5	0.21	mg/Kg	03/05/14	LK	SW6010
Manganese	425	N	3.5	1.4	mg/Kg	03/05/14	LK	SW6010
Sodium	941		7	3.0	mg/Kg	03/05/14	LK	SW6010
Nickel	11.3		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Lead	50.5		0.7	0.21	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/05/14	LK	SW6010
Vanadium	26.2		0.3	0.14	mg/Kg	03/05/14	LK	SW6010
Zinc	54.4		0.7	0.35	mg/Kg	03/05/14	LK	SW6010
Percent Solid	97				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 0-2

Phoenix I.D.: BG14846

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	101			%	03/05/14	AW	30 - 150 %
% TCMX	88			%	03/05/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	4.9	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	102			%	03/05/14	MH	30 - 150 %
% TCMX	87			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 0-2

Phoenix I.D.: BG14846

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.2	0.97	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.2	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.6	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	1.5	J	5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.6	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.2	0.80	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.2	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	94				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	103				%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	96				%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		240	190	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND		240	84	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	240	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND		1700	340	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		680	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND		1700	740	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	370	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND		680	160	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND		1700	110	ug/Kg	03/05/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
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Phoenix I.D.: BG14846

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	150	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND		240	95	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND		1700	690	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	240		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND		680	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	220	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	310		240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	130	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	120	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND		1700	680	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	88	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	94	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	92	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	95	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	300		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND		240	99	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	91	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	88	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	430		240	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND		240	99	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND		240	95	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	250		240	97	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	430		240	120	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND		240	84	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	66				%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	89				%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	71				%	03/05/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
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Phoenix I.D.: BG14846

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	85			%	03/05/14	DD	23 - 120 %
% Phenol-d5	73			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	91			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	9:20
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14847

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.21	mg/Kg	03/05/14	LK	SW6010
Aluminum	2610		34	6.9	mg/Kg	03/05/14	LK	SW6010
Arsenic	1.0		0.7	0.69	mg/Kg	03/05/14	LK	SW6010
Barium	23.5		0.7	0.14	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.20	B*	0.28	0.14	mg/Kg	03/05/14	LK	SW6010
Calcium	4240		3.4	3.2	mg/Kg	03/05/14	LK	SW6010
Cadmium	< 0.34	*	0.34	0.14	mg/Kg	03/05/14	LK	SW6010
Cobalt	3.56		0.34	0.14	mg/Kg	03/05/14	LK	SW6010
Chromium	6.93		0.34	0.14	mg/Kg	03/05/14	LK	SW6010
Copper	7.82		0.34	0.28	mg/kg	03/05/14	LK	SW6010
Iron	7520		3.4	3.4	mg/Kg	03/05/14	LK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	03/05/14	RS	SW-7471
Potassium	809	N	7	2.7	mg/Kg	03/05/14	LK	SW6010
Magnesium	3870		3.4	0.21	mg/Kg	03/05/14	LK	SW6010
Manganese	263	N	3.4	1.4	mg/Kg	03/05/14	LK	SW6010
Sodium	140		7	3.0	mg/Kg	03/05/14	LK	SW6010
Nickel	26.2		0.34	0.14	mg/Kg	03/05/14	LK	SW6010
Lead	2.3		0.7	0.21	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/05/14	LK	SW6010
Vanadium	10.6		0.3	0.14	mg/Kg	03/05/14	LK	SW6010
Zinc	12.5		0.7	0.34	mg/Kg	03/05/14	LK	SW6010
Percent Solid	98				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 13-15

Phoenix I.D.: BG14847

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	97			%	03/05/14	AW	30 - 150 %
% TCMX	88			%	03/05/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	6.7	6.7	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	101			%	03/05/14	MH	30 - 150 %
% TCMX	88			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 13-15

Phoenix I.D.: BG14847

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.83	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	0.98	JS	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND	5.2	0.97	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND	5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.6	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	ND	5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.6	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.80	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96			%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	104			%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	97			%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	230	94	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	230	98	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	230	98	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	230	180	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND	230	82	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	230	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND	230	94	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND	230	94	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND	230	99	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	230	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND	230	210	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	660	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND	1700	720	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	360	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	230	98	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND	660	150	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	03/05/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 15 13-15

Phoenix I.D.: BG14847

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND	230	93	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND	1700	670	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND	660	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND	1700	660	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	230	86	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	92	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	230	90	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	92	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	96	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND	1700	250	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND	230	97	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND	230	88	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND	230	86	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND	230	97	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND	230	93	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND	230	96	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	230	94	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	ND	230	95	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND	230	82	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	70			%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	76			%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	64			%	03/05/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
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Phoenix I.D.: BG14847

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	72			%	03/05/14	DD	23 - 120 %
% Phenol-d5	65			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	85			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	10:00
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14848

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32		0.32	0.19	mg/Kg	03/05/14	LK	SW6010
Aluminum	6800		32	6.4	mg/Kg	03/05/14	LK	SW6010
Arsenic	2.7		0.6	0.64	mg/Kg	03/05/14	LK	SW6010
Barium	80.1		0.6	0.13	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.49	*	0.26	0.13	mg/Kg	03/05/14	LK	SW6010
Calcium	4410		3.2	3.0	mg/Kg	03/05/14	LK	SW6010
Cadmium	0.43	*	0.32	0.13	mg/Kg	03/05/14	LK	SW6010
Cobalt	7.18		0.32	0.13	mg/Kg	03/05/14	LK	SW6010
Chromium	16.6		0.32	0.13	mg/Kg	03/05/14	LK	SW6010
Copper	25.0		0.32	0.26	mg/kg	03/05/14	LK	SW6010
Iron	28800		32	32	mg/Kg	03/05/14	LK	SW6010
Mercury	0.58		0.07	0.04	mg/Kg	03/05/14	RS	SW-7471
Potassium	1290	N	6	2.5	mg/Kg	03/05/14	LK	SW6010
Magnesium	2430		3.2	0.19	mg/Kg	03/05/14	LK	SW6010
Manganese	701	N	3.2	1.3	mg/Kg	03/05/14	LK	SW6010
Sodium	317		6	2.8	mg/Kg	03/05/14	LK	SW6010
Nickel	13.6		0.32	0.13	mg/Kg	03/05/14	LK	SW6010
Lead	43.6		0.6	0.19	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	03/05/14	LK	SW6010
Vanadium	38.1		0.3	0.13	mg/Kg	03/05/14	LK	SW6010
Zinc	59.1		0.6	0.32	mg/Kg	03/05/14	LK	SW6010
Percent Solid	95				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/05/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	98			%	03/05/14	AW	30 - 150 %
% TCMX	89			%	03/05/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	5.3	2.5	2.5	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	2.1	2.1	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	2.1	2.1	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	106			%	03/05/14	MH	30 - 150 %
% TCMX	90			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	03/05/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 0-2

Phoenix I.D.: BG14848

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.75	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.3	0.46	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.69	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.83	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.3	0.88	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.3	0.84	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		26	2.4	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.3	0.61	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.3	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.2	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.3	1.0	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.68	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.77	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.65	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.85	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.66	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.3	0.86	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.96	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.95	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.3	2.0	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.3	0.76	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.3	0.99	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.3	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.3	0.84	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.7	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	3.8	J	5.3	0.83	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	9.8	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.3	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.3	0.82	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.3	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	105				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	92				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	107				%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	96				%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		240	190	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND		240	86	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	240	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		240	140	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND		1700	350	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	140	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		690	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND		1700	750	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	370	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND		690	160	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND		1700	120	ug/Kg	03/05/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 0-2

Phoenix I.D.: BG14848

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND		1700	700	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	300		240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND		690	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	260		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	360		240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	150	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	140	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND		1700	690	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	89	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	93	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	350		240	120	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	89	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	550		240	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	120	J	240	110	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	380		240	99	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	540		240	120	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND		240	85	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	72				%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	82				%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	67				%	03/05/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 0-2

Phoenix I.D.: BG14848

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	77			%	03/05/14	DD	23 - 120 %
% Phenol-d5	69			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	78			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	10:20
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14849

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/05/14	LK	SW6010
Aluminum	2900		35	7.1	mg/Kg	03/05/14	LK	SW6010
Arsenic	1.0		0.7	0.71	mg/Kg	03/05/14	LK	SW6010
Barium	24.5		0.7	0.14	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.23	B*	0.28	0.14	mg/Kg	03/05/14	LK	SW6010
Calcium	1480		3.5	3.2	mg/Kg	03/05/14	LK	SW6010
Cadmium	0.17	B*	0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Cobalt	3.06		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Chromium	8.24		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Copper	10.4		0.35	0.28	mg/kg	03/05/14	LK	SW6010
Iron	11500		35	35	mg/Kg	03/05/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/05/14	RS	SW-7471
Potassium	536	N	7	2.8	mg/Kg	03/05/14	LK	SW6010
Magnesium	1750		3.5	0.21	mg/Kg	03/05/14	LK	SW6010
Manganese	262	N	3.5	1.4	mg/Kg	03/05/14	LK	SW6010
Sodium	179		71	30	mg/Kg	03/05/14	LK	SW6010
Nickel	8.92		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Lead	2.5		0.7	0.21	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/05/14	LK	SW6010
Vanadium	12.4		0.4	0.14	mg/Kg	03/05/14	LK	SW6010
Zinc	15.8		0.7	0.35	mg/Kg	03/05/14	LK	SW6010
Percent Solid	97				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 13-15

Phoenix I.D.: BG14849

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/05/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	03/05/14	AW	30 - 150 %
% TCMX	82			%	03/05/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	6.7	6.7	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	100			%	03/05/14	MH	30 - 150 %
% TCMX	88			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 4 13-15

Phoenix I.D.: BG14849

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	0.90	JS	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.2	0.97	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.2	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.6	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	1.5	J	5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.6	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.2	0.80	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.2	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	107				%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	96				%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		230	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		230	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		230	94	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		230	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		230	99	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		230	99	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		230	180	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		230	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND		230	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND		230	83	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	230	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		230	130	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		230	110	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND		230	95	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND		230	95	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND		230	99	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		230	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND		1700	340	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND		230	210	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		230	130	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		670	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND		1700	730	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	360	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		230	98	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		230	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND		670	160	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		230	110	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND		1700	110	ug/Kg	03/05/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
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Phoenix I.D.: BG14849

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND	230	93	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND	1700	670	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND	670	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND	1700	670	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	230	86	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	92	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	230	90	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	93	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	96	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND	1700	250	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND	230	97	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND	230	89	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND	230	86	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND	230	97	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND	230	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND	230	93	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND	230	96	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	230	94	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND	230	120	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND	230	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	ND	230	95	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	ND	230	110	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND	230	82	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	83			%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	69			%	03/05/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
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Phoenix I.D.: BG14849

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	03/05/14	DD	23 - 120 %
% Phenol-d5	70			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	91			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	11:00
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14850

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/05/14	LK	SW6010
Aluminum	7540		35	7.0	mg/Kg	03/05/14	LK	SW6010
Arsenic	2.3		0.7	0.70	mg/Kg	03/05/14	LK	SW6010
Barium	66.6		0.7	0.14	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.42	*	0.28	0.14	mg/Kg	03/05/14	LK	SW6010
Calcium	6730		3.5	3.2	mg/Kg	03/05/14	LK	SW6010
Cadmium	0.27	B*	0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Cobalt	6.01		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Chromium	18.1		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Copper	17.8		0.35	0.28	mg/kg	03/05/14	LK	SW6010
Iron	23400		35	35	mg/Kg	03/05/14	LK	SW6010
Mercury	0.99		0.08	0.05	mg/Kg	03/05/14	RS	SW-7471
Potassium	1270	N	7	2.7	mg/Kg	03/05/14	LK	SW6010
Magnesium	2290		3.5	0.21	mg/Kg	03/05/14	LK	SW6010
Manganese	446	N	3.5	1.4	mg/Kg	03/05/14	LK	SW6010
Sodium	194		7	3.0	mg/Kg	03/05/14	LK	SW6010
Nickel	12.7		0.35	0.14	mg/Kg	03/05/14	LK	SW6010
Lead	62.9		0.7	0.21	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/05/14	LK	SW6010
Vanadium	27.7		0.3	0.14	mg/Kg	03/05/14	LK	SW6010
Zinc	49.7		0.7	0.35	mg/Kg	03/05/14	LK	SW6010
Percent Solid	93				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 0-2

Phoenix I.D.: BG14850

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/06/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	50			%	03/06/14	AW	30 - 150 %
% TCMX	44			%	03/06/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	111			%	03/05/14	MH	30 - 150 %
% TCMX	97			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/05/14	JLI	SW8260

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 0-2

Phoenix I.D.: BG14850

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.3	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	0.99	JS	5.4	0.88	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.4	2.1	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.4	0.77	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.4	1.0	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.4	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.4	0.86	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.8	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	0.92	J	5.4	0.85	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.4	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.4	0.84	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.4	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	103				%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	97				%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		240	190	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND		240	86	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	240	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		240	140	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND		240	99	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND		240	99	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND		1700	350	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	140	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		690	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND		1700	760	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	370	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND		690	160	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND		1700	120	ug/Kg	03/05/14	DD	SW 8270	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 0-2

Phoenix I.D.: BG14850

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	160	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND		1700	700	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	120	J	240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND		690	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	130	J	240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND		1700	690	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		240	90	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		240	94	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	130	J	240	120	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND		240	90	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	250		240	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND		240	97	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	190	J	240	99	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	240	J	240	120	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND		240	85	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	67				%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	79				%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	66				%	03/05/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 0-2

Phoenix I.D.: BG14850

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	03/05/14	DD	23 - 120 %
% Phenol-d5	67			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	11:20
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14851

Project ID: BLOCK 3152 BKLYN NY
Client ID: SB 5 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.31		0.31	0.19	mg/Kg	03/05/14	LK	SW6010
Aluminum	2710		31	6.2	mg/Kg	03/05/14	LK	SW6010
Arsenic	< 0.6		0.6	0.62	mg/Kg	03/05/14	LK	SW6010
Barium	27.6		0.6	0.12	mg/Kg	03/05/14	LK	SW6010
Beryllium	0.28	*	0.25	0.12	mg/Kg	03/05/14	LK	SW6010
Calcium	883		3.1	2.9	mg/Kg	03/05/14	LK	SW6010
Cadmium	0.32	*	0.31	0.12	mg/Kg	03/05/14	LK	SW6010
Cobalt	4.49		0.31	0.12	mg/Kg	03/05/14	LK	SW6010
Chromium	9.40		0.31	0.12	mg/Kg	03/05/14	LK	SW6010
Copper	10.9		0.31	0.25	mg/kg	03/05/14	LK	SW6010
Iron	24600		31	31	mg/Kg	03/05/14	LK	SW6010
Mercury	< 0.06		0.06	0.03	mg/Kg	03/05/14	RS	SW-7471
Potassium	561	N	6	2.4	mg/Kg	03/05/14	LK	SW6010
Magnesium	1060		3.1	0.19	mg/Kg	03/05/14	LK	SW6010
Manganese	529	N	3.1	1.2	mg/Kg	03/05/14	LK	SW6010
Sodium	109		6	2.7	mg/Kg	03/05/14	LK	SW6010
Nickel	6.74		0.31	0.12	mg/Kg	03/05/14	LK	SW6010
Lead	4.1		0.6	0.19	mg/Kg	03/05/14	LK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	03/05/14	LK	SW6010
Selenium	< 1.2		1.2	1.1	mg/Kg	03/05/14	LK	SW6010
Thallium	< 1.2		1.2	1.2	mg/Kg	03/05/14	LK	SW6010
Vanadium	20.0		0.3	0.12	mg/Kg	03/05/14	LK	SW6010
Zinc	15.3		0.6	0.31	mg/Kg	03/05/14	LK	SW6010
Percent Solid	97				%	03/04/14	I	E160.3
Soil Extraction for PCB	Completed					03/04/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					03/04/14	BB	SW3545
Soil Extraction for SVOA	Completed					03/04/14	BJ/FV	SW3545
Mercury Digestion	Completed					03/05/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/04/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/06/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	48			%	03/06/14	AW	30 - 150 %
% TCMX	42			%	03/06/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	104			%	03/05/14	MH	30 - 150 %
% TCMX	91			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.73	ug/Kg	03/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/05/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/05/14	JLI	SW8260

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Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.45	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.73	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.68	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.87	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.71	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.1	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.67	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.75	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.64	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.2	0.72	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.76	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.65	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	0.99	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.2	0.85	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.94	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.93	ug/Kg	03/05/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.2	2.0	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.2	0.74	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.2	0.97	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.2	1.5	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.2	0.82	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.6	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	2.5	J	5.2	0.81	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.2	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.6	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.2	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.2	0.80	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.2	1.7	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	106				%	03/05/14	JLI	70 - 130 %	
% Toluene-d8	95				%	03/05/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		240	95	ug/Kg	03/05/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		240	190	ug/Kg	03/05/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dichlorophenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dimethylphenol	ND		240	84	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	240	ug/Kg	03/05/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
2-Chloronaphthalene	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
2-Chlorophenol	ND		240	96	ug/Kg	03/05/14	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	03/05/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	03/05/14	DD	SW 8270	
2-Nitroaniline	ND		1700	340	ug/Kg	03/05/14	DD	SW 8270	
2-Nitrophenol	ND		240	210	ug/Kg	03/05/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	130	ug/Kg	03/05/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		680	160	ug/Kg	03/05/14	DD	SW 8270	
3-Nitroaniline	ND		1700	740	ug/Kg	03/05/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	360	ug/Kg	03/05/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	99	ug/Kg	03/05/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	03/05/14	DD	SW 8270	
4-Chloroaniline	ND		680	160	ug/Kg	03/05/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	110	ug/Kg	03/05/14	DD	SW 8270	
4-Nitroaniline	ND		1700	110	ug/Kg	03/05/14	DD	SW 8270	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/05/14	DD	SW 8270	
Acenaphthylene	ND	240	95	ug/Kg	03/05/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Aniline	ND	1700	680	ug/Kg	03/05/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzidine	ND	680	200	ug/Kg	03/05/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	03/05/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Benzoic acid	ND	1700	680	ug/Kg	03/05/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	87	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	93	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	91	ug/Kg	03/05/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	03/05/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	97	ug/Kg	03/05/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	03/05/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Dibenzofuran	ND	240	99	ug/Kg	03/05/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Dimethylphthalate	ND	240	100	ug/Kg	03/05/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	90	ug/Kg	03/05/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	87	ug/Kg	03/05/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobenzene	ND	240	99	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/05/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	03/05/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/05/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Isophorone	ND	240	95	ug/Kg	03/05/14	DD	SW 8270	
Naphthalene	ND	240	97	ug/Kg	03/05/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	95	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	03/05/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/05/14	DD	SW 8270	
Phenanthrene	ND	240	97	ug/Kg	03/05/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/05/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/05/14	DD	SW 8270	
Pyridine	ND	240	83	ug/Kg	03/05/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	59			%	03/05/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	76			%	03/05/14	DD	30 - 115 %	
% 2-Fluorophenol	58			%	03/05/14	DD	25 - 121 %	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	71			%	03/05/14	DD	23 - 120 %
% Phenol-d5	60			%	03/05/14	DD	24 - 113 %
% Terphenyl-d14	86			%	03/05/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 11, 2014
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

March 11, 2014

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:	KW	02/28/14	0:00
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14852

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100			%	03/04/14	I	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	03/05/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	03/05/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	03/05/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	03/05/14	JLI	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	03/05/14	JLI	SW8260	

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG14852

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		1300	60	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		2500	250	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		500	140	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		250	50	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		250	33	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		250	37	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		250	31	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		250	35	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		250	190	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		250	37	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		250	59	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		250	46	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		250	130	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		250	32	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		250	67	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		250	53	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		250	99	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		1500	220	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	47	JS	250	41	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		250	67	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		250	46	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		250	45	ug/Kg	03/05/14	JLI	SW8260	
o-Xylene	ND		250	96	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		250	36	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		250	47	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		250	72	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		250	40	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		500	230	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	ND		250	40	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		500	460	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		250	53	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		250	39	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		250	81	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/05/14	JLI	59 - 113 %	
% Dibromofluoromethane	101				%	03/05/14	JLI	70 - 130 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG14852

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	97			%	03/05/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

100% Solid Assumed

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

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Phyllis Shiller, Laboratory Director
March 11, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 11, 2014

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:	KW	02/28/14	0:00
Location Code:	EBC	Received by:	SW	03/04/14	14:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14846
Phoenix ID: BG14853

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	02/28/14		E160.3	
Field Extraction	Completed				02/28/14		SW5035	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	03/05/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	03/05/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/05/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	03/05/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	03/05/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	03/05/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	03/05/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	03/05/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	03/05/14	JLI	SW8260	
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	03/05/14	JLI	SW8260	
2-Hexanone	ND	25	2.3	ug/Kg	03/05/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	03/05/14	JLI	SW8260	1

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG14853

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.0	0.58	ug/Kg	03/05/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	03/05/14	JLI	SW8260	
Acetone	ND		50	5.0	ug/Kg	03/05/14	JLI	SW8260	
Acrylonitrile	ND		10	2.8	ug/Kg	03/05/14	JLI	SW8260	
Benzene	ND		5.0	0.99	ug/Kg	03/05/14	JLI	SW8260	
Bromobenzene	ND		5.0	0.65	ug/Kg	03/05/14	JLI	SW8260	
Bromochloromethane	ND		5.0	0.73	ug/Kg	03/05/14	JLI	SW8260	
Bromodichloromethane	ND		5.0	0.62	ug/Kg	03/05/14	JLI	SW8260	
Bromoform	ND		5.0	0.70	ug/Kg	03/05/14	JLI	SW8260	
Bromomethane	ND		5.0	3.9	ug/Kg	03/05/14	JLI	SW8260	
Carbon Disulfide	ND		5.0	0.81	ug/Kg	03/05/14	JLI	SW8260	
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	03/05/14	JLI	SW8260	
Chlorobenzene	ND		5.0	0.74	ug/Kg	03/05/14	JLI	SW8260	
Chloroethane	ND		5.0	1.2	ug/Kg	03/05/14	JLI	SW8260	
Chloroform	ND		5.0	0.91	ug/Kg	03/05/14	JLI	SW8260	
Chloromethane	ND		5.0	2.6	ug/Kg	03/05/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	03/05/14	JLI	SW8260	
Dibromochloromethane	ND		5.0	0.56	ug/Kg	03/05/14	JLI	SW8260	
Dibromomethane	ND		5.0	0.63	ug/Kg	03/05/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	03/05/14	JLI	SW8260	
Ethylbenzene	ND		5.0	0.91	ug/Kg	03/05/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
Isopropylbenzene	ND		5.0	0.96	ug/Kg	03/05/14	JLI	SW8260	
m&p-Xylene	ND		5.0	2.0	ug/Kg	03/05/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		30	4.3	ug/Kg	03/05/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/05/14	JLI	SW8260	
Methylene chloride	0.99	J	5.0	0.82	ug/Kg	03/05/14	JLI	SW8260	
Naphthalene	ND		5.0	1.3	ug/Kg	03/05/14	JLI	SW8260	
n-Butylbenzene	ND		5.0	0.91	ug/Kg	03/05/14	JLI	SW8260	
n-Propylbenzene	ND		5.0	0.90	ug/Kg	03/05/14	JLI	SW8260	
o-Xylene	ND		5.0	1.9	ug/Kg	03/05/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.0	0.72	ug/Kg	03/05/14	JLI	SW8260	
sec-Butylbenzene	ND		5.0	0.94	ug/Kg	03/05/14	JLI	SW8260	
Styrene	ND		5.0	1.4	ug/Kg	03/05/14	JLI	SW8260	
tert-Butylbenzene	ND		5.0	0.80	ug/Kg	03/05/14	JLI	SW8260	
Tetrachloroethene	ND		5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		10	4.5	ug/Kg	03/05/14	JLI	SW8260	1
Toluene	ND		5.0	0.79	ug/Kg	03/05/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	03/05/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.3	ug/Kg	03/05/14	JLI	SW8260	
Trichloroethene	ND		5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	03/05/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	03/05/14	JLI	SW8260	
Vinyl chloride	ND		5.0	1.6	ug/Kg	03/05/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	97				%	03/05/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/05/14	JLI	59 - 113 %	

Project ID: BLOCK 3152 BKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG14853

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	100			%	03/05/14	JLI	70 - 130 %
% Toluene-d8	96			%	03/05/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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Phyllis Shiller, Laboratory Director
March 11, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBG14846 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14846	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.9	2.4	3.3	3.3	ug/Kg
BG14846	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.73	0.06	0.18	0.18	mg/Kg
BG14848	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.3	2.5	3.3	3.3	ug/Kg
BG14848	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.58	0.07	0.18	0.18	mg/Kg
BG14850	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.99	0.08	0.81	0.81	mg/Kg
BG14850	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.99	0.08	0.81	0.81	mg/Kg
BG14850	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.99	0.08	0.18	0.18	mg/Kg
BG14852	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG14852	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG14852	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG14852	$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BG14852	$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG14852	$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG14852	$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

March 11, 2014

SDG I.D.: GBG14846

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

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4°C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

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

Client Services (860) 645-8726

Data Delivery:
- [ ] Fax #:
- [x] Email: usosik@ebcinc.ny.com

NLCIP

Customer: EBC
Address: Ridge NY

Project: Block 3152 Bklyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 631 504 6000
Fax #:

Sampler's Signature: [signature] Date: 2·28·14

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCB	TAL Metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
14846	SB15 0-2	S	2·28	9:00	x	x	x	x					1	1				
14847	SB15 13-15	↓	↓	9:20	↓	↓	↓	↓					↓	↓				
14848	SB4 0-2			10:00														
14849	SB4 13-15			10:20														
14850	SB5 0-2			11:00	↓	↓	↓	↓					↓	↓				
14851	SB5 13-15			11:20	x	x	x	x					1	1				
14852	hi trip blank				x								1					
14853	lo trip blank				x								2					

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-7-14	10:10
[signature]	TRANSITCOURIER	3-4-14	14:12

Comments, Special Requirements or Regulations:

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

* SURCHARGE APPLIES

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

NY
- [ ] TOGS GA GW
- [ ] CP-51 Soil
- [x] NY375 Unrestricted Soil
- [x] NY375 Residential Soil
- [x] NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, March 10, 2014

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

Project ID: BLOCK 3152 BRKLYN NY
Sample ID#s: BG14304 - BG14325

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	7:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14304

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/03/14	LK	SW6010
Aluminum	10100		35	6.9	mg/Kg	03/03/14	LK	SW6010
Arsenic	8.3	*	0.7	0.69	mg/Kg	03/03/14	LK	SW6010
Barium	179		0.7	0.14	mg/Kg	03/03/14	LK	SW6010
Beryllium	0.52		0.28	0.14	mg/Kg	03/03/14	LK	SW6010
Calcium	23200		35	32	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.87		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Cobalt	6.21		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Chromium	16.6		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Copper	92.7		0.35	0.28	mg/kg	03/03/14	LK	SW6010
Iron	23600		35	35	mg/Kg	03/03/14	LK	SW6010
Mercury	1.09		0.08	0.05	mg/Kg	03/03/14	RS	SW-7471
Potassium	838	N	7	2.7	mg/Kg	03/03/14	LK	SW6010
Magnesium	2200		3.5	0.21	mg/Kg	03/03/14	LK	SW6010
Manganese	345	N	3.5	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	518	N	7	3.0	mg/Kg	03/03/14	LK	SW6010
Nickel	13.7		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Lead	208		6.9	2.1	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/03/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/03/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/03/14	LK	SW6010
Vanadium	27.5		0.3	0.14	mg/Kg	03/03/14	LK	SW6010
Zinc	1160		6.9	3.5	mg/Kg	03/03/14	LK	SW6010
Percent Solid	87				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	JJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	JJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 0-2

Phoenix I.D.: BG14304

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	109			%	03/01/14	AW	30 - 150 %
% TCMX	76			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	27	27	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	27	27	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	27	27	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	19	19	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	19	19	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	220	220	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	19	19	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	19	19	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	37	37	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	19	19	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	220	220	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	1900	1900	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	03/05/14	MH	30 - 150 %
% TCMX	Diluted Out			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	0.95	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.82	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 0-2

Phoenix I.D.: BG14304

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.8	0.82	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.8	0.84	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.8	1.6	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.8	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.8	0.64	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.8	0.51	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.8	0.82	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.8	0.77	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.8	0.86	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.8	0.62	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.8	0.92	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.8	0.98	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND		5.8	0.93	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.8	0.80	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.8	0.67	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND		50	5.8	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND		12	3.3	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND		5.8	0.75	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND		5.8	0.85	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND		5.8	0.72	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND		5.8	0.81	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND		5.8	4.5	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND		5.8	0.94	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND		5.8	0.67	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND		5.8	0.86	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND		5.8	1.4	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND		5.8	3.0	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.8	1.3	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.8	0.63	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND		5.8	0.65	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND		5.8	0.73	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.8	1.5	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND		5.8	2.3	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		35	5.0	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.8	0.95	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND		5.8	1.6	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND		5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND		5.8	1.0	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.8	2.2	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.8	1.7	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.8	0.92	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.8	1.9	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	114			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	74			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	105			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	95			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	130	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	94	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	520	270	110	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1900	830	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	760	180	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 0-2

Phoenix I.D.: BG14304

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1900	170	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	1200		270	120	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	300		270	110	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND		1900	770	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	3500		270	120	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	7300		270	130	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND		760	220	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	5900		270	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	7400		270	130	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	2400		270	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	2700		270	130	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND		1900	760	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		270	98	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	100	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		270	100	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	2500		1900	290	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	6900		270	130	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	230	J	270	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	1200		270	110	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND		270	100	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND		270	98	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	22000		270	120	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	1600		270	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	2400		270	130	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	880		270	110	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND		270	130	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND		270	140	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND		270	140	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	18000		270	110	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	19000		270	130	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND		270	93	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	81				%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	93				%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	82				%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 0-2

Phoenix I.D.: BG14304

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	03/02/14	DD	23 - 120 %
% Phenol-d5	80			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	114			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	7:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14305

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/03/14	LK	SW6010
Aluminum	8270		35	7.0	mg/Kg	03/03/14	LK	SW6010
Arsenic	3.2	*	0.7	0.70	mg/Kg	03/03/14	LK	SW6010
Barium	63.7		0.7	0.14	mg/Kg	03/03/14	LK	SW6010
Beryllium	0.61		0.28	0.14	mg/Kg	03/03/14	LK	SW6010
Calcium	718		3.5	3.2	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.27	B	0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Cobalt	7.44		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Chromium	19.7		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Copper	19.8		0.35	0.28	mg/kg	03/03/14	LK	SW6010
Iron	23600		35	35	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1670	N	7	2.7	mg/Kg	03/03/14	LK	SW6010
Magnesium	2090		3.5	0.21	mg/Kg	03/03/14	LK	SW6010
Manganese	747	N	3.5	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	95	N	7	3.0	mg/Kg	03/03/14	LK	SW6010
Nickel	14.3		0.35	0.14	mg/Kg	03/03/14	LK	SW6010
Lead	6.6		0.7	0.21	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/03/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/03/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/03/14	LK	SW6010
Vanadium	34.4		0.3	0.14	mg/Kg	03/03/14	LK	SW6010
Zinc	30.3		0.7	0.35	mg/Kg	03/03/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	JJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	JJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 13-15

Phoenix I.D.: BG14305

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	81			%	03/01/14	AW	30 - 150 %
% TCMX	80			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	106			%	03/03/14	MH	30 - 150 %
% TCMX	103			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 13-15

Phoenix I.D.: BG14305

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5	0.78	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	0.79	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5	0.60	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5	0.48	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5	0.78	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5	0.81	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5	0.58	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5	0.87	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5	0.92	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5	0.88	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	27	2.5	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5	0.76	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.5	0.64	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.5	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.5	0.71	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.5	0.80	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.5	0.68	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.5	0.77	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.5	4.2	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.5	0.89	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.5	0.81	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.5	1.3	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.5	2.9	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.5	0.59	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.5	0.69	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.5	0.90	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.5	0.99	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	84			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	91			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	95			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 13-15

Phoenix I.D.: BG14305

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	92	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	250	88	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	74			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	88			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	77			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 18 13-15

Phoenix I.D.: BG14305

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	03/02/14	DD	23 - 120 %
% Phenol-d5	78			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	105			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	7:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14306

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.23	mg/Kg	03/03/14	LK	SW6010
Aluminum	6130		38	7.5	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.7	*	0.8	0.75	mg/Kg	03/03/14	LK	SW6010
Barium	72.5		0.8	0.15	mg/Kg	03/03/14	LK	SW6010
Beryllium	0.41		0.30	0.15	mg/Kg	03/03/14	LK	SW6010
Calcium	5260		3.8	3.5	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.31	B	0.38	0.15	mg/Kg	03/03/14	LK	SW6010
Cobalt	5.59		0.38	0.15	mg/Kg	03/03/14	LK	SW6010
Chromium	14.9		0.38	0.15	mg/Kg	03/03/14	LK	SW6010
Copper	19.1		0.38	0.30	mg/kg	03/03/14	LK	SW6010
Iron	19000		38	38	mg/Kg	03/03/14	LK	SW6010
Mercury	0.18		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	994	N	8	2.9	mg/Kg	03/03/14	LK	SW6010
Magnesium	1790		3.8	0.23	mg/Kg	03/03/14	LK	SW6010
Manganese	437	N	3.8	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	295	N	8	3.2	mg/Kg	03/03/14	LK	SW6010
Nickel	12.6		0.38	0.15	mg/Kg	03/03/14	LK	SW6010
Lead	161		7.5	2.3	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	03/03/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	03/03/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/03/14	LK	SW6010
Vanadium	30.1		0.4	0.15	mg/Kg	03/03/14	LK	SW6010
Zinc	67.8		0.8	0.38	mg/Kg	03/03/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 0-2

Phoenix I.D.: BG14306

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	76			%	03/01/14	AW	30 - 150 %
% TCMX	72			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	5.1	5.1	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	11	11	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	104			%	03/03/14	MH	30 - 150 %
% TCMX	93			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	03/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	03/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 0-2

Phoenix I.D.: BG14306

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.5	0.79	ug/Kg	03/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.5	0.80	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.61	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.49	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.79	ug/Kg	03/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	03/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.82	ug/Kg	03/04/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.59	ug/Kg	03/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.88	ug/Kg	03/04/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.93	ug/Kg	03/04/14	JLI	SW8260	
2-Chlorotoluene	ND		5.5	0.89	ug/Kg	03/04/14	JLI	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	03/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.5	0.77	ug/Kg	03/04/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	03/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	03/04/14	JLI	SW8260	
Acetone	21	JS	50	5.5	ug/Kg	03/04/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/04/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
Bromobenzene	ND		5.5	0.72	ug/Kg	03/04/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.81	ug/Kg	03/04/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.69	ug/Kg	03/04/14	JLI	SW8260	
Bromoform	ND		5.5	0.78	ug/Kg	03/04/14	JLI	SW8260	
Bromomethane	ND		5.5	4.3	ug/Kg	03/04/14	JLI	SW8260	
Carbon Disulfide	1.3	J	5.5	0.90	ug/Kg	03/04/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	03/04/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.82	ug/Kg	03/04/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	03/04/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	03/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.60	ug/Kg	03/04/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	03/04/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.70	ug/Kg	03/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	03/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	03/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/04/14	JLI	SW8260	
Methylene chloride	1.5	JS	5.5	0.91	ug/Kg	03/04/14	JLI	SW8260	
Naphthalene	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
n-Propylbenzene	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	03/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.80	ug/Kg	03/04/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	03/04/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.89	ug/Kg	03/04/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	03/04/14	JLI	SW8260	1
Toluene	ND	5.5	0.88	ug/Kg	03/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/04/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.87	ug/Kg	03/04/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	03/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	03/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	81			%	03/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	98			%	03/04/14	JLI	70 - 130 %	
% Toluene-d8	91			%	03/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 0-2

Phoenix I.D.: BG14306

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND		250	99	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	270		250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	250		250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	410		250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	120	J	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	300		250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	570		250	120	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND		250	99	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	250		250	100	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	480		250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77				%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	86				%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	82				%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 0-2

Phoenix I.D.: BG14306

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	03/02/14	DD	23 - 120 %
% Phenol-d5	80			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	97			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	8:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14307

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	03/04/14	LK	SW6010
Aluminum	4100		34	6.8	mg/Kg	03/03/14	LK	SW6010
Arsenic	0.9	*	0.7	0.68	mg/Kg	03/04/14	LK	SW6010
Barium	24.0		0.7	0.14	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.29		0.27	0.14	mg/Kg	03/04/14	LK	SW6010
Calcium	892		3.4	3.1	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.16	B	0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Cobalt	3.64		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Chromium	11.4		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Copper	8.46		0.34	0.27	mg/kg	03/04/14	LK	SW6010
Iron	13100		34	34	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	865	N	7	2.7	mg/Kg	03/04/14	LK	SW6010
Magnesium	1640		3.4	0.20	mg/Kg	03/04/14	LK	SW6010
Manganese	234	N	3.4	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	77	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Nickel	7.67		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Lead	3.8		0.7	0.20	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/04/14	LK	SW6010
Vanadium	15.2		0.3	0.14	mg/Kg	03/04/14	LK	SW6010
Zinc	28.5		0.7	0.34	mg/Kg	03/04/14	LK	SW6010
Percent Solid	93				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	JJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	JJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 13-15

Phoenix I.D.: BG14307

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	76			%	03/01/14	AW	30 - 150 %
% TCMX	86			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	92			%	03/03/14	MH	30 - 150 %
% TCMX	93			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 13-15

Phoenix I.D.: BG14307

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.4	0.48	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.4	0.72	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.4	0.91	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.4	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.4	4.2	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.4	0.61	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	33	4.7	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.4	0.89	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	85			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	89			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	95			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	87	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	160	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1800	350	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	170	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1800	760	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 13-15

Phoenix I.D.: BG14307

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1800	710	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	700	210	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1800	700	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	90	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	97	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	93	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	90	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	250	86	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	82			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	89			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	84			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 16 13-15

Phoenix I.D.: BG14307

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	03/02/14	DD	23 - 120 %
% Phenol-d5	83			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	111			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	8:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14308

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.23	mg/Kg	03/04/14	LK	SW6010
Aluminum	7300		38	7.6	mg/Kg	03/03/14	LK	SW6010
Arsenic	3.5	*	0.8	0.76	mg/Kg	03/04/14	LK	SW6010
Barium	54.7		0.8	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.35		0.30	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	17900		38	35	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.26	B	0.38	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	6.74		0.38	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	16.3		0.38	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	50.5		0.38	0.30	mg/kg	03/04/14	LK	SW6010
Iron	19100		38	38	mg/Kg	03/03/14	LK	SW6010
Mercury	0.61		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1280	N	8	3.0	mg/Kg	03/04/14	LK	SW6010
Magnesium	6420		38	2.3	mg/Kg	03/03/14	LK	SW6010
Manganese	286	N	3.8	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	403	N	8	3.3	mg/Kg	03/04/14	LK	SW6010
Nickel	16.5		0.38	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	57.9		0.8	0.23	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	40.2		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	55.9		0.8	0.38	mg/Kg	03/04/14	LK	SW6010
Percent Solid	93				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 0-2

Phoenix I.D.: BG14308

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	70	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	03/01/14	AW	30 - 150 %
% TCMX	86			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	26	26	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	26	26	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	26	26	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	210	210	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	71	71	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	1800	1800	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	03/05/14	MH	30 - 150 %
% TCMX	Diluted Out			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 0-2

Phoenix I.D.: BG14308

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	270	54	ug/Kg	03/04/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	270	38	ug/Kg	03/04/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	270	54	ug/Kg	03/04/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	270	39	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	270	72	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	270	30	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.4	0.47	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	270	35	ug/Kg	03/04/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	270	40	ug/Kg	03/04/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.4	0.57	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	270	42	ug/Kg	03/04/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.4	0.90	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	270	43	ug/Kg	03/04/14	JLI	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	270	37	ug/Kg	03/04/14	JLI	SW8260	1
4-Chlorotoluene	ND	270	31	ug/Kg	03/04/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.3	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	270	35	ug/Kg	03/04/14	JLI	SW8260	
Bromochloromethane	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.4	4.1	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	270	56	ug/Kg	03/04/14	JLI	SW8260	
Isopropylbenzene	ND	270	52	ug/Kg	03/04/14	JLI	SW8260	
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.7	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	270	72	ug/Kg	03/04/14	JLI	SW8260	
n-Butylbenzene	ND	270	49	ug/Kg	03/04/14	JLI	SW8260	
n-Propylbenzene	ND	270	48	ug/Kg	03/04/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	270	39	ug/Kg	03/04/14	JLI	SW8260	
sec-Butylbenzene	ND	270	51	ug/Kg	03/04/14	JLI	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	270	43	ug/Kg	03/04/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	540	500	ug/Kg	03/04/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	03/04/14	JLI	70 - 121 %	
% Bromofluorobenzene	97			%	03/04/14	JLI	59 - 113 %	
% Dibromofluoromethane	94			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	87			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	490	250	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	490	210	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	490	200	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	490	230	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	490	210	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	490	210	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	490	390	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	490	220	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	490	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	490	170	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	3500	490	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	490	280	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	490	220	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	490	200	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	490	200	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	490	210	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	330(J)	330	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	3500	710	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	490	450	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	490	280	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	1400	330	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	3500	1500	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	3500	760	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	490	210	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	490	250	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	1400	330	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	490	240	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	3500	230	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 0-2

Phoenix I.D.: BG14308

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		3500	320	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND		490	210	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		490	200	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		490	220	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		3500	1400	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND		490	230	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	790		490	240	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		1400	410	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	760		490	230	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	1000		490	240	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND		490	230	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	330	J	490	230	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		3500	1400	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		490	180	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		490	190	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		490	190	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		490	200	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		490	200	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND		3500	530	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	840		490	240	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		330	230	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND		490	210	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		490	220	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		490	220	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		490	190	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		490	180	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	940		490	230	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND		490	230	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		490	210	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		490	250	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		490	220	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		490	210	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		490	230	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		490	200	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	220	J	490	200	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		490	250	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		490	200	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		490	230	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		490	270	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		490	260	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		490	270	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	860		490	200	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		330	220	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	1100		490	240	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		490	170	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	71				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	75				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	72				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 0-2

Phoenix I.D.: BG14308

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	67			%	03/03/14	DD	23 - 120 %
% Phenol-d5	69			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	74			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	8:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14309

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	03/04/14	LK	SW6010
Aluminum	2920		33	6.7	mg/Kg	03/03/14	LK	SW6010
Arsenic	0.7	B*	0.7	0.67	mg/Kg	03/04/14	LK	SW6010
Barium	27.3		0.7	0.13	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.34		0.27	0.13	mg/Kg	03/04/14	LK	SW6010
Calcium	733		3.3	3.1	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.46		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Cobalt	3.72		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Chromium	9.43		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Copper	9.55		0.33	0.27	mg/kg	03/04/14	LK	SW6010
Iron	32800		33	33	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	546	N	7	2.6	mg/Kg	03/04/14	LK	SW6010
Magnesium	1130		3.3	0.20	mg/Kg	03/04/14	LK	SW6010
Manganese	690	N	3.3	1.3	mg/Kg	03/03/14	LK	SW6010
Sodium	70	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Nickel	6.99		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Lead	4.0		0.7	0.20	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	03/04/14	LK	SW6010
Vanadium	22.4		0.3	0.13	mg/Kg	03/04/14	LK	SW6010
Zinc	17.7		0.7	0.33	mg/Kg	03/04/14	LK	SW6010
Percent Solid	96				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 13-15

Phoenix I.D.: BG14309

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	81			%	03/01/14	AW	30 - 150 %
% TCMX	92			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	97			%	03/03/14	MH	30 - 150 %
% TCMX	97			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 13-15

Phoenix I.D.: BG14309

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3	0.75	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	0.76	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3	0.46	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	0.69	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3	0.83	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3	0.88	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3	0.84	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	26	2.4	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.3	0.61	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	26	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.2	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.3	1.0	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.3	0.68	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.3	0.77	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.3	0.65	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.3	0.74	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.3	4.1	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.3	0.85	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.3	0.61	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.3	0.78	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.3	1.2	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.3	0.96	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.3	2.8	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.3	0.59	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.3	0.66	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.3	0.96	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.3	1.0	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.3	2.1	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.3	0.86	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.3	1.4	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.3	0.96	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.3	0.95	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.3	0.83	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	88			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	94			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	93			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	03/02/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1700	700	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	690	200	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1700	690	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	89	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	93	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	92	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	89	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	240	85	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	80			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	89			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	82			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 17 13-15

Phoenix I.D.: BG14309

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	69			%	03/02/14	DD	23 - 120 %
% Phenol-d5	84			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	101			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	9:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14310

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	03/04/14	LK	SW6010
Aluminum	3750		33	6.6	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.5	*	0.7	0.66	mg/Kg	03/04/14	LK	SW6010
Barium	23.6		0.7	0.13	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.31		0.26	0.13	mg/Kg	03/04/14	LK	SW6010
Calcium	852		3.3	3.0	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.30	B	0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Cobalt	4.18		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Chromium	11.3		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Copper	12.7		0.33	0.26	mg/kg	03/04/14	LK	SW6010
Iron	14900		33	33	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	587	N	7	2.6	mg/Kg	03/04/14	LK	SW6010
Magnesium	1240		3.3	0.20	mg/Kg	03/04/14	LK	SW6010
Manganese	371	N	3.3	1.3	mg/Kg	03/03/14	LK	SW6010
Sodium	57	N	7	2.8	mg/Kg	03/04/14	LK	SW6010
Nickel	7.74		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Lead	4.9		0.7	0.20	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	03/04/14	LK	SW6010
Vanadium	17.5		0.3	0.13	mg/Kg	03/04/14	LK	SW6010
Zinc	35.0		0.7	0.33	mg/Kg	03/04/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG14310

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	03/01/14	AW	30 - 150 %
% TCMX	82			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	97			%	03/05/14	MH	30 - 150 %
% TCMX	93			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG14310

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.4	0.47	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.4	0.57	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.4	0.90	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.4	0.74	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.4	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.4	0.70	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.4	4.1	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.7	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.4	0.97	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	79			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	96			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	91			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG14310

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	92	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND	250	88	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	93			%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	82			%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
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Phoenix I.D.: BG14310

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	82			%	03/03/14	DD	23 - 120 %
% Phenol-d5	82			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	116			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	9:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14311

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.21	mg/Kg	03/04/14	LK	SW6010
Aluminum	5990		34	6.9	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.4	*	0.7	0.69	mg/Kg	03/04/14	LK	SW6010
Barium	40.8		0.7	0.14	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.44		0.27	0.14	mg/Kg	03/04/14	LK	SW6010
Calcium	1230		3.4	3.2	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.44		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Cobalt	7.86		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Chromium	18.4		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Copper	23.5		0.34	0.27	mg/kg	03/04/14	LK	SW6010
Iron	30600		34	34	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	2210	N	7	2.7	mg/Kg	03/04/14	LK	SW6010
Magnesium	2830		3.4	0.21	mg/Kg	03/04/14	LK	SW6010
Manganese	663	N	3.4	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	127	N	7	3.0	mg/Kg	03/04/14	LK	SW6010
Nickel	12.8		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Lead	11.1		0.7	0.21	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/04/14	LK	SW6010
Vanadium	36.1		0.3	0.14	mg/Kg	03/04/14	LK	SW6010
Zinc	90.2		0.7	0.34	mg/Kg	03/04/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 13-15

Phoenix I.D.: BG14311

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	72			%	03/01/14	AW	30 - 150 %
% TCMX	73			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	92			%	03/03/14	MH	30 - 150 %
% TCMX	93			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 13-15

Phoenix I.D.: BG14311

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5	0.79	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	0.80	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5	0.61	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5	0.49	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5	0.79	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5	0.82	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5	0.59	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5	0.88	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5	0.93	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5	0.89	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	28	2.5	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5	0.77	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.5	0.64	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.5	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.5	0.72	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.5	0.81	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.5	0.69	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.5	0.78	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.5	4.3	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.5	0.90	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.5	0.82	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.5	1.3	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.5	2.9	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.5	0.60	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.5	0.70	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.5	0.91	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.5	1.5	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.80	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.89	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.5	0.88	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.87	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	87			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	94			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	94			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	90	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/03/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND	1800	730	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	93	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	96	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	93	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND	250	89	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	81			%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	91			%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	78			%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 10 13-15

Phoenix I.D.: BG14311

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	73			%	03/03/14	DD	23 - 120 %
% Phenol-d5	76			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	123			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	9:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14312

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	03/04/14	LK	SW6010
Aluminum	7360		35	7.1	mg/Kg	03/03/14	LK	SW6010
Arsenic	3.1	*	0.7	0.71	mg/Kg	03/04/14	LK	SW6010
Barium	74.3		0.7	0.14	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.40		0.28	0.14	mg/Kg	03/04/14	LK	SW6010
Calcium	16500		35	32	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.37		0.35	0.14	mg/Kg	03/04/14	LK	SW6010
Cobalt	5.46		0.35	0.14	mg/Kg	03/04/14	LK	SW6010
Chromium	18.9		0.35	0.14	mg/Kg	03/04/14	LK	SW6010
Copper	37.3		0.35	0.28	mg/kg	03/04/14	LK	SW6010
Iron	17000		35	35	mg/Kg	03/03/14	LK	SW6010
Mercury	0.51		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1350	N	7	2.8	mg/Kg	03/04/14	LK	SW6010
Magnesium	5710		35	2.1	mg/Kg	03/03/14	LK	SW6010
Manganese	307	N	3.5	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	446	N	7	3.0	mg/Kg	03/04/14	LK	SW6010
Nickel	22.0		0.35	0.14	mg/Kg	03/04/14	LK	SW6010
Lead	84.5		0.7	0.21	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/04/14	LK	SW6010
Vanadium	37.3		0.4	0.14	mg/Kg	03/04/14	LK	SW6010
Zinc	98.9		0.7	0.35	mg/Kg	03/04/14	LK	SW6010
Percent Solid	92				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 0-2

Phoenix I.D.: BG14312

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	107			%	03/01/14	AW	30 - 150 %
% TCMX	74			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	26	26	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	72	72	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	50	50	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	210	210	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	25	25	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	72	72	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	1800	1800	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	03/05/14	MH	30 - 150 %
% TCMX	Diluted Out			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 0-2

Phoenix I.D.: BG14312

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		270	54	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		270	54	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		270	39	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	73	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		270	36	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		270	40	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND		270	43	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND		50	5.3	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/01/14	JLI	SW8260	
Benzene	1.4	J	5.4	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND		270	35	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND		270	57	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		270	52	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	ND		5.4	0.88	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND		270	73	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		270	49	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND		270	39	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND		270	51	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND		5.4	1.5	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND		270	43	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	1.2	J	5.4	1.1	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.8	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND		5.4	0.85	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		540	500	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND		5.4	1.1	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.4	0.84	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND		5.4	1.7	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93				%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	92				%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	96				%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	88				%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		2500	2000	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND		2500	890	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND		18000	2500	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		2500	1400	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	4200		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		2500	1700	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND		18000	3600	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND		2500	2300	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		2500	1400	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		7200	1700	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND		18000	7800	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		18000	3900	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND		7200	1700	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND		18000	1200	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 0-2

Phoenix I.D.: BG14312

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		18000	1600	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	5900		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	2400	J	2500	1000	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		18000	7300	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	11000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	27000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		7200	2100	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	22000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	32000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	5300		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	9400		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		18000	7200	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		2500	930	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		2500	990	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		2500	970	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	4900	J	18000	2700	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	25000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	2200	J	2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	2900		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		2500	960	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		2500	930	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	42000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	6600		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		2500	1100	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	5700		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	3600		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		2500	1400	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		2500	1300	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		2500	1400	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	52000		2500	1000	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	40000		2500	1200	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		2500	880	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	*Diluted Out				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	*Diluted Out				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	*Diluted Out				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 0-2

Phoenix I.D.: BG14312

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	*Diluted Out			%	03/03/14	DD	23 - 120 %
% Phenol-d5	*Diluted Out			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	*Diluted Out			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	10:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14313

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	7720		37	7.4	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.8	*	0.7	0.74	mg/Kg	03/04/14	LK	SW6010
Barium	59.3		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.61		0.30	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	1440		3.7	3.4	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.48		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	7.40		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	20.1		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	20.7		0.37	0.30	mg/kg	03/04/14	LK	SW6010
Iron	37900		37	37	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1770	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Magnesium	2720		3.7	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	861	N	3.7	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	218	N	7	3.2	mg/Kg	03/04/14	LK	SW6010
Nickel	16.0		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	6.5		0.7	0.22	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	33.6		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	34.4		0.7	0.37	mg/Kg	03/04/14	LK	SW6010
Percent Solid	94				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 13-15

Phoenix I.D.: BG14313

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	76			%	03/01/14	AW	30 - 150 %
% TCMX	86			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	95			%	03/03/14	MH	30 - 150 %
% TCMX	91			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 13-15

Phoenix I.D.: BG14313

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3	0.59	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND	50	5.3	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	03/01/14	JLI	SW8260	
Benzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND	5.3	0.69	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND	5.3	0.78	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND	5.3	0.66	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND	5.3	0.74	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND	5.3	4.1	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND	5.3	0.86	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND	5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND	5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND	5.3	2.8	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND	5.3	0.60	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND	5.3	0.67	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND	5.3	2.1	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	ND	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND	5.3	0.96	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	88			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	93			%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	95			%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	97	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	240	97	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 13-15

Phoenix I.D.: BG14313

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND	240	96	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND	1700	690	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND	690	200	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND	1700	690	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	89	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	93	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	91	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	89	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND	240	96	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND	240	99	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	ND	240	98	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND	240	84	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	101			%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	88			%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 20 13-15

Phoenix I.D.: BG14313

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
% Nitrobenzene-d5	84			%	03/03/14	DD	23 - 120 %	
% Phenol-d5	87			%	03/03/14	DD	24 - 113 %	
% Terphenyl-d14	140			%	03/03/14	DD	18 - 137 %	3

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

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

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

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

Semi-Volatile Comment:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	10:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14314

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39		0.39	0.23	mg/Kg	03/04/14	LK	SW6010
Aluminum	7730		39	7.8	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.8	*	0.8	0.78	mg/Kg	03/04/14	LK	SW6010
Barium	39.0		0.8	0.16	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.57		0.31	0.16	mg/Kg	03/04/14	LK	SW6010
Calcium	921		3.9	3.6	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.31	B	0.39	0.16	mg/Kg	03/04/14	LK	SW6010
Cobalt	6.59		0.39	0.16	mg/Kg	03/04/14	LK	SW6010
Chromium	20.0		0.39	0.16	mg/Kg	03/04/14	LK	SW6010
Copper	21.0		0.39	0.31	mg/kg	03/04/14	LK	SW6010
Iron	28100		39	39	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1370	N	8	3.1	mg/Kg	03/04/14	LK	SW6010
Magnesium	1810		3.9	0.23	mg/Kg	03/04/14	LK	SW6010
Manganese	455	N	3.9	1.6	mg/Kg	03/03/14	LK	SW6010
Sodium	101	N	8	3.4	mg/Kg	03/04/14	LK	SW6010
Nickel	16.9		0.39	0.16	mg/Kg	03/04/14	LK	SW6010
Lead	6.9		0.8	0.23	mg/Kg	03/04/14	LK	SW6010
Antimony	< 2.0		2.0	2.0	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.6		1.6	1.3	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.6		1.6	1.6	mg/Kg	03/04/14	LK	SW6010
Vanadium	33.0		0.4	0.16	mg/Kg	03/04/14	LK	SW6010
Zinc	29.4		0.8	0.39	mg/Kg	03/04/14	LK	SW6010
Percent Solid	90				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 0-2

Phoenix I.D.: BG14314

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1221	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1232	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1242	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1248	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1254	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1260	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1262	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
PCB-1268	ND	37	37	ug/Kg	03/01/14	AW	SW 8082	
QA/QC Surrogates								
% DCBP	89			%	03/01/14	AW	30 - 150 %	
% TCMX	70			%	03/01/14	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	13	13	ug/Kg	03/03/14	MH	SW8081	
4,4' -DDE	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
4,4' -DDT	ND	13	13	ug/Kg	03/03/14	MH	SW8081	
a-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
a-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Aldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
b-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Chlordane	ND	110	110	ug/Kg	03/03/14	MH	SW8081	
d-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Dieldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Endosulfan I	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Endosulfan II	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Endosulfan sulfate	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Endrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Endrin aldehyde	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Endrin ketone	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
g-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
g-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081	
Heptachlor	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Heptachlor epoxide	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081	
Methoxychlor	ND	370	370	ug/Kg	03/03/14	MH	SW8081	
Toxaphene	ND	920	920	ug/Kg	03/03/14	MH	SW8081	
QA/QC Surrogates								
% DCBP	157			%	03/03/14	MH	30 - 150 %	3
% TCMX	86			%	03/03/14	MH	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	03/01/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	03/01/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	03/01/14	JLI	SW8260	
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 0-2

Phoenix I.D.: BG14314

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.6	0.80	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.6	0.81	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.6	1.5	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.6	0.62	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.6	0.80	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.6	0.74	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.6	0.83	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.6	0.59	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.6	0.89	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.6	0.94	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND		5.6	0.90	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.6	0.77	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.6	0.65	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND		50	5.6	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	03/01/14	JLI	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND		5.6	0.73	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.6	0.82	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND		5.6	0.70	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND		5.6	0.79	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND		5.6	0.91	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND		5.6	0.65	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND		5.6	0.83	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.61	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND		5.6	0.63	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND		5.6	0.71	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		34	4.9	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.6	0.92	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND		5.6	1.5	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND	5.6	0.89	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	85			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	93			%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	96			%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1300	640	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	1300	550	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	1300	510	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	1300	590	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	1300	540	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	1300	540	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	1300	990	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1300	580	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	1300	640	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	1300	450	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	9100	1300	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	1300	710	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	1300	570	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	1300	510	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	1300	510	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	1300	540	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	1300	850	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	9100	1800	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	1300	1100	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	1300	710	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	3600	850	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	9100	3900	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	9100	1900	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	1300	530	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	1300	640	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	3600	840	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	1300	610	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	9100	600	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 0-2

Phoenix I.D.: BG14314

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		9100	820	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	1300		1300	550	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		1300	510	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		1300	560	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		9100	3700	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	2300		1300	590	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	5900		1300	610	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		3600	1100	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	4000		1300	590	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	6100		1300	620	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	1400		1300	590	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	1700		1300	600	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		9100	3600	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		1300	470	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		1300	500	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		1300	490	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		1300	500	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		1300	520	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND		9100	1400	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	4800		1300	610	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		1300	590	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	630	J	1300	530	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		1300	570	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		1300	560	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		1300	480	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		1300	470	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	12000		1300	590	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	970	J	1300	600	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		1300	530	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		1300	660	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		1300	550	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		1300	540	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	1400		1300	600	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		1300	510	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND		1300	520	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		1300	630	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		1300	510	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		1300	590	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		1300	700	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		1300	670	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		1300	680	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	10000		1300	520	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		1300	580	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	9400		1300	620	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		1300	450	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	84				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	77				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 0-2

Phoenix I.D.: BG14314

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	66			%	03/03/14	DD	23 - 120 %
% Phenol-d5	78			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	97			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

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

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

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

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	10:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14315

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39		0.39	0.23	mg/Kg	03/04/14	LK	SW6010
Aluminum	6450		39	7.7	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.5	*	0.8	0.77	mg/Kg	03/04/14	LK	SW6010
Barium	44.7		0.8	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.42		0.31	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	776		3.9	3.6	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.17	B	0.39	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	5.86		0.39	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	14.9		0.39	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	13.4		0.39	0.31	mg/kg	03/04/14	LK	SW6010
Iron	17400		39	39	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	03/03/14	RS	SW-7471
Potassium	924	N	8	3.0	mg/Kg	03/04/14	LK	SW6010
Magnesium	1770		3.9	0.23	mg/Kg	03/04/14	LK	SW6010
Manganese	489	N	3.9	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	116	N	8	3.3	mg/Kg	03/04/14	LK	SW6010
Nickel	12.6		0.39	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	4.3		0.8	0.23	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	25.9		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	22.2		0.8	0.39	mg/Kg	03/04/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 13-15

Phoenix I.D.: BG14315

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	78			%	03/01/14	AW	30 - 150 %
% TCMX	90			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	108			%	03/05/14	MH	30 - 150 %
% TCMX	96			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 13-15

Phoenix I.D.: BG14315

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5	0.79	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	0.80	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5	0.61	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5	0.49	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5	0.79	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5	0.82	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5	0.59	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5	0.88	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5	0.93	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5	0.89	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND	28	2.5	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5	0.77	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.5	0.64	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND	50	5.5	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND	11	3.1	ug/Kg	03/01/14	JLI	SW8260	
Benzene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND	5.5	0.72	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND	5.5	0.81	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND	5.5	0.69	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND	5.5	0.78	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND	5.5	4.3	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND	5.5	0.90	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND	5.5	0.82	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND	5.5	1.3	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND	5.5	1.0	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND	5.5	2.9	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.5	0.60	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND	5.5	0.62	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND	5.5	0.70	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND	5.5	1.0	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND	5.5	2.2	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	ND	5.5	0.91	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND	5.5	1.5	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND	5.5	1.0	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND	5.5	1.0	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5	0.80	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5	0.89	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND	5.5	0.88	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.87	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	90			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	87			%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	97			%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	90	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	730	170	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 13-15

Phoenix I.D.: BG14315

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1800	730	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	730	210	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1800	730	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	94	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1800	280	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	97	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	94	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	250	89	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	71			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	74			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	73			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 14 13-15

Phoenix I.D.: BG14315

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	60			%	03/02/14	DD	23 - 120 %
% Phenol-d5	71			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	11:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14316

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	03/04/14	LK	SW6010
Aluminum	7470		33	6.5	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.2	*	0.7	0.65	mg/Kg	03/04/14	LK	SW6010
Barium	38.7		0.7	0.13	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.51		0.26	0.13	mg/Kg	03/04/14	LK	SW6010
Calcium	1180		3.3	3.0	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.26	B	0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Cobalt	5.93		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Chromium	16.7		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Copper	17.8		0.33	0.26	mg/kg	03/04/14	LK	SW6010
Iron	24000		33	33	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1190	N	7	2.5	mg/Kg	03/04/14	LK	SW6010
Magnesium	1960		3.3	0.20	mg/Kg	03/04/14	LK	SW6010
Manganese	436	N	3.3	1.3	mg/Kg	03/03/14	LK	SW6010
Sodium	133	N	7	2.8	mg/Kg	03/04/14	LK	SW6010
Nickel	10.1		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Lead	6.7		0.7	0.20	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	03/04/14	LK	SW6010
Vanadium	29.4		0.3	0.13	mg/Kg	03/04/14	LK	SW6010
Zinc	26.6		0.7	0.33	mg/Kg	03/04/14	LK	SW6010
Percent Solid	90				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 0-2

Phoenix I.D.: BG14316

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	65			%	03/01/14	AW	30 - 150 %
% TCMX	73			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	94			%	03/03/14	MH	30 - 150 %
% TCMX	87			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 0-2

Phoenix I.D.: BG14316

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.81	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	15	JS	50	5.4	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.68	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.81	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.4	2.9	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.4	0.69	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	0.90	JS	5.4	0.89	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	88			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	80			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	98			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	90	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 0-2

Phoenix I.D.: BG14316

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND	1800	730	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	93	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	98	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	96	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	93	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND	250	89	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	94			%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	81			%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 0-2

Phoenix I.D.: BG14316

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	03/03/14	DD	23 - 120 %
% Phenol-d5	80			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	130			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	11:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14317

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	4680		37	7.4	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.2	*	0.7	0.74	mg/Kg	03/04/14	LK	SW6010
Barium	46.3		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.52		0.29	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	1370		3.7	3.4	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.48		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	8.60		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	29.2		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	23.2		0.37	0.29	mg/kg	03/04/14	LK	SW6010
Iron	32000		37	37	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	990	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Magnesium	2430		3.7	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	788	N	3.7	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	239	N	7	3.2	mg/Kg	03/04/14	LK	SW6010
Nickel	14.9		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	6.1		0.7	0.22	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	36.9		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	29.9		0.7	0.37	mg/Kg	03/04/14	LK	SW6010
Percent Solid	93				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	81			%	03/01/14	AW	30 - 150 %
% TCMX	91			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	103			%	03/03/14	MH	30 - 150 %
% TCMX	98			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 13-15

Phoenix I.D.: BG14317

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND	5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND	5.4	0.59	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND	5.4	0.47	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND	5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND	5.4	0.71	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND	5.4	0.57	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND	5.4	0.90	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND	5.4	0.74	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND	5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND	50	5.3	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND	5.4	0.70	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND	5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND	5.4	0.67	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND	5.4	0.75	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND	5.4	4.1	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND	5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND	5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND	5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND	5.4	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND	5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND	5.4	2.8	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND	5.4	0.58	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND	5.4	0.60	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND	5.4	0.68	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND	5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND	32	4.7	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	ND	5.4	0.88	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND	5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND	5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND	5.4	0.97	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	97			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	100			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/03/14	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND	250	99	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	92	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND	250	99	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	80			%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	94			%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	83			%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 13 13-15

Phoenix I.D.: BG14317

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
% Nitrobenzene-d5	76			%	03/03/14	DD	23 - 120 %	
% Phenol-d5	79			%	03/03/14	DD	24 - 113 %	
% Terphenyl-d14	140			%	03/03/14	DD	18 - 137 %	3

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

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

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

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

Semi-Volatile Comment:
One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	11:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14318

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	6530		37	7.3	mg/Kg	03/03/14	LK	SW6010
Arsenic	3.7	*	0.7	0.73	mg/Kg	03/04/14	LK	SW6010
Barium	1260		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.34		0.29	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	13200		37	34	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.78		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	8.36		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	19.0		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	166		3.7	2.9	mg/kg	03/03/14	LK	SW6010
Iron	20600		37	37	mg/Kg	03/03/14	LK	SW6010
Mercury	0.97		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1210	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Magnesium	3350		3.7	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	324	N	3.7	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	391	N	7	3.1	mg/Kg	03/04/14	LK	SW6010
Nickel	13.8		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	844		7.3	2.2	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	37.4		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	325		7.3	3.7	mg/Kg	03/03/14	LK	SW6010
Percent Solid	90				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 0-2

Phoenix I.D.: BG14318

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	81			%	03/01/14	AW	30 - 150 %
% TCMX	79			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	26	26	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	26	26	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	26	26	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	220	220	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	18	18	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	36	36	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	18	18	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	73	73	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	1800	1800	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	03/05/14	MH	30 - 150 %
% TCMX	Diluted Out			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	03/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	03/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	03/04/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 0-2

Phoenix I.D.: BG14318

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	03/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		280	39	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		280	40	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		280	74	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		280	31	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.6	0.80	ug/Kg	03/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		280	37	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		280	41	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.6	0.59	ug/Kg	03/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		280	44	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.6	0.94	ug/Kg	03/04/14	JLI	SW8260	
2-Chlorotoluene	ND		280	44	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	03/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		280	38	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		280	32	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	03/04/14	JLI	SW8260	
Acetone	14	JS	50	5.6	ug/Kg	03/04/14	JLI	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	03/04/14	JLI	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	03/04/14	JLI	SW8260	
Bromobenzene	ND		280	36	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.6	0.82	ug/Kg	03/04/14	JLI	SW8260	
Bromodichloromethane	ND		5.6	0.70	ug/Kg	03/04/14	JLI	SW8260	
Bromoform	ND		5.6	0.79	ug/Kg	03/04/14	JLI	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	03/04/14	JLI	SW8260	
Carbon Disulfide	ND		5.6	0.91	ug/Kg	03/04/14	JLI	SW8260	
Carbon tetrachloride	ND		5.6	0.65	ug/Kg	03/04/14	JLI	SW8260	
Chlorobenzene	ND		5.6	0.83	ug/Kg	03/04/14	JLI	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	03/04/14	JLI	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	03/04/14	JLI	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	03/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	03/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.61	ug/Kg	03/04/14	JLI	SW8260	
Dibromochloromethane	ND		5.6	0.63	ug/Kg	03/04/14	JLI	SW8260	
Dibromomethane	ND		5.6	0.71	ug/Kg	03/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	03/04/14	JLI	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	03/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		280	58	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		280	53	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	03/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		34	4.9	ug/Kg	03/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/04/14	JLI	SW8260	
Methylene chloride	1.6	JS	5.6	0.92	ug/Kg	03/04/14	JLI	SW8260	
Naphthalene	ND		280	74	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		280	51	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		280	50	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	03/04/14	JLI	SW8260	
p-Isopropyltoluene	ND	280	40	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	280	52	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	03/04/14	JLI	SW8260	
tert-Butylbenzene	ND	280	44	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	03/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	03/04/14	JLI	SW8260	1
Toluene	ND	5.6	0.89	ug/Kg	03/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	560	520	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	03/04/14	JLI	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	03/04/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	97			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	89			%	03/04/14	JLI	70 - 130 %	
% Toluene-d8	81			%	03/04/14	JLI	84 - 138 %	3

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	520	260	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	520	220	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	520	210	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	520	240	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	520	220	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	520	220	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	520	400	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	520	240	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	520	260	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	520	180	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	3700	520	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	520	290	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	520	230	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	520	210	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	520	210	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	520	220	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	520	350	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	3700	750	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	520	470	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	520	290	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	1500	350	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	3700	1600	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	3700	790	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	520	220	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	520	260	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	1500	340	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	520	250	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	3700	250	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 0-2

Phoenix I.D.: BG14318

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		3700	330	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	320	J	520	220	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		520	230	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		3700	1500	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	780		520	240	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	2600		520	250	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		1500	430	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	2300		520	240	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	3700		520	250	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	590		520	240	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	1100		520	250	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		3700	1500	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		520	190	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		520	200	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		520	200	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	580	J	3700	560	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	2500		520	250	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		520	240	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND		520	220	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		520	230	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		520	230	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		520	200	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		520	190	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	4800		520	240	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	370	J	520	240	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		520	220	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		520	270	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		520	230	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		520	220	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	650		520	250	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		520	260	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		520	210	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		520	240	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		520	280	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		520	270	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		520	280	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	3900		520	210	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		520	240	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	3800		520	250	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		520	180	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	81				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	76				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 0-2

Phoenix I.D.: BG14318

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	70			%	03/03/14	DD	23 - 120 %
% Phenol-d5	73			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	77			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

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

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

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

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	12:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14319

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	0.24	B	0.33	0.20	mg/Kg	03/04/14	LK	SW6010
Aluminum	3570		33	6.6	mg/Kg	03/03/14	LK	SW6010
Arsenic	3.8	*	0.7	0.66	mg/Kg	03/04/14	LK	SW6010
Barium	82.5		0.7	0.13	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.27		0.26	0.13	mg/Kg	03/04/14	LK	SW6010
Calcium	6630		3.3	3.0	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.64		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Cobalt	3.53		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Chromium	13.9		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Copper	46.7		0.33	0.26	mg/kg	03/04/14	LK	SW6010
Iron	16700		33	33	mg/Kg	03/03/14	LK	SW6010
Mercury	0.48		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	704	N	7	2.6	mg/Kg	03/04/14	LK	SW6010
Magnesium	1460		3.3	0.20	mg/Kg	03/04/14	LK	SW6010
Manganese	277	N	3.3	1.3	mg/Kg	03/03/14	LK	SW6010
Sodium	110	N	7	2.8	mg/Kg	03/04/14	LK	SW6010
Nickel	8.57		0.33	0.13	mg/Kg	03/04/14	LK	SW6010
Lead	479		6.6	2.0	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	03/04/14	LK	SW6010
Vanadium	14.3		0.3	0.13	mg/Kg	03/04/14	LK	SW6010
Zinc	239		6.6	3.3	mg/Kg	03/03/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 13-15

Phoenix I.D.: BG14319

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	03/01/14	AW	30 - 150 %
% TCMX	72			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	88			%	03/03/14	MH	30 - 150 %
% TCMX	77			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 13-15

Phoenix I.D.: BG14319

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.5	0.79	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.5	0.73	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		50	5.5	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	0.96	JS	5.5	0.90	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.5	1.5	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.5	1.0	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.5	0.99	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.5	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.5	0.79	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.5	1.6	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.5	0.88	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.5	1.2	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.5	0.87	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.5	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.5	1.8	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	100			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 13-15

Phoenix I.D.: BG14319

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	140	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	120	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	170	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	140	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	350		250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	190	J	250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	320		250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	86				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	76				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 9 13-15

Phoenix I.D.: BG14319

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	72			%	03/03/14	DD	23 - 120 %
% Phenol-d5	74			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	116			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	12:20
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14320

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	5380		37	7.3	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.6	*	0.7	0.73	mg/Kg	03/04/14	LK	SW6010
Barium	70.0		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.33		0.29	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	1340		3.7	3.4	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.47		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	4.92		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	14.5		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	33.9		0.37	0.29	mg/kg	03/04/14	LK	SW6010
Iron	14900		37	37	mg/Kg	03/03/14	LK	SW6010
Mercury	0.95		0.07	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	916	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Magnesium	1590		3.7	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	368	N	3.7	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	282	N	7	3.2	mg/Kg	03/04/14	LK	SW6010
Nickel	11.1		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	269		7.3	2.2	mg/Kg	03/03/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	20.4		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	142		0.7	0.37	mg/Kg	03/04/14	LK	SW6010
Percent Solid	91				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 0-2

Phoenix I.D.: BG14320

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	220	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	03/01/14	AW	30 - 150 %
% TCMX	73			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	7.2	7.2	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	7.2	7.2	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	14	14	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	98			%	03/03/14	MH	30 - 150 %
% TCMX	96			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	03/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	03/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	03/04/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 0-2

Phoenix I.D.: BG14320

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		270	55	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		270	55	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		270	40	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	74	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	03/04/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	03/04/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		270	36	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		270	41	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	03/04/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	03/04/14	JLI	SW8260	
2-Chlorotoluene	ND		270	44	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	03/04/14	JLI	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/04/14	JLI	SW8260	
Acetone	ND		50	5.5	ug/Kg	03/04/14	JLI	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/04/14	JLI	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
Bromobenzene	ND		270	36	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	03/04/14	JLI	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	03/04/14	JLI	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	03/04/14	JLI	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	03/04/14	JLI	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	03/04/14	JLI	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	03/04/14	JLI	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	03/04/14	JLI	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	03/04/14	JLI	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	03/04/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	03/04/14	JLI	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	03/04/14	JLI	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	03/04/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	03/04/14	JLI	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	03/04/14	JLI	SW8260	
Hexachlorobutadiene	ND		270	58	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		270	53	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	03/04/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	03/04/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/04/14	JLI	SW8260	
Methylene chloride	1.5	JS	5.5	0.90	ug/Kg	03/04/14	JLI	SW8260	
Naphthalene	ND		270	74	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		270	50	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.5	2.1	ug/Kg	03/04/14	JLI	SW8260	
p-Isopropyltoluene	ND		270	40	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND		270	52	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	03/04/14	JLI	SW8260	
tert-Butylbenzene	ND		270	44	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	7.0		5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	03/04/14	JLI	SW8260	1
Toluene	ND		5.5	0.87	ug/Kg	03/04/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	03/04/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		550	510	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	2.7	J	5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	03/04/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.86	ug/Kg	03/04/14	JLI	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	03/04/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	96				%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	104				%	03/04/14	JLI	70 - 130 %	
% Toluene-d8	92				%	03/04/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	190	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	88	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		710	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	380	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 0-2

Phoenix I.D.: BG14320

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	280		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	350		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	570		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	130	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	190	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	120	J	250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	380		250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	560		250	120	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	130	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	300		250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	550		250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	83				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	85				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	71				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 0-2

Phoenix I.D.: BG14320

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	03/03/14	DD	23 - 120 %
% Phenol-d5	72			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

For Pesticides, due to matrix interference caused by the presence of PCB's in the samples 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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	12:40
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14321

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	2960		37	7.3	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.3	*	0.7	0.73	mg/Kg	03/04/14	LK	SW6010
Barium	24.3		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.31		0.29	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	757		3.7	3.4	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.29	B	0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	3.93		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	9.48		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	8.71		0.37	0.29	mg/kg	03/04/14	LK	SW6010
Iron	20500		37	37	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	687	N	7	2.9	mg/Kg	03/04/14	LK	SW6010
Magnesium	1380		3.7	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	395	N	3.7	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	76	N	7	3.2	mg/Kg	03/04/14	LK	SW6010
Nickel	8.87		0.37	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	4.3		0.7	0.22	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	17.6		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	21.3		0.7	0.37	mg/Kg	03/04/14	LK	SW6010
Percent Solid	96				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	81			%	03/01/14	AW	30 - 150 %
% TCMX	76			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	93			%	03/03/14	MH	30 - 150 %
% TCMX	95			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.74	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 13-15

Phoenix I.D.: BG14321

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.75	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.46	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.69	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.82	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.88	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.72	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND		50	5.2	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/01/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.68	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.76	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.65	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND		5.2	0.73	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND		5.2	0.95	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.66	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.1	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	0.97	JS	5.2	0.85	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.94	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.2	0.75	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	5.2	0.98	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND	5.2	0.83	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.7	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND	5.2	0.82	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.7	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.2	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.81	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	91			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	93			%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	96			%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	95	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	84	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	96	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	240	96	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	240	210	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	680	160	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1700	740	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	360	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	680	160	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 13-15

Phoenix I.D.: BG14321

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	240	95	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1700	680	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	680	200	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1700	680	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	87	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	93	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	91	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	90	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	87	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	240	99	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	240	95	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	95	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	240	97	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	240	83	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	81			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	68			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 11 13-15

Phoenix I.D.: BG14321

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79			%	03/02/14	DD	23 - 120 %
% Phenol-d5	71			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	88			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	13:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14322

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.21	mg/Kg	03/04/14	LK	SW6010
Aluminum	6940		34	6.9	mg/Kg	03/03/14	LK	SW6010
Arsenic	2.7	*	0.7	0.69	mg/Kg	03/04/14	LK	SW6010
Barium	50.4		0.7	0.14	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.36		0.28	0.14	mg/Kg	03/04/14	LK	SW6010
Calcium	10300		34	32	mg/Kg	03/03/14	LK	SW6010
Cadmium	0.21	B	0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Cobalt	4.91		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Chromium	15.0		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Copper	28.9		0.34	0.28	mg/kg	03/04/14	LK	SW6010
Iron	14700		34	34	mg/Kg	03/03/14	LK	SW6010
Mercury	0.52		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1210	N	7	2.7	mg/Kg	03/04/14	LK	SW6010
Magnesium	3040		3.4	0.21	mg/Kg	03/04/14	LK	SW6010
Manganese	264	N	3.4	1.4	mg/Kg	03/03/14	LK	SW6010
Sodium	426	N	7	3.0	mg/Kg	03/04/14	LK	SW6010
Nickel	13.4		0.34	0.14	mg/Kg	03/04/14	LK	SW6010
Lead	55.4		0.7	0.21	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	03/04/14	LK	SW6010
Vanadium	30.1		0.3	0.14	mg/Kg	03/04/14	LK	SW6010
Zinc	50.6		0.7	0.34	mg/Kg	03/04/14	LK	SW6010
Percent Solid	93				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 0-2

Phoenix I.D.: BG14322

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	120	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	03/01/14	AW	30 - 150 %
% TCMX	85			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	25	25	ug/Kg	03/05/14	MH	SW8081
4,4' -DDE	ND	25	25	ug/Kg	03/05/14	MH	SW8081
4,4' -DDT	ND	25	25	ug/Kg	03/05/14	MH	SW8081
a-BHC	ND	17	17	ug/Kg	03/05/14	MH	SW8081
a-Chlordane	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Aldrin	ND	17	17	ug/Kg	03/05/14	MH	SW8081
b-BHC	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Chlordane	ND	210	210	ug/Kg	03/05/14	MH	SW8081
d-BHC	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Dieldrin	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Endosulfan I	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Endosulfan II	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Endosulfan sulfate	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Endrin	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Endrin aldehyde	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Endrin ketone	ND	17	17	ug/Kg	03/05/14	MH	SW8081
g-BHC	ND	17	17	ug/Kg	03/05/14	MH	SW8081
g-Chlordane	ND	35	35	ug/Kg	03/05/14	MH	SW8081
Heptachlor	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Heptachlor epoxide	ND	17	17	ug/Kg	03/05/14	MH	SW8081
Methoxychlor	ND	69	69	ug/Kg	03/05/14	MH	SW8081
Toxaphene	ND	1700	1700	ug/Kg	03/05/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	03/05/14	MH	30 - 150 %
% TCMX	Diluted Out			%	03/05/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 0-2

Phoenix I.D.: BG14322

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.59	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND		5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND		50	5.3	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/01/14	JLI	SW8260	
Benzene	8.9		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND		5.3	0.69	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND		5.3	0.78	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND		5.3	0.75	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND		5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.60	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND		5.3	0.67	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	1.1	J	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	2.2	J	5.3	2.1	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	0.92	JS	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND		5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND		5.3	0.96	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.3	2.0	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND		5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND		5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND		5.3	1.5	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND		5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	3.2	J	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		11	4.8	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	9.2		5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		11	9.9	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND		5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.3	0.83	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND		5.3	1.7	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103				%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	73				%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	102				%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	93				%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	190	ug/Kg	03/03/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	88	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	03/03/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	03/03/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	03/03/14	DD	SW 8270	
2-Nitrophenol	ND		250	220	ug/Kg	03/03/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		710	170	ug/Kg	03/03/14	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	03/03/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	380	ug/Kg	03/03/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	03/03/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	03/03/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 0-2

Phoenix I.D.: BG14322

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Acenaphthylene	ND		250	99	ug/Kg	03/03/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	03/03/14	DD	SW 8270	
Anthracene	240	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Benz(a)anthracene	860		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	03/03/14	DD	SW 8270	
Benzo(a)pyrene	870		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(b)fluoranthene	1400		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzo(ghi)perylene	270		250	110	ug/Kg	03/03/14	DD	SW 8270	
Benzo(k)fluoranthene	530		250	120	ug/Kg	03/03/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	03/03/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	03/03/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	03/03/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	290		250	100	ug/Kg	03/03/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	03/03/14	DD	SW 8270	
Chrysene	860		250	120	ug/Kg	03/03/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	03/03/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	03/03/14	DD	SW 8270	
Fluoranthene	1300		250	110	ug/Kg	03/03/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	230	J	250	120	ug/Kg	03/03/14	DD	SW 8270	
Isophorone	ND		250	99	ug/Kg	03/03/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	03/03/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	03/03/14	DD	SW 8270	
Phenanthrene	900		250	100	ug/Kg	03/03/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	03/03/14	DD	SW 8270	
Pyrene	1300		250	120	ug/Kg	03/03/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	03/03/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	90				%	03/03/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	92				%	03/03/14	DD	30 - 115 %	
% 2-Fluorophenol	74				%	03/03/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 0-2

Phoenix I.D.: BG14322

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	84			%	03/03/14	DD	23 - 120 %
% Phenol-d5	75			%	03/03/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/03/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	13:10
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14323

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	03/04/14	LK	SW6010
Aluminum	6460		36	7.3	mg/Kg	03/03/14	LK	SW6010
Arsenic	1.9	*	0.7	0.73	mg/Kg	03/04/14	LK	SW6010
Barium	50.4		0.7	0.15	mg/Kg	03/04/14	LK	SW6010
Beryllium	0.58		0.29	0.15	mg/Kg	03/04/14	LK	SW6010
Calcium	1240		3.6	3.4	mg/Kg	03/04/14	LK	SW6010
Cadmium	0.55		0.36	0.15	mg/Kg	03/04/14	LK	SW6010
Cobalt	8.20		0.36	0.15	mg/Kg	03/04/14	LK	SW6010
Chromium	18.4		0.36	0.15	mg/Kg	03/04/14	LK	SW6010
Copper	20.0		0.36	0.29	mg/kg	03/04/14	LK	SW6010
Iron	40900		36	36	mg/Kg	03/03/14	LK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	03/03/14	RS	SW-7471
Potassium	1570	N	7	2.8	mg/Kg	03/04/14	LK	SW6010
Magnesium	2220		3.6	0.22	mg/Kg	03/04/14	LK	SW6010
Manganese	702	N	3.6	1.5	mg/Kg	03/03/14	LK	SW6010
Sodium	97	N	7	3.1	mg/Kg	03/04/14	LK	SW6010
Nickel	14.0		0.36	0.15	mg/Kg	03/04/14	LK	SW6010
Lead	7.4		0.7	0.22	mg/Kg	03/04/14	LK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	03/04/14	LK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	03/04/14	LK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	03/04/14	LK	SW6010
Vanadium	50.3		0.4	0.15	mg/Kg	03/04/14	LK	SW6010
Zinc	40.7		0.7	0.36	mg/Kg	03/04/14	LK	SW6010
Percent Solid	94				%	02/28/14	I	E160.3
Soil Extraction for PCB	Completed					02/28/14	SJ/V	SW3545
Soil Extraction for Pesticide	Completed					02/28/14	SJ	SW3545
Soil Extraction for SVOA	Completed					02/28/14	JJ/FV	SW3545
Mercury Digestion	Completed					03/03/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/28/14	AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/01/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	79			%	03/01/14	AW	30 - 150 %
% TCMX	82			%	03/01/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	96			%	03/03/14	MH	30 - 150 %
% TCMX	97			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 13-15

Phoenix I.D.: BG14323

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3	0.59	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	03/01/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3	0.76	ug/Kg	03/01/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	03/01/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	03/01/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
2-Hexanone	ND	27	2.4	ug/Kg	03/01/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	03/01/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	03/01/14	JLI	SW8260	
Acetone	ND	50	5.3	ug/Kg	03/01/14	JLI	SW8260	
Acrylonitrile	ND	11	3.0	ug/Kg	03/01/14	JLI	SW8260	
Benzene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Bromobenzene	ND	5.3	0.69	ug/Kg	03/01/14	JLI	SW8260	
Bromochloromethane	ND	5.3	0.78	ug/Kg	03/01/14	JLI	SW8260	
Bromodichloromethane	ND	5.3	0.66	ug/Kg	03/01/14	JLI	SW8260	
Bromoform	ND	5.3	0.74	ug/Kg	03/01/14	JLI	SW8260	
Bromomethane	ND	5.3	4.1	ug/Kg	03/01/14	JLI	SW8260	
Carbon Disulfide	ND	5.3	0.86	ug/Kg	03/01/14	JLI	SW8260	
Carbon tetrachloride	ND	5.3	0.62	ug/Kg	03/01/14	JLI	SW8260	
Chlorobenzene	ND	5.3	0.79	ug/Kg	03/01/14	JLI	SW8260	
Chloroethane	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Chloroform	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Chloromethane	ND	5.3	2.8	ug/Kg	03/01/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	03/01/14	JLI	SW8260	
Dibromochloromethane	ND	5.3	0.60	ug/Kg	03/01/14	JLI	SW8260	
Dibromomethane	ND	5.3	0.67	ug/Kg	03/01/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
Ethylbenzene	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Isopropylbenzene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
m&p-Xylene	ND	5.3	2.1	ug/Kg	03/01/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	03/01/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	03/01/14	JLI	SW8260	
Methylene chloride	ND	5.3	0.87	ug/Kg	03/01/14	JLI	SW8260	
Naphthalene	ND	5.3	1.4	ug/Kg	03/01/14	JLI	SW8260	
n-Butylbenzene	ND	5.3	0.97	ug/Kg	03/01/14	JLI	SW8260	
n-Propylbenzene	ND	5.3	0.96	ug/Kg	03/01/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	03/01/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	03/01/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	03/01/14	JLI	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	03/01/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	03/01/14	JLI	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	JLI	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	03/01/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	03/01/14	JLI	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	03/01/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	03/01/14	JLI	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	03/01/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	03/01/14	JLI	70 - 121 %	
% Bromofluorobenzene	87			%	03/01/14	JLI	59 - 113 %	
% Dibromofluoromethane	90			%	03/01/14	JLI	70 - 130 %	
% Toluene-d8	97			%	03/01/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	03/02/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	87	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/02/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/02/14	DD	SW 8270	
2-Nitroaniline	ND	1800	350	ug/Kg	03/02/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	03/02/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/02/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	170	ug/Kg	03/02/14	DD	SW 8270	
3-Nitroaniline	ND	1800	760	ug/Kg	03/02/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/02/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	03/02/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	03/02/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 13-15

Phoenix I.D.: BG14323

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Acenaphthylene	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Aniline	ND	1800	710	ug/Kg	03/02/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzidine	ND	700	210	ug/Kg	03/02/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Benzoic acid	ND	1800	700	ug/Kg	03/02/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	03/02/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	03/02/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	93	ug/Kg	03/02/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	03/02/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Isophorone	ND	250	98	ug/Kg	03/02/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	03/02/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	03/02/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	03/02/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	03/02/14	DD	SW 8270	
Pyridine	ND	250	86	ug/Kg	03/02/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	03/02/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	85			%	03/02/14	DD	30 - 115 %	
% 2-Fluorophenol	72			%	03/02/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB 19 13-15

Phoenix I.D.: BG14323

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	82			%	03/02/14	DD	23 - 120 %
% Phenol-d5	75			%	03/02/14	DD	24 - 113 %
% Terphenyl-d14	88			%	03/02/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	0:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14324

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100			%	02/28/14	I	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	03/01/14	HM	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	03/01/14	HM	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	03/01/14	HM	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	03/01/14	HM	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	03/01/14	HM	SW8260	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG14324

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	60	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND	2500	250	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND	500	140	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND	250	33	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND	250	37	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND	250	31	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND	250	35	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND	250	190	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND	250	41	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND	250	29	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND	250	37	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND	250	59	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND	250	46	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND	250	130	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND	250	55	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND	250	27	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND	250	28	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND	250	32	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND	250	67	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND	250	46	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND	250	53	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND	250	48	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND	250	99	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND	1500	220	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND	500	69	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	ND	250	41	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND	250	67	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND	250	46	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND	250	45	ug/Kg	03/01/14	HM	SW8260	
o-Xylene	ND	250	96	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	250	36	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	250	47	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	250	72	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	250	40	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	250	53	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	500	230	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	250	40	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	250	50	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	250	51	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	500	460	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	250	53	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	250	56	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	250	39	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	250	81	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	97			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	96			%	03/01/14	HM	70 - 130 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG14324

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	98			%	03/01/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

100% Solid Assumed

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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/27/14	0:00
Location Code:	EBC	Received by:	LDA	02/28/14	16:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG14304
Phoenix ID: BG14325

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/28/14	I	E160.3
Field Extraction	Completed				02/27/14		SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	03/01/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/01/14	HM	SW8260
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	03/01/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/01/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	03/01/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	03/01/14	HM	SW8260
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	03/01/14	HM	SW8260
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	03/01/14	HM	SW8260
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	03/01/14	HM	SW8260
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	03/01/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	03/01/14	HM	SW8260
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	03/01/14	HM	SW8260
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	03/01/14	HM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	03/01/14	HM	SW8260
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	03/01/14	HM	SW8260
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	03/01/14	HM	SW8260
2-Hexanone	ND	25	2.3	ug/Kg	03/01/14	HM	SW8260
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	03/01/14	HM	SW8260 1

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG14325

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.0	0.58	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		50	5.0	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		10	2.8	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.0	0.99	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.0	0.65	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.0	0.73	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.0	0.62	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.0	0.70	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.0	3.9	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.0	0.81	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.0	0.74	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.0	1.2	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.0	0.91	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.0	2.6	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.0	0.56	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.0	0.63	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.0	0.91	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.0	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.0	0.96	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.0	2.0	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		30	4.3	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.2	J	5.0	0.82	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.0	1.3	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.0	0.91	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.0	0.90	ug/Kg	03/01/14	HM	SW8260	
o-Xylene	ND		5.0	1.9	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND		5.0	0.72	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND		5.0	0.94	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND		5.0	1.4	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND		5.0	0.80	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND		5.0	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		10	4.5	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND		5.0	0.79	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.3	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND		5.0	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND		5.0	1.6	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96				%	03/01/14	HM	59 - 113 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG14325

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	95			%	03/01/14	HM	70 - 130 %
% Toluene-d8	99			%	03/01/14	HM	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

100% Solid Assumed

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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBG14304 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14304	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	7300	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	7300	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7300	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6900	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6900	270	3900	3900	ug/Kg
BG14304	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6900	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7400	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7400	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7400	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2700	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	270	800	800	ug/Kg
BG14304	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	5900	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	270	1000	1000	ug/Kg
BG14304	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2400	270	500	500	ug/Kg
BG14304	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2400	270	500	500	ug/Kg
BG14304	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	270	500	500	ug/Kg
BG14304	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BG14304	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	27	3.3	3.3	ug/Kg
BG14304	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BG14304	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	14	14	ug/Kg
BG14304	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	27	3.3	3.3	ug/Kg
BG14304	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	27	3.3	3.3	ug/Kg
BG14304	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	92.7	0.35	50	50	mg/kg
BG14304	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.09	0.08	0.81	0.81	mg/Kg
BG14304	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.09	0.08	0.81	0.81	mg/Kg
BG14304	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.09	0.08	0.18	0.18	mg/Kg
BG14304	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	208	6.9	63	63	mg/Kg
BG14304	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1160	6.9	109	109	mg/Kg
BG14306	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	161	7.5	63	63	mg/Kg
BG14308	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14308	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14308	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14308	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	14	14	ug/Kg
BG14308	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14308	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14308	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	50.5	0.38	50	50	mg/kg
BG14308	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.61	0.07	0.18	0.18	mg/Kg
BG14312	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg
BG14312	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg

Sample Criteria Exceedences Report

GBG14304 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14312	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	2500	2400	2400	ug/Kg
BG14312	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	800	800	ug/Kg
BG14312	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	27000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	27000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	27000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	25000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	25000	2500	3900	3900	ug/Kg
BG14312	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	25000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	32000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	32000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	32000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	9400	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	9400	2500	3900	3900	ug/Kg
BG14312	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9400	2500	800	800	ug/Kg
BG14312	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	22000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	22000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	22000	2500	1000	1000	ug/Kg
BG14312	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	5700	2500	500	500	ug/Kg
BG14312	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	5700	2500	500	500	ug/Kg
BG14312	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5700	2500	500	500	ug/Kg
BG14312	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	2200	2500	330	330	ug/Kg
BG14312	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	2500	330	330	ug/Kg
BG14312	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	2500	330	330	ug/Kg
BG14312	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14312	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	72	3.3	3.3	ug/Kg
BG14312	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14312	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	25	14	14	ug/Kg
BG14312	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14312	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
BG14312	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.51	0.07	0.18	0.18	mg/Kg
BG14312	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	84.5	0.7	63	63	mg/Kg
BG14314	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG14314	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG14314	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
BG14314	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	5900	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	5900	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5900	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	4800	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	4800	1300	3900	3900	ug/Kg
BG14314	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4800	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	6100	1300	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBG14304 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14314	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	6100	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6100	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1700	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	1300	800	800	ug/Kg
BG14314	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	4000	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4000	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	1300	1000	1000	ug/Kg
BG14314	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	1300	500	500	ug/Kg
BG14314	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	1300	500	500	ug/Kg
BG14314	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	1300	500	500	ug/Kg
BG14314	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BG14314	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BG14314	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG14314	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	9.2	5	5	ug/Kg
BG14314	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	3.3	3.3	ug/Kg
BG14314	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	9.2	5	5	ug/Kg
BG14314	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG14314	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG14318	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	520	330	330	ug/Kg
BG14318	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	520	330	330	ug/Kg
BG14318	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2600	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2500	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3700	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3700	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3700	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	520	800	800	ug/Kg
BG14318	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2300	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	520	1000	1000	ug/Kg
BG14318	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	650	520	500	500	ug/Kg
BG14318	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	650	520	500	500	ug/Kg
BG14318	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	650	520	500	500	ug/Kg
BG14318	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	520	330	330	ug/Kg
BG14318	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	520	330	330	ug/Kg
BG14318	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	520	330	330	ug/Kg
BG14318	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14318	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg

Sample Criteria Exceedences Report

GBG14304 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14318	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	5	5	ug/Kg
BG14318	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	14	14	ug/Kg
BG14318	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14318	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	26	3.3	3.3	ug/Kg
BG14318	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	1260	0.7	350	350	mg/Kg
BG14318	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	1260	0.7	400	400	mg/Kg
BG14318	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1260	0.7	350	350	mg/Kg
BG14318	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	166	3.7	50	50	mg/kg
BG14318	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.97	0.06	0.81	0.81	mg/Kg
BG14318	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.97	0.06	0.81	0.81	mg/Kg
BG14318	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.97	0.06	0.18	0.18	mg/Kg
BG14318	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	844	7.3	400	400	mg/Kg
BG14318	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	844	7.3	400	400	mg/Kg
BG14318	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	844	7.3	63	63	mg/Kg
BG14318	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	325	7.3	109	109	mg/Kg
BG14319	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.48	0.07	0.18	0.18	mg/Kg
BG14319	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	479	6.6	400	400	mg/Kg
BG14319	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	479	6.6	400	400	mg/Kg
BG14319	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	479	6.6	63	63	mg/Kg
BG14319	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	239	6.6	109	109	mg/Kg
BG14320	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	220	36	100	100	ug/Kg
BG14320	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.2	3.3	3.3	ug/Kg
BG14320	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.95	0.07	0.81	0.81	mg/Kg
BG14320	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.95	0.07	0.81	0.81	mg/Kg
BG14320	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.95	0.07	0.18	0.18	mg/Kg
BG14320	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	269	7.3	63	63	mg/Kg
BG14320	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	142	0.7	109	109	mg/Kg
BG14322	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	250	1000	1000	ug/Kg
BG14322	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	250	1000	1000	ug/Kg
BG14322	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	250	1000	1000	ug/Kg
BG14322	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	35	100	100	ug/Kg
BG14322	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	17	5	5	ug/Kg
BG14322	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	25	3.3	3.3	ug/Kg
BG14322	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	17	5	5	ug/Kg
BG14322	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	17	14	14	ug/Kg
BG14322	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	25	3.3	3.3	ug/Kg
BG14322	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	25	3.3	3.3	ug/Kg
BG14322	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.52	0.06	0.18	0.18	mg/Kg
BG14324	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg

Sample Criteria Exceedences Report

GBG14304 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG14324	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG14324	$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG14324	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG14324	$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG14324	$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG14324	$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	50	50	ug/Kg
BG14324	$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

March 10, 2014

SDG I.D.: GBG14304

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

4°W/C+I Temp

Pg 1 of 2

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

Client Services (860) 645-8726

Data Delivery:
- [ ] Fax #:
- [x] Email: csosik@sbcinceng.com

Customer: EBC
Address: Ridge NY

Project: Block 3152 Bklyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 6315041 6000
Fax #:

Sampler's Signature: [signature]
Date: 2-27-14

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCB	TAL Metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
14304	SB 18 0-2	S	2-27-14	700	X	X	X	X						1	1			
14305	SB 18 13-15	↓	↓	720	↓	↓	↓	↓						↓	↓			
14306	SB 16 0-2	↓	↓	740	↓	↓	↓	↓						↓	↓			
14307	SB 16 13-15	↓	↓	800	↓	↓	↓	↓						↓	↓			
14308	SB 17 0-2	↓	↓	820	↓	↓	↓	↓						↓	↓			
14309	SB 17 13-15	↓	↓	840	↓	↓	↓	↓						↓	↓			
14310	SB 10 0-2	↓	↓	900	↓	↓	↓	↓						↓	↓			
14311	SB 10 13-15	↓	↓	920	↓	↓	↓	↓						↓	↓			
14312	SB 20 0-2	↓	↓	940	↓	↓	↓	↓						↓	↓			
14313	SB 20 13-15	↓	↓	1000	↓	↓	↓	↓						↓	↓			
14314	SB 14 0-2	↓	↓	1020	↓	↓	↓	↓						↓	↓			
14315	SB 14 13-15	↓	↓	1040	↓	↓	↓	↓						↓	↓			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2-28-14	11:20
[signature]	Cparadise	2-28-14	1610

Comments, Special Requirements or Regulations:

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

* SURCHARGE APPLIES

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

NY
- [ ] TOGS GA GW
- [ ] CP-51 Soil
- [x] NY375 Unrestricted Soil
- [x] NY375 Residential Soil
- [x] NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

4°w/c+IP Temp Pg 2 of 2

Data Delivery:
☐ Fax #:
☒ Email: csosik@elocinemy.com

Customer: EBC
Address: Ridge NY

Project: Block 3152 Bklyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 6315046000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 2-27-14

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	TAL metals	Pest/PCBs	Soil VOA [ ]Methanol [ ]S. Bisulfate [ ]H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
14316	SB 13 0-2	S	2-27	1100	X	X	X	X			1	1	X					
14317	SB 13 13-15	↓	↓	1120	↓	↓	↓	↓			↓	↓						
14318	SB 9 0-2			1140														
14319	SB 9 13-15			1200														
14320	SB 11 0-2			1220														
14321	SB 11 13-15			1240														
14322	SB 19 0-2			1300														
14323	SB 19 13-15			1310	X	X	X	X			1	1	X					
14324	hr trip blank				X					1								
14325	lo trip blank				X					2								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2-28-14	11:20
[signature]	Charadite	2-28-14	1610

Comments, Special Requirements or Regulations:

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

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

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Monday, March 10, 2014

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

Project ID: BLOCK 3152 BRKLYN NY
Sample ID#s: BG13680 - BG13691

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	13:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13680

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	7860		35	7.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.7		0.7	0.71	mg/Kg	02/28/14	EK	SW6010
Barium	93.5		0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.57		0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	26400	*	35	32	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.77		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	7.10		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	18.1		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	24.0	*	0.35	0.28	mg/kg	02/28/14	EK	SW6010
Iron	38400		35	35	mg/Kg	02/28/14	EK	SW6010
Mercury	0.52	N*	0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	3430	N	7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	5510	*	35	2.1	mg/Kg	02/28/14	EK	SW6010
Manganese	646	N	3.5	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	253	N	7	3.0	mg/Kg	02/28/14	EK	SW6010
Nickel	19.5		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	51.9		0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	31.1		0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	71.8	*	0.7	0.35	mg/Kg	02/28/14	EK	SW6010
Percent Solid	92				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG13680

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	15	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	110	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	16	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	4.2	4.2	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	96			%	02/28/14	MH	30 - 150 %
% TCMX	98			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/28/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/28/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG13680

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	02/28/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		270	54	ug/Kg	02/28/14	HM	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	02/28/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		270	54	ug/Kg	02/28/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		270	39	ug/Kg	02/28/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	73	ug/Kg	02/28/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	02/28/14	HM	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	02/28/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	02/28/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	02/28/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		270	36	ug/Kg	02/28/14	HM	SW8260	
1,3-Dichlorobenzene	ND		270	40	ug/Kg	02/28/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	02/28/14	HM	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	02/28/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	02/28/14	HM	SW8260	
2-Chlorotoluene	ND		270	43	ug/Kg	02/28/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	02/28/14	HM	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	02/28/14	HM	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	02/28/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	02/28/14	HM	SW8260	
Acetone	15	JS	54	5.4	ug/Kg	02/28/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	02/28/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	02/28/14	HM	SW8260	
Bromobenzene	ND		270	35	ug/Kg	02/28/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	02/28/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	02/28/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	02/28/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	02/28/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	02/28/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	02/28/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	02/28/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	02/28/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	02/28/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	02/28/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	02/28/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	02/28/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	02/28/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	02/28/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	02/28/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	02/28/14	HM	SW8260	
Hexachlorobutadiene	ND		270	57	ug/Kg	02/28/14	HM	SW8260	
Isopropylbenzene	ND		270	52	ug/Kg	02/28/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	02/28/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	02/28/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	02/28/14	HM	SW8260	
Methylene chloride	1.4	JS	5.4	0.89	ug/Kg	02/28/14	HM	SW8260	
Naphthalene	110	J	270	73	ug/Kg	02/28/14	HM	SW8260	
n-Butylbenzene	ND		270	49	ug/Kg	02/28/14	HM	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	02/28/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	HM	SW8260	
p-Isopropyltoluene	ND	270	39	ug/Kg	02/28/14	HM	SW8260	
sec-Butylbenzene	ND	270	51	ug/Kg	02/28/14	HM	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	02/28/14	HM	SW8260	
tert-Butylbenzene	ND	270	43	ug/Kg	02/28/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/28/14	HM	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	02/28/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	540	500	ug/Kg	02/28/14	HM	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/28/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/28/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/28/14	HM	70 - 121 %	
% Bromofluorobenzene	90			%	02/28/14	HM	59 - 113 %	
% Dibromofluoromethane	91			%	02/28/14	HM	70 - 130 %	
% Toluene-d8	88			%	02/28/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	710	160	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG13680

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	81			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	70			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG13680

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	73			%	02/28/14	DD	23 - 120 %
% Phenol-d5	72			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	92			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	13:20
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13681

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.30		0.30	0.18	mg/Kg	02/28/14	EK	SW6010
Aluminum	3390		30	6.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	0.9		0.6	0.61	mg/Kg	02/28/14	EK	SW6010
Barium	35.6		0.6	0.12	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.25		0.24	0.12	mg/Kg	02/28/14	EK	SW6010
Calcium	5980		3.0	2.8	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.30	B*	0.30	0.12	mg/Kg	02/28/14	EK	SW6010
Cobalt	3.53		0.30	0.12	mg/Kg	02/28/14	EK	SW6010
Chromium	11.1		0.30	0.12	mg/Kg	02/28/14	EK	SW6010
Copper	11.1		0.30	0.24	mg/kg	02/28/14	EK	SW6010
Iron	17300		30	30	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	772	N	6	2.4	mg/Kg	02/28/14	EK	SW6010
Magnesium	3390		3.0	0.18	mg/Kg	02/28/14	EK	SW6010
Manganese	314	N	3.0	1.2	mg/Kg	02/28/14	EK	SW6010
Sodium	188	N	6	2.6	mg/Kg	02/28/14	EK	SW6010
Nickel	7.83		0.30	0.12	mg/Kg	02/28/14	EK	SW6010
Lead	2.9		0.6	0.18	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.5		1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.2		1.2	1.0	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.2		1.2	1.2	mg/Kg	02/28/14	EK	SW6010
Vanadium	19.7		0.3	0.12	mg/Kg	02/28/14	EK	SW6010
Zinc	15.8		0.6	0.30	mg/Kg	02/28/14	EK	SW6010
Percent Solid	96				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 13-15

Phoenix I.D.: BG13681

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	42			%	02/28/14	AW	30 - 150 %
% TCMX	40			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	54			%	02/28/14	MH	30 - 150 %
% TCMX	57			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.74	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	02/28/14	JLI	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 13-15

Phoenix I.D.: BG13681

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.74	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.75	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND		5.2	0.46	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND		5.2	0.74	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.69	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.77	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.82	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND		5.2	0.88	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND		5.2	0.72	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND		52	5.2	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND		5.2	0.68	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND		5.2	0.76	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND		5.2	0.65	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND		5.2	0.73	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND		5.2	0.77	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND		5.2	0.95	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND		5.2	0.66	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND		5.2	0.95	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND		5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND		5.2	2.1	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	0.95	JS	5.2	0.85	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND		5.2	0.95	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND		5.2	0.94	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.2	0.75	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.2	0.98	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.2	0.83	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.7	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.2	0.82	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.7	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.2	1.2	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.81	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	90			%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	92			%	02/28/14	JLI	70 - 130 %	
% Toluene-d8	96			%	02/28/14	JLI	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	02/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	02/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	02/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	02/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	02/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	02/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	02/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	02/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	02/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	02/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	02/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	02/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	02/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	02/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	02/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	02/27/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 13-15

Phoenix I.D.: BG13681

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	02/27/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
Acenaphthylene	ND	240	96	ug/Kg	02/27/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Aniline	ND	1700	700	ug/Kg	02/27/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
Benzidine	ND	690	200	ug/Kg	02/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Benzoic acid	ND	1700	690	ug/Kg	02/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	89	ug/Kg	02/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	02/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	93	ug/Kg	02/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	02/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	02/27/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	02/27/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	92	ug/Kg	02/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	89	ug/Kg	02/27/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	02/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Isophorone	ND	240	96	ug/Kg	02/27/14	DD	SW 8270	
Naphthalene	ND	240	99	ug/Kg	02/27/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	02/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	02/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	02/27/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	02/27/14	DD	SW 8270	
Phenanthrene	ND	240	99	ug/Kg	02/27/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	02/27/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	02/27/14	DD	SW 8270	
Pyridine	ND	240	85	ug/Kg	02/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86			%	02/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	83			%	02/27/14	DD	30 - 115 %	
% 2-Fluorophenol	75			%	02/27/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB3 13-15

Phoenix I.D.: BG13681

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	02/27/14	DD	23 - 120 %
% Phenol-d5	77			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	93			%	02/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	13:40
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13682

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32		0.32	0.19	mg/Kg	02/28/14	EK	SW6010
Aluminum	5280		32	6.5	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.3		0.6	0.65	mg/Kg	02/28/14	EK	SW6010
Barium	40.7		0.6	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.33		0.26	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	52700		32	30	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.26	B*	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.89		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	10.8		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	20.4		0.32	0.26	mg/kg	02/28/14	EK	SW6010
Iron	15100		32	32	mg/Kg	02/28/14	EK	SW6010
Mercury	0.06	B	0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1170	N	6	2.5	mg/Kg	02/28/14	EK	SW6010
Magnesium	10900		32	1.9	mg/Kg	02/28/14	EK	SW6010
Manganese	705	N	3.2	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	357	N	6	2.8	mg/Kg	02/28/14	EK	SW6010
Nickel	9.09		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	26.7		0.6	0.19	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	20.6		0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	37.4		0.6	0.32	mg/Kg	02/28/14	EK	SW6010
Percent Solid	92				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG13682

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	02/28/14	AW	30 - 150 %
% TCMX	66			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	97			%	02/28/14	MH	30 - 150 %
% TCMX	98			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG13682

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		54	5.4	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.1	JS	5.4	0.89	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	89			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	97			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	99			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	87	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG13682

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	700	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	700	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	68			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	88			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	74			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG13682

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	02/28/14	DD	23 - 120 %
% Phenol-d5	79			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	104			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	14:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13683

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6090		35	7.0	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.4		0.7	0.70	mg/Kg	02/28/14	EK	SW6010
Barium	40.0		0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.38		0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1140		3.5	3.2	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.31	B*	0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.10		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	19.6		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	15.9		0.35	0.28	mg/kg	02/28/14	EK	SW6010
Iron	21000		35	35	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1850	N	7	2.7	mg/Kg	02/28/14	EK	SW6010
Magnesium	2820		3.5	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	399	N	3.5	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	205	N	7	3.0	mg/Kg	02/28/14	EK	SW6010
Nickel	12.0		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	14.2		0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	32.5		0.3	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	28.2		0.7	0.35	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 13-15

Phoenix I.D.: BG13683

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	75			%	02/28/14	AW	30 - 150 %
% TCMX	67			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	101			%	02/28/14	MH	30 - 150 %
% TCMX	99			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
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Phoenix I.D.: BG13683

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		54	5.3	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.0	JS	5.4	0.88	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	100			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 13-15

Phoenix I.D.: BG13683

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	77			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	70			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB1 13-15

Phoenix I.D.: BG13683

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	74			%	02/28/14	DD	23 - 120 %
% Phenol-d5	70			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	92			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	14:20
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13684

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	5480		36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.9		0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	35.5		0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.44		0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	3060		3.6	3.4	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.29	B*	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.39		0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	17.3		0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	16.0		0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	19600		36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1170	N	7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	1820		3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	345	N	3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	120	N	7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	10.7		0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	15.2		0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8		1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	26.6		0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	28.2		0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	89				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG13684

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	02/28/14	AW	30 - 150 %
% TCMX	79			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	104			%	02/28/14	MH	30 - 150 %
% TCMX	97			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG13684

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.6	0.80	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.6	0.81	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.6	0.62	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.80	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.6	0.74	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.6	0.83	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.60	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.6	0.89	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.94	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.6	0.90	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.6	0.78	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.6	0.65	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		56	5.6	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.6	0.73	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.82	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.70	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.6	0.79	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.91	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.65	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.83	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.61	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.63	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.6	0.71	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	4.9	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.1	JS	5.6	0.92	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.6	0.89	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	101			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	101			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	750	170	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1900	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG13684

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1900	170	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND		260	100	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND		1900	750	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	430		260	130	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND		750	220	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	720		260	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	850		260	130	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	780		260	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	300		260	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND		1900	750	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		260	100	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	450		260	130	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	640		260	120	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	530		260	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND		260	100	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND		260	130	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND		260	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	210	J	260	110	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	700		260	130	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND		260	92	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82				%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	86				%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	77				%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG13684

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	02/28/14	DD	23 - 120 %
% Phenol-d5	77			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	94			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	14:40
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13685

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32		0.32	0.19	mg/Kg	02/28/14	EK	SW6010
Aluminum	3210		32	6.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.6		0.6	0.64	mg/Kg	02/28/14	EK	SW6010
Barium	35.0		0.6	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.34		0.26	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	1180		3.2	3.0	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.49	*	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.53		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	12.4		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	15.4		0.32	0.26	mg/kg	02/28/14	EK	SW6010
Iron	27100		32	32	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	684	N	6	2.5	mg/Kg	02/28/14	EK	SW6010
Magnesium	1380		3.2	0.19	mg/Kg	02/28/14	EK	SW6010
Manganese	618	N	3.2	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	131	N	6	2.8	mg/Kg	02/28/14	EK	SW6010
Nickel	6.92		0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	4.3		0.6	0.19	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.6		1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	24.7		0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	17.5		0.6	0.32	mg/Kg	02/28/14	EK	SW6010
Percent Solid	96				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG13685

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	96			%	02/28/14	AW	30 - 150 %
% TCMX	86			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	02/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	106			%	02/28/14	MH	30 - 150 %
% TCMX	108			%	02/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.74	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG13685

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.75	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.2	0.46	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.69	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.82	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.2	0.88	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.2	0.72	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		52	5.2	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.2	0.68	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.2	0.76	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.2	0.65	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.2	0.73	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.2	0.66	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.2	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	0.89	JS	5.2	0.85	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.2	0.94	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.2	0.75	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.2	0.98	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.2	0.83	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	10	4.7	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.2	0.82	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.7	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.2	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.81	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	101			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	97	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	240	97	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	680	160	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1700	740	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	680	160	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG13685

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	240	95	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1700	690	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	680	200	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1700	680	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	88	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	92	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	91	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	88	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	240	95	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	240	98	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	240	97	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	240	84	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	80			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	83			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	69			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG13685

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	77			%	02/28/14	DD	23 - 120 %
% Phenol-d5	72			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	97			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	15:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13686

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.23	mg/Kg	02/28/14	EK	SW6010
Aluminum	7530		38	7.7	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.5		0.8	0.77	mg/Kg	02/28/14	EK	SW6010
Barium	46.5		0.8	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.64		0.31	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1800		3.8	3.5	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.62	*	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.11		0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	37.3		0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	19.3		0.38	0.31	mg/kg	02/28/14	EK	SW6010
Iron	38400		38	38	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1780	N	8	3.0	mg/Kg	02/28/14	EK	SW6010
Magnesium	2700		3.8	0.23	mg/Kg	02/28/14	EK	SW6010
Manganese	563	N	3.8	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	146	N	8	3.3	mg/Kg	02/28/14	EK	SW6010
Nickel	14.9		0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	16.4		0.8	0.23	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.9		1.9	1.9	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	77.2		0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	33.8		0.8	0.38	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG13686

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	02/28/14	AW	30 - 150 %
% TCMX	77			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	103			%	03/03/14	MH	30 - 150 %
% TCMX	93			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG13686

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		54	5.3	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.0	JS	5.4	0.88	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	95			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	97			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	99			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG13686

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	82			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	87			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	75			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
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Phoenix I.D.: BG13686

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	02/28/14	DD	23 - 120 %
% Phenol-d5	75			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	97			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	15:20
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13687

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	3300		34	6.8	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.1		0.7	0.68	mg/Kg	02/28/14	EK	SW6010
Barium	34.8		0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.34		0.27	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1230		3.4	3.1	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.49	*	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.09		0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	15.1		0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	12.1		0.34	0.27	mg/kg	02/28/14	EK	SW6010
Iron	26200		34	34	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	751	N	7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	1880		3.4	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	532	N	3.4	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	180	N	7	2.9	mg/Kg	02/28/14	EK	SW6010
Nickel	15.3		0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	5.1		0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4		1.4	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	31.1		0.3	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	21.0		0.7	0.34	mg/Kg	02/28/14	EK	SW6010
Percent Solid	96				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 13-15

Phoenix I.D.: BG13687

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	97			%	02/28/14	AW	30 - 150 %
% TCMX	83			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	109			%	03/03/14	MH	30 - 150 %
% TCMX	103			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.74	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260

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Phoenix I.D.: BG13687

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.75	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.2	0.46	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.2	0.74	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.69	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.82	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.2	0.88	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.2	0.72	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		52	5.2	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.2	0.68	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.2	0.76	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.2	0.65	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.2	0.73	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.2	0.77	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.2	0.66	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.2	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	0.98	JS	5.2	0.85	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.2	0.95	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.2	0.94	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.2	0.75	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.2	0.98	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.2	0.83	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	10	4.7	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.2	0.82	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.7	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.2	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.81	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	95			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	100			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	84	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	240	210	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	680	160	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1700	740	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	360	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	680	160	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 13-15

Phoenix I.D.: BG13687

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	150	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	240	95	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1700	680	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	680	200	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1700	680	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	87	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	91	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	240	99	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	90	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	87	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	240	99	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	240	95	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	240	98	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	96	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	240	97	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	240	83	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	83			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	70			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB8 13-15

Phoenix I.D.: BG13687

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	02/28/14	DD	23 - 120 %
% Phenol-d5	71			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	94			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	15:40
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13688

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	8000		33	6.6	mg/Kg	02/28/14	EK	SW6010
Arsenic	2.0		0.7	0.66	mg/Kg	02/28/14	EK	SW6010
Barium	42.7		0.7	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.49		0.26	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	2060		3.3	3.0	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.28	B*	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.32		0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	20.2		0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	18.0		0.33	0.26	mg/kg	02/28/14	EK	SW6010
Iron	23100		33	33	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1420	N	7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	2400		3.3	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	359	N	3.3	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	79	N	7	2.8	mg/Kg	02/28/14	EK	SW6010
Nickel	13.5		0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	7.6		0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	37.3		0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	33.0		0.7	0.33	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 0-2

Phoenix I.D.: BG13688

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	89			%	02/28/14	AW	30 - 150 %
% TCMX	76			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	108			%	03/03/14	MH	30 - 150 %
% TCMX	100			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 0-2

Phoenix I.D.: BG13688

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		280	39	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		280	40	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		280	74	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		280	31	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.79	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		280	37	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		280	41	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.59	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		280	44	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.93	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		280	44	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		280	38	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		280	32	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		56	5.5	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		280	36	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.81	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.69	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.6	0.78	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.90	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.64	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.82	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.60	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.62	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.6	0.70	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		280	58	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		280	53	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	1.1	JS	5.6	0.91	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		280	74	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		280	51	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		280	50	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	280	40	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	280	52	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	280	44	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.6	0.88	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	560	520	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	100			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	95			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

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Phoenix I.D.: BG13688

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	96	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	80			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	63			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	02/28/14	DD	23 - 120 %
% Phenol-d5	67			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	95			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	16:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13689

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	3760		35	6.9	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.3		0.7	0.69	mg/Kg	02/28/14	EK	SW6010
Barium	23.9		0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.28		0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1220		3.5	3.2	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.18	B*	0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.57		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	14.3		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	11.6		0.35	0.28	mg/kg	02/28/14	EK	SW6010
Iron	11600		35	35	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	826	N	7	2.7	mg/Kg	02/28/14	EK	SW6010
Magnesium	1860		3.5	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	354	N	3.5	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	90	N	7	3.0	mg/Kg	02/28/14	EK	SW6010
Nickel	24.7		0.35	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	4.9		0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7		1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	14.6		0.3	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	17.7		0.7	0.35	mg/Kg	02/28/14	EK	SW6010
Percent Solid	94				%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed					02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed					02/28/14	I/I	SW7471

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 13-15

Phoenix I.D.: BG13689

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	90			%	02/28/14	AW	30 - 150 %
% TCMX	79			%	02/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	170	170	ug/Kg	03/03/14	MH	SW8081
QA/QC Surrogates							
% DCBP	108			%	03/03/14	MH	30 - 150 %
% TCMX	100			%	03/03/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	03/01/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	03/01/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	03/01/14	HM	SW8260

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Phoenix I.D.: BG13689

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.76	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.77	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.59	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	03/01/14	HM	SW8260	
1,2-Dichloropropane	ND		5.3	0.76	ug/Kg	03/01/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.79	ug/Kg	03/01/14	HM	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	03/01/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	03/01/14	HM	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	03/01/14	HM	SW8260	
2-Chlorotoluene	ND		5.3	0.85	ug/Kg	03/01/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	03/01/14	HM	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	03/01/14	HM	SW8260	1
4-Chlorotoluene	ND		5.3	0.62	ug/Kg	03/01/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	03/01/14	HM	SW8260	
Acetone	ND		53	5.3	ug/Kg	03/01/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	03/01/14	HM	SW8260	
Benzene	ND		5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
Bromobenzene	ND		5.3	0.69	ug/Kg	03/01/14	HM	SW8260	
Bromochloromethane	ND		5.3	0.78	ug/Kg	03/01/14	HM	SW8260	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	03/01/14	HM	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	03/01/14	HM	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	03/01/14	HM	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	03/01/14	HM	SW8260	
Carbon tetrachloride	ND		5.3	0.62	ug/Kg	03/01/14	HM	SW8260	
Chlorobenzene	ND		5.3	0.79	ug/Kg	03/01/14	HM	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	03/01/14	HM	SW8260	
Chloroform	ND		5.3	0.97	ug/Kg	03/01/14	HM	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	03/01/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	03/01/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	03/01/14	HM	SW8260	
Dibromochloromethane	ND		5.3	0.60	ug/Kg	03/01/14	HM	SW8260	
Dibromomethane	ND		5.3	0.67	ug/Kg	03/01/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	03/01/14	HM	SW8260	
Ethylbenzene	ND		5.3	0.97	ug/Kg	03/01/14	HM	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	03/01/14	HM	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	03/01/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	03/01/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	03/01/14	HM	SW8260	
Methylene chloride	0.94	JS	5.3	0.87	ug/Kg	03/01/14	HM	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	03/01/14	HM	SW8260	
n-Butylbenzene	ND		5.3	0.97	ug/Kg	03/01/14	HM	SW8260	
n-Propylbenzene	ND		5.3	0.96	ug/Kg	03/01/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	03/01/14	HM	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	03/01/14	HM	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	03/01/14	HM	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	03/01/14	HM	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	03/01/14	HM	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	03/01/14	HM	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	03/01/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	03/01/14	HM	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	03/01/14	HM	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	03/01/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	03/01/14	HM	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	03/01/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	03/01/14	HM	70 - 121 %	
% Bromofluorobenzene	95			%	03/01/14	HM	59 - 113 %	
% Dibromofluoromethane	97			%	03/01/14	HM	70 - 130 %	
% Toluene-d8	101			%	03/01/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	87	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	160	ug/Kg	02/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	350	ug/Kg	02/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	02/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	170	ug/Kg	02/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	760	ug/Kg	02/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	02/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 13-15

Phoenix I.D.: BG13689

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Acenaphthylene	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Aniline	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzidine	ND	700	210	ug/Kg	02/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Benzoic acid	ND	1800	700	ug/Kg	02/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	02/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	02/28/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Isophorone	ND	250	98	ug/Kg	02/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270	
Pyridine	ND	250	86	ug/Kg	02/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	66			%	02/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	75			%	02/28/14	DD	30 - 115 %	
% 2-Fluorophenol	61			%	02/28/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: SB12 13-15

Phoenix I.D.: BG13689

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	70			%	02/28/14	DD	23 - 120 %
% Phenol-d5	62			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	90			%	02/28/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory 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

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	0:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13690

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100			%	02/27/14	I	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	02/28/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	02/28/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	02/28/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	02/28/14	JLI	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	02/28/14	JLI	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	02/28/14	JLI	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	02/28/14	JLI	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	02/28/14	JLI	SW8260	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG13690

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		1300	60	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND		2500	250	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND		500	140	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND		250	50	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND		250	33	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND		250	37	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND		250	31	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND		250	35	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND		250	190	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND		250	37	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND		250	59	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND		250	46	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND		250	130	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND		250	32	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND		250	67	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND		250	53	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND		250	99	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND		1500	220	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	46	JS	250	41	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND		250	67	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND		250	46	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND		250	45	ug/Kg	02/28/14	JLI	SW8260	
o-Xylene	ND		250	96	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND		250	36	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND		250	47	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND		250	72	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND		250	40	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND		500	230	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND		250	40	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND		500	460	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND		250	53	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		250	39	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND		250	81	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93				%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	91				%	02/28/14	JLI	59 - 113 %	
% Dibromofluoromethane	88				%	02/28/14	JLI	70 - 130 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: HI TRIP BLANK

Phoenix I.D.: BG13690

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	99			%	02/28/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

100% Solid Assumed

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.
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Phyllis Shiller, Laboratory Director
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 10, 2014

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	02/26/14	0:00
Location Code:	EBC	Received by:	LDA	02/27/14	15:52
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG13680
Phoenix ID: BG13691

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/27/14	I	E160.3
Field Extraction	Completed				02/26/14		SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	25	2.3	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	02/28/14	JLI	SW8260 1

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG13691

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND	5.0	0.58	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	25	1.2	ug/Kg	02/28/14	JLI	SW8260	
Acetone	ND	50	5.0	ug/Kg	02/28/14	JLI	SW8260	
Acrylonitrile	ND	10	2.8	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	5.0	0.99	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	5.0	0.65	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	5.0	0.73	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	5.0	0.62	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	5.0	0.70	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	5.0	3.9	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	ND	5.0	0.81	ug/Kg	02/28/14	JLI	SW8260	
Carbon tetrachloride	ND	5.0	0.58	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	5.0	0.74	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	5.0	1.2	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	5.0	0.91	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	5.0	2.6	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	5.0	0.56	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	5.0	0.63	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.0	1.3	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	5.0	0.91	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	5.0	0.96	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	5.0	2.0	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	30	4.3	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	1.4	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	ND	5.0	0.82	ug/Kg	02/28/14	JLI	SW8260	
Naphthalene	ND	5.0	1.3	ug/Kg	02/28/14	JLI	SW8260	
n-Butylbenzene	ND	5.0	0.91	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	5.0	0.90	ug/Kg	02/28/14	JLI	SW8260	
o-Xylene	ND	5.0	1.9	ug/Kg	02/28/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.0	0.72	ug/Kg	02/28/14	JLI	SW8260	
sec-Butylbenzene	ND	5.0	0.94	ug/Kg	02/28/14	JLI	SW8260	
Styrene	ND	5.0	1.4	ug/Kg	02/28/14	JLI	SW8260	
tert-Butylbenzene	ND	5.0	0.80	ug/Kg	02/28/14	JLI	SW8260	
Tetrachloroethene	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10	4.5	ug/Kg	02/28/14	JLI	SW8260	1
Toluene	ND	5.0	0.79	ug/Kg	02/28/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.0	1.0	ug/Kg	02/28/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.0	1.0	ug/Kg	02/28/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.3	ug/Kg	02/28/14	JLI	SW8260	
Trichloroethene	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.0	1.1	ug/Kg	02/28/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.0	0.78	ug/Kg	02/28/14	JLI	SW8260	
Vinyl chloride	ND	5.0	1.6	ug/Kg	02/28/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %	
% Bromofluorobenzene	91			%	02/28/14	JLI	59 - 113 %	

Project ID: BLOCK 3152 BRKLYN NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BG13691

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	91			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	97			%	02/28/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

Comments:

100% Solid Assumed

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
March 10, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Sample Criteria Exceedences Report

GBG13680 - EBC

Criteria: NY: 375NR, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG13684	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	530	260	500	500	ug/Kg
BG13684	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	530	260	500	500	ug/Kg
BG13690	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

March 10, 2014

SDG I.D.: GBG13680

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Temp 4°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: csosikeebcinc.ny.com

WK
IP

Customer: EBC EBC
Address: Ridge NY

Project: BLOCK 3152 BKlyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 6315046000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 2-26-14

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	TAL Metals	Pest/PCBs									Soil VOA ☒ Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
13680	SB3 0-2	S	2-26	1300	x	x	x	x										1	1							
13681	SB3 13-15			1320																						
13682	SB1 0-2			1340																						
13683	SB1 13-15			1400																						
13684	SB7 0-2			1420																						
13685	SB7 13-15			1440																						
13686	SB8 0-2			1500																						
13687	SB8 13-15			1520																						
13688	SB12 0-2			1540																						
13689	SB12 13-15			1600	x	x	x	x										1	1							
13690	hi trip blank				x												1									
13691	lo trip blank				x												2									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2-27-14	11:30
[signature]	[signature]	2-27-14	15:52

Comments, Special Requirements or Regulations:

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

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

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Tuesday, January 28, 2014

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

Project ID: BLOCK 3152 BROOKLYN NY
Sample ID#s: BG00904 - BG00908

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

January 28, 2014

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:		01/16/14	9:00
Location Code:	EBC	Received by:	SW	01/20/14	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG00904
Phoenix ID: BG00904

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 9 15-17

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.41		0.41	0.25	mg/Kg	01/21/14	LK	SW6010	
Aluminum	3130		41	8.2	mg/Kg	01/21/14	LK	SW6010	
Arsenic	< 0.8		0.8	0.82	mg/Kg	01/21/14	LK	SW6010	
Barium	22.5		0.8	0.16	mg/Kg	01/21/14	LK	SW6010	
Beryllium	0.20	B	0.33	0.16	mg/Kg	01/21/14	LK	SW6010	
Calcium	1450		4.1	3.8	mg/Kg	01/21/14	LK	SW6010	
Cadmium	< 0.41		0.41	0.16	mg/Kg	01/21/14	LK	SW6010	
Cobalt	2.08		0.41	0.16	mg/Kg	01/21/14	LK	SW6010	
Chromium	6.57		0.41	0.16	mg/Kg	01/21/14	LK	SW6010	
Copper	8.82		0.41	0.33	mg/kg	01/22/14	LK	SW6010	
Iron	9760		41	41	mg/Kg	01/21/14	EK	SW6010	
Mercury	< 0.07		0.07	0.05	mg/Kg	01/21/14	RS	SW-7471	
Potassium	444	N	8	3.2	mg/Kg	01/21/14	LK	SW6010	
Magnesium	1400		4.1	0.25	mg/Kg	01/21/14	LK	SW6010	
Manganese	190	N	4.1	1.6	mg/Kg	01/21/14	LK	SW6010	
Sodium	162	N	8	3.5	mg/Kg	01/21/14	LK	SW6010	
Nickel	6.87		0.41	0.16	mg/Kg	01/21/14	LK	SW6010	
Lead	6.1		0.8	0.25	mg/Kg	01/21/14	LK	SW6010	
Antimony	< 2.0		2.0	0.82	mg/Kg	01/22/14	LK	SW6010	
Selenium	< 1.6		1.6	1.4	mg/Kg	01/21/14	LK	SW6010	
Thallium	< 1.6		1.6	1.6	mg/Kg	01/21/14	LK	SW6010	
Vanadium	10.7		0.4	0.16	mg/Kg	01/21/14	LK	SW6010	
Zinc	13.1		0.8	0.41	mg/Kg	01/22/14	LK	SW6010	B
Percent Solid	86				%	01/20/14	I	E160.3	
Soil Extraction for PCB	Completed					01/20/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					01/20/14	BB	SW3545	
Soil Extraction for SVOA	Completed					01/20/14	JJ/V	SW3545	
Mercury Digestion	Completed					01/21/14	I/I	SW7471	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 9 15-17

Phoenix I.D.: BG00904

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/20/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	01/21/14	AW	30 - 150 %
% TCMX	70			%	01/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	01/21/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	01/21/14	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/21/14	MH	SW8081
QA/QC Surrogates							
% DCBP	74			%	01/21/14	MH	30 - 150 %
% TCMX	67			%	01/21/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	0.95	ug/Kg	01/21/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.83	ug/Kg	01/21/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	01/21/14	HM	SW8260

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 9 15-17

Phoenix I.D.: BG00904

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.8	0.83	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.8	0.84	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.8	1.6	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromoethane	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.8	0.64	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloroethane	ND		5.8	0.51	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloropropane	ND		5.8	0.83	ug/Kg	01/21/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.8	0.77	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.8	0.86	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichloropropane	ND		5.8	0.62	ug/Kg	01/21/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.8	0.92	ug/Kg	01/21/14	HM	SW8260	
2,2-Dichloropropane	ND		5.8	0.98	ug/Kg	01/21/14	HM	SW8260	
2-Chlorotoluene	ND		5.8	0.93	ug/Kg	01/21/14	HM	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	01/21/14	HM	SW8260	
2-Isopropyltoluene	ND		5.8	0.80	ug/Kg	01/21/14	HM	SW8260	1
4-Chlorotoluene	ND		5.8	0.67	ug/Kg	01/21/14	HM	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	01/21/14	HM	SW8260	
Acetone	ND		58	5.8	ug/Kg	01/21/14	HM	SW8260	
Acrylonitrile	ND		12	3.3	ug/Kg	01/21/14	HM	SW8260	
Benzene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Bromobenzene	ND		5.8	0.76	ug/Kg	01/21/14	HM	SW8260	
Bromochloromethane	ND		5.8	0.85	ug/Kg	01/21/14	HM	SW8260	
Bromodichloromethane	ND		5.8	0.72	ug/Kg	01/21/14	HM	SW8260	
Bromoform	ND		5.8	0.81	ug/Kg	01/21/14	HM	SW8260	
Bromomethane	ND		5.8	4.5	ug/Kg	01/21/14	HM	SW8260	
Carbon Disulfide	ND		5.8	0.94	ug/Kg	01/21/14	HM	SW8260	
Carbon tetrachloride	ND		5.8	0.67	ug/Kg	01/21/14	HM	SW8260	
Chlorobenzene	ND		5.8	0.86	ug/Kg	01/21/14	HM	SW8260	
Chloroethane	ND		5.8	1.4	ug/Kg	01/21/14	HM	SW8260	
Chloroform	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
Chloromethane	ND		5.8	3.0	ug/Kg	01/21/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.8	1.3	ug/Kg	01/21/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.8	0.63	ug/Kg	01/21/14	HM	SW8260	
Dibromochloromethane	ND		5.8	0.65	ug/Kg	01/21/14	HM	SW8260	
Dibromomethane	ND		5.8	0.73	ug/Kg	01/21/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
Ethylbenzene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
Hexachlorobutadiene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Isopropylbenzene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
m&p-Xylene	ND		5.8	2.3	ug/Kg	01/21/14	HM	SW8260	
Methyl Ethyl Ketone	ND		35	5.0	ug/Kg	01/21/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	01/21/14	HM	SW8260	
Methylene chloride	1.3	J	5.8	0.95	ug/Kg	01/21/14	HM	SW8260	
Naphthalene	ND		5.8	1.6	ug/Kg	01/21/14	HM	SW8260	
n-Butylbenzene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
n-Propylbenzene	ND		5.8	1.0	ug/Kg	01/21/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.8	2.2	ug/Kg	01/21/14	HM	SW8260	
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	01/21/14	HM	SW8260	
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
Styrene	ND	5.8	1.7	ug/Kg	01/21/14	HM	SW8260	
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	01/21/14	HM	SW8260	
Tetrachloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	01/21/14	HM	SW8260	1
Toluene	ND	5.8	0.92	ug/Kg	01/21/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	01/21/14	HM	SW8260	
Trichloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	01/21/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	01/21/14	HM	SW8260	
Vinyl chloride	ND	5.8	1.9	ug/Kg	01/21/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	01/21/14	HM	70 - 121 %	
% Bromofluorobenzene	98			%	01/21/14	HM	59 - 113 %	
% Dibromofluoromethane	101			%	01/21/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/21/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	01/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	01/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	140	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	95	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	270	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	01/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
2-Chlorophenol	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	01/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	390	ug/Kg	01/21/14	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	01/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	01/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	01/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	840	ug/Kg	01/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	01/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	01/21/14	DD	SW 8270	
4-Chloroaniline	ND	770	180	ug/Kg	01/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	01/21/14	DD	SW 8270	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 9 15-17

Phoenix I.D.: BG00904

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	01/21/14	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Acenaphthylene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Aniline	ND	1900	780	ug/Kg	01/21/14	DD	SW 8270	
Anthracene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Benzidine	ND	770	230	ug/Kg	01/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Benzoic acid	ND	1900	770	ug/Kg	01/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	270	99	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	01/21/14	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	01/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	99	ug/Kg	01/21/14	DD	SW 8270	
Fluoranthene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorobenzene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Hexachloroethane	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Isophorone	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Nitrobenzene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	01/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	270	140	ug/Kg	01/21/14	DD	SW 8270	
Pentachlorophenol	ND	270	150	ug/Kg	01/21/14	DD	SW 8270	
Phenanthrene	ND	270	110	ug/Kg	01/21/14	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	01/21/14	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	01/21/14	DD	SW 8270	
Pyridine	ND	270	94	ug/Kg	01/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	01/21/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	85			%	01/21/14	DD	30 - 115 %	
% 2-Fluorophenol	72			%	01/21/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 9 15-17

Phoenix I.D.: BG00904

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	01/21/14	DD	23 - 120 %
% Phenol-d5	73			%	01/21/14	DD	24 - 113 %
% Terphenyl-d14	102			%	01/21/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 28, 2014
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

January 28, 2014

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:		01/16/14	10:00
Location Code:	EBC	Received by:	SW	01/20/14	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG00904
Phoenix ID: BG00905

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33		0.33	0.20	mg/Kg	01/21/14	LK	SW6010	
Aluminum	8010		33	6.7	mg/Kg	01/21/14	LK	SW6010	
Arsenic	2.1		0.7	0.67	mg/Kg	01/21/14	LK	SW6010	
Barium	38.0		0.7	0.13	mg/Kg	01/21/14	LK	SW6010	
Beryllium	0.49		0.27	0.13	mg/Kg	01/21/14	LK	SW6010	
Calcium	5640		3.3	3.1	mg/Kg	01/21/14	LK	SW6010	
Cadmium	0.41		0.33	0.13	mg/Kg	01/21/14	LK	SW6010	
Cobalt	6.93		0.33	0.13	mg/Kg	01/21/14	LK	SW6010	
Chromium	23.2		0.33	0.13	mg/Kg	01/21/14	LK	SW6010	
Copper	38.8		0.33	0.27	mg/kg	01/22/14	LK	SW6010	
Iron	32900		33	33	mg/Kg	01/21/14	EK	SW6010	
Mercury	< 0.07		0.07	0.04	mg/Kg	01/21/14	RS	SW-7471	
Potassium	1150	N	7	2.6	mg/Kg	01/21/14	LK	SW6010	
Magnesium	2640		3.3	0.20	mg/Kg	01/21/14	LK	SW6010	
Manganese	458	N	3.3	1.3	mg/Kg	01/21/14	LK	SW6010	
Sodium	110	N	7	2.9	mg/Kg	01/21/14	LK	SW6010	
Nickel	16.0		0.33	0.13	mg/Kg	01/21/14	LK	SW6010	
Lead	12.9		0.7	0.20	mg/Kg	01/21/14	LK	SW6010	
Antimony	< 1.7		1.7	0.67	mg/Kg	01/22/14	LK	SW6010	
Selenium	< 1.3		1.3	1.1	mg/Kg	01/21/14	LK	SW6010	
Thallium	< 1.3		1.3	1.3	mg/Kg	01/21/14	LK	SW6010	
Vanadium	37.4		0.3	0.13	mg/Kg	01/21/14	LK	SW6010	
Zinc	40.1		0.7	0.33	mg/Kg	01/22/14	LK	SW6010	B
Percent Solid	87				%	01/20/14	I	E160.3	
Soil Extraction for PCB	Completed					01/20/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					01/20/14	BB	SW3545	
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545	
Mercury Digestion	Completed					01/21/14	I/I	SW7471	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG00905

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/20/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	01/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	102			%	01/21/14	AW	30 - 150 %
% TCMX	81			%	01/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	01/21/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/21/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	01/21/14	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/21/14	MH	SW8081
QA/QC Surrogates							
% DCBP	76			%	01/21/14	MH	30 - 150 %
% TCMX	70			%	01/21/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.94	ug/Kg	01/21/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.82	ug/Kg	01/21/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethene	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG00905

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.7	0.82	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromoethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.7	0.63	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloroethane	ND		5.7	0.51	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloropropane	ND		5.7	0.82	ug/Kg	01/21/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.7	0.76	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichloropropane	ND		5.7	0.61	ug/Kg	01/21/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
2,2-Dichloropropane	ND		5.7	0.97	ug/Kg	01/21/14	HM	SW8260	
2-Chlorotoluene	ND		5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	01/21/14	HM	SW8260	
2-Isopropyltoluene	ND		5.7	0.79	ug/Kg	01/21/14	HM	SW8260	1
4-Chlorotoluene	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	01/21/14	HM	SW8260	
Acetone	ND		57	5.7	ug/Kg	01/21/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	01/21/14	HM	SW8260	
Benzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Bromobenzene	ND		5.7	0.75	ug/Kg	01/21/14	HM	SW8260	
Bromochloromethane	ND		5.7	0.84	ug/Kg	01/21/14	HM	SW8260	
Bromodichloromethane	ND		5.7	0.71	ug/Kg	01/21/14	HM	SW8260	
Bromoform	ND		5.7	0.80	ug/Kg	01/21/14	HM	SW8260	
Bromomethane	ND		5.7	4.4	ug/Kg	01/21/14	HM	SW8260	
Carbon Disulfide	ND		5.7	0.93	ug/Kg	01/21/14	HM	SW8260	
Carbon tetrachloride	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
Chlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
Chloroethane	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Chloroform	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Chloromethane	ND		5.7	3.0	ug/Kg	01/21/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.7	0.62	ug/Kg	01/21/14	HM	SW8260	
Dibromochloromethane	ND		5.7	0.64	ug/Kg	01/21/14	HM	SW8260	
Dibromomethane	ND		5.7	0.72	ug/Kg	01/21/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
Ethylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Hexachlorobutadiene	ND		5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Isopropylbenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
m&p-Xylene	ND		5.7	2.3	ug/Kg	01/21/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	5.0	ug/Kg	01/21/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	01/21/14	HM	SW8260	
Methylene chloride	1.0	J	5.7	0.94	ug/Kg	01/21/14	HM	SW8260	
Naphthalene	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
n-Butylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
n-Propylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	01/21/14	HM	SW8260	
p-Isopropyltoluene	ND	5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Styrene	ND	5.7	1.7	ug/Kg	01/21/14	HM	SW8260	
tert-Butylbenzene	ND	5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.2	ug/Kg	01/21/14	HM	SW8260	1
Toluene	ND	5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	01/21/14	HM	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.90	ug/Kg	01/21/14	HM	SW8260	
Vinyl chloride	ND	5.7	1.9	ug/Kg	01/21/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/21/14	HM	70 - 121 %	
% Bromofluorobenzene	92			%	01/21/14	HM	59 - 113 %	
% Dibromofluoromethane	94			%	01/21/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/21/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	92	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	740	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1900	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG00905

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND	1900	750	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND	740	220	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND	1900	740	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	96	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND	1900	280	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	99	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	96	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND	260	91	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	84			%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	92			%	01/27/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 0-2

Phoenix I.D.: BG00905

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	85			%	01/27/14	DD	23 - 120 %
% Phenol-d5	94			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	115			%	01/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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

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

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

Phyllis Shiller, Laboratory Director
January 28, 2014
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

January 28, 2014

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:		01/16/14	10:30
Location Code:	EBC	Received by:	SW	01/20/14	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG00904
Phoenix ID: BG00906

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 15-17

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38		0.38	0.23	mg/Kg	01/21/14	LK	SW6010	
Aluminum	3260		38	7.6	mg/Kg	01/21/14	LK	SW6010	
Arsenic	1.4		0.8	0.76	mg/Kg	01/21/14	LK	SW6010	
Barium	21.3		0.8	0.15	mg/Kg	01/21/14	LK	SW6010	
Beryllium	0.26	B	0.31	0.15	mg/Kg	01/21/14	LK	SW6010	
Calcium	1720		3.8	3.5	mg/Kg	01/21/14	LK	SW6010	
Cadmium	0.15	B	0.38	0.15	mg/Kg	01/21/14	LK	SW6010	
Cobalt	4.71		0.38	0.15	mg/Kg	01/21/14	LK	SW6010	
Chromium	9.58		0.38	0.15	mg/Kg	01/21/14	LK	SW6010	
Copper	11.0		0.38	0.31	mg/kg	01/22/14	LK	SW6010	
Iron	9170		38	38	mg/Kg	01/21/14	EK	SW6010	
Mercury	< 0.07		0.07	0.05	mg/Kg	01/21/14	RS	SW-7471	
Potassium	748	N	8	3.0	mg/Kg	01/21/14	LK	SW6010	
Magnesium	4030		3.8	0.23	mg/Kg	01/21/14	LK	SW6010	
Manganese	187	N	3.8	1.5	mg/Kg	01/21/14	LK	SW6010	
Sodium	159	N	8	3.3	mg/Kg	01/21/14	LK	SW6010	
Nickel	45.5		0.38	0.15	mg/Kg	01/21/14	LK	SW6010	
Lead	4.3		0.8	0.23	mg/Kg	01/21/14	LK	SW6010	
Antimony	< 1.9		1.9	0.76	mg/Kg	01/22/14	LK	SW6010	
Selenium	< 1.5		1.5	1.3	mg/Kg	01/21/14	LK	SW6010	
Thallium	< 1.5		1.5	1.5	mg/Kg	01/21/14	LK	SW6010	
Vanadium	12.3		0.4	0.15	mg/Kg	01/21/14	LK	SW6010	
Zinc	21.9		0.8	0.38	mg/Kg	01/22/14	LK	SW6010	B
Percent Solid	86				%	01/20/14	I	E160.3	
Soil Extraction for PCB	Completed					01/20/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					01/20/14	BB	SW3545	
Soil Extraction for SVOA	Completed					01/20/14	JJ/V	SW3545	
Mercury Digestion	Completed					01/21/14	I/I	SW7471	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/20/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	67			%	01/21/14	AW	30 - 150 %
% TCMX	56			%	01/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	01/21/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	01/21/14	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/21/14	MH	SW8081
QA/QC Surrogates							
% DCBP	53			%	01/21/14	MH	30 - 150 %
% TCMX	53			%	01/21/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	0.94	ug/Kg	01/21/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.82	ug/Kg	01/21/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.8	0.56	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethane	ND	5.8	1.1	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	01/21/14	HM	SW8260

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 10 15-17

Phoenix I.D.: BG00906

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.8	0.82	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.8	0.83	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromoethane	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.8	0.63	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloroethane	ND		5.8	0.51	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloropropane	ND		5.8	0.82	ug/Kg	01/21/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.8	0.76	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.8	0.85	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichloropropane	ND		5.8	0.61	ug/Kg	01/21/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.8	0.91	ug/Kg	01/21/14	HM	SW8260	
2,2-Dichloropropane	ND		5.8	0.97	ug/Kg	01/21/14	HM	SW8260	
2-Chlorotoluene	ND		5.8	0.92	ug/Kg	01/21/14	HM	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	01/21/14	HM	SW8260	
2-Isopropyltoluene	ND		5.8	0.79	ug/Kg	01/21/14	HM	SW8260	1
4-Chlorotoluene	ND		5.8	0.67	ug/Kg	01/21/14	HM	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	01/21/14	HM	SW8260	
Acetone	ND		58	5.7	ug/Kg	01/21/14	HM	SW8260	
Acrylonitrile	ND		12	3.2	ug/Kg	01/21/14	HM	SW8260	
Benzene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
Bromobenzene	ND		5.8	0.75	ug/Kg	01/21/14	HM	SW8260	
Bromochloromethane	ND		5.8	0.84	ug/Kg	01/21/14	HM	SW8260	
Bromodichloromethane	ND		5.8	0.71	ug/Kg	01/21/14	HM	SW8260	
Bromoform	ND		5.8	0.81	ug/Kg	01/21/14	HM	SW8260	
Bromomethane	ND		5.8	4.4	ug/Kg	01/21/14	HM	SW8260	
Carbon Disulfide	ND		5.8	0.93	ug/Kg	01/21/14	HM	SW8260	
Carbon tetrachloride	ND		5.8	0.67	ug/Kg	01/21/14	HM	SW8260	
Chlorobenzene	ND		5.8	0.85	ug/Kg	01/21/14	HM	SW8260	
Chloroethane	ND		5.8	1.3	ug/Kg	01/21/14	HM	SW8260	
Chloroform	ND		5.8	1.0	ug/Kg	01/21/14	HM	SW8260	
Chloromethane	ND		5.8	3.0	ug/Kg	01/21/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.8	1.3	ug/Kg	01/21/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.8	0.62	ug/Kg	01/21/14	HM	SW8260	
Dibromochloromethane	ND		5.8	0.64	ug/Kg	01/21/14	HM	SW8260	
Dibromomethane	ND		5.8	0.73	ug/Kg	01/21/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
Ethylbenzene	ND		5.8	1.0	ug/Kg	01/21/14	HM	SW8260	
Hexachlorobutadiene	ND		5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Isopropylbenzene	ND		5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
m&p-Xylene	ND		5.8	2.3	ug/Kg	01/21/14	HM	SW8260	
Methyl Ethyl Ketone	ND		35	5.0	ug/Kg	01/21/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	01/21/14	HM	SW8260	
Methylene chloride	1.2	J	5.8	0.94	ug/Kg	01/21/14	HM	SW8260	
Naphthalene	ND		5.8	1.5	ug/Kg	01/21/14	HM	SW8260	
n-Butylbenzene	ND		5.8	1.0	ug/Kg	01/21/14	HM	SW8260	
n-Propylbenzene	ND		5.8	1.0	ug/Kg	01/21/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.8	2.2	ug/Kg	01/21/14	HM	SW8260	
p-Isopropyltoluene	ND	5.8	0.83	ug/Kg	01/21/14	HM	SW8260	
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	01/21/14	HM	SW8260	
Styrene	ND	5.8	1.7	ug/Kg	01/21/14	HM	SW8260	
tert-Butylbenzene	ND	5.8	0.92	ug/Kg	01/21/14	HM	SW8260	
Tetrachloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	01/21/14	HM	SW8260	1
Toluene	ND	5.8	0.91	ug/Kg	01/21/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	01/21/14	HM	SW8260	
Trichloroethene	ND	5.8	1.2	ug/Kg	01/21/14	HM	SW8260	
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	01/21/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.8	0.90	ug/Kg	01/21/14	HM	SW8260	
Vinyl chloride	ND	5.8	1.9	ug/Kg	01/21/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/21/14	HM	70 - 121 %	
% Bromofluorobenzene	97			%	01/21/14	HM	59 - 113 %	
% Dibromofluoromethane	106			%	01/21/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/21/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	01/21/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	94	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	01/21/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	01/21/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	01/21/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/21/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/21/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/21/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	01/21/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	01/21/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	01/21/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
4-Chloroaniline	ND	760	180	ug/Kg	01/21/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	01/21/14	DD	SW 8270	

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Phoenix I.D.: BG00906

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	01/21/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Acenaphthylene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	01/21/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Benzidine	ND	760	220	ug/Kg	01/21/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Benzoic acid	ND	1900	760	ug/Kg	01/21/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	01/21/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/21/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	01/21/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	01/21/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	01/21/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	01/21/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	01/21/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	01/21/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/21/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	01/21/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/21/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/21/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	01/21/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	100			%	01/21/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	97			%	01/21/14	DD	30 - 115 %	
% 2-Fluorophenol	82			%	01/21/14	DD	25 - 121 %	

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Phoenix I.D.: BG00906

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	87			%	01/21/14	DD	23 - 120 %
% Phenol-d5	85			%	01/21/14	DD	24 - 113 %
% Terphenyl-d14	119			%	01/21/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 28, 2014
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

January 28, 2014

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:		01/16/14	11:30
Location Code:	EBC	Received by:	SW	01/20/14	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG00904
Phoenix ID: BG00907

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 11 15-17

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36		0.36	0.22	mg/Kg	01/21/14	LK	SW6010	
Aluminum	5490		36	7.2	mg/Kg	01/21/14	LK	SW6010	
Arsenic	1.4		0.7	0.72	mg/Kg	01/21/14	LK	SW6010	
Barium	25.9		0.7	0.14	mg/Kg	01/21/14	LK	SW6010	
Beryllium	0.36		0.29	0.14	mg/Kg	01/21/14	LK	SW6010	
Calcium	1460		3.6	3.3	mg/Kg	01/21/14	LK	SW6010	
Cadmium	0.22	B	0.36	0.14	mg/Kg	01/21/14	LK	SW6010	
Cobalt	3.72		0.36	0.14	mg/Kg	01/21/14	LK	SW6010	
Chromium	12.2		0.36	0.14	mg/Kg	01/21/14	LK	SW6010	
Copper	14.5		0.36	0.29	mg/kg	01/22/14	LK	SW6010	
Iron	17600		36	36	mg/Kg	01/21/14	EK	SW6010	
Mercury	< 0.07		0.07	0.04	mg/Kg	01/21/14	RS	SW-7471	
Potassium	773	N	7	2.8	mg/Kg	01/21/14	LK	SW6010	
Magnesium	2480		3.6	0.22	mg/Kg	01/21/14	LK	SW6010	
Manganese	393	N	3.6	1.4	mg/Kg	01/21/14	LK	SW6010	
Sodium	126	N	7	3.1	mg/Kg	01/21/14	LK	SW6010	
Nickel	22.7		0.36	0.14	mg/Kg	01/21/14	LK	SW6010	
Lead	4.7		0.7	0.22	mg/Kg	01/21/14	LK	SW6010	
Antimony	< 1.8		1.8	0.72	mg/Kg	01/22/14	LK	SW6010	
Selenium	< 1.4		1.4	1.2	mg/Kg	01/21/14	LK	SW6010	
Thallium	< 1.4		1.4	1.4	mg/Kg	01/21/14	LK	SW6010	
Vanadium	20.9		0.4	0.14	mg/Kg	01/21/14	LK	SW6010	
Zinc	29.5		0.7	0.36	mg/Kg	01/22/14	LK	SW6010	B
Percent Solid	88				%	01/20/14	I	E160.3	
Soil Extraction for PCB	Completed					01/20/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					01/20/14	BB	SW3545	
Soil Extraction for SVOA	Completed					01/20/14	JJ/V	SW3545	
Mercury Digestion	Completed					01/21/14	I/I	SW7471	

Project ID: BLOCK 3152 BROOKLYN NY
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Phoenix I.D.: BG00907

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/20/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	01/21/14	AW	30 - 150 %
% TCMX	72			%	01/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	01/21/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	01/21/14	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/21/14	MH	SW8081
QA/QC Surrogates							
% DCBP	68			%	01/21/14	MH	30 - 150 %
% TCMX	64			%	01/21/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.94	ug/Kg	01/21/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	01/21/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethene	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260

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Phoenix I.D.: BG00907

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.7	0.81	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromoethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.7	0.63	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloroethane	ND		5.7	0.51	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloropropane	ND		5.7	0.81	ug/Kg	01/21/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.7	0.76	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichloropropane	ND		5.7	0.61	ug/Kg	01/21/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
2,2-Dichloropropane	ND		5.7	0.96	ug/Kg	01/21/14	HM	SW8260	
2-Chlorotoluene	ND		5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	01/21/14	HM	SW8260	
2-Isopropyltoluene	ND		5.7	0.79	ug/Kg	01/21/14	HM	SW8260	1
4-Chlorotoluene	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	01/21/14	HM	SW8260	
Acetone	ND		57	5.7	ug/Kg	01/21/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	01/21/14	HM	SW8260	
Benzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Bromobenzene	ND		5.7	0.75	ug/Kg	01/21/14	HM	SW8260	
Bromochloromethane	ND		5.7	0.84	ug/Kg	01/21/14	HM	SW8260	
Bromodichloromethane	ND		5.7	0.71	ug/Kg	01/21/14	HM	SW8260	
Bromoform	ND		5.7	0.80	ug/Kg	01/21/14	HM	SW8260	
Bromomethane	ND		5.7	4.4	ug/Kg	01/21/14	HM	SW8260	
Carbon Disulfide	ND		5.7	0.93	ug/Kg	01/21/14	HM	SW8260	
Carbon tetrachloride	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
Chlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
Chloroethane	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Chloroform	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Chloromethane	ND		5.7	3.0	ug/Kg	01/21/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.7	0.62	ug/Kg	01/21/14	HM	SW8260	
Dibromochloromethane	ND		5.7	0.64	ug/Kg	01/21/14	HM	SW8260	
Dibromomethane	ND		5.7	0.72	ug/Kg	01/21/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
Ethylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Hexachlorobutadiene	ND		5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Isopropylbenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
m&p-Xylene	ND		5.7	2.3	ug/Kg	01/21/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	5.0	ug/Kg	01/21/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	01/21/14	HM	SW8260	
Methylene chloride	1.0	J	5.7	0.94	ug/Kg	01/21/14	HM	SW8260	
Naphthalene	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
n-Butylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
n-Propylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	01/21/14	HM	SW8260	
p-Isopropyltoluene	ND	5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Styrene	ND	5.7	1.7	ug/Kg	01/21/14	HM	SW8260	
tert-Butylbenzene	ND	5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.2	ug/Kg	01/21/14	HM	SW8260	1
Toluene	ND	5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	01/21/14	HM	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.90	ug/Kg	01/21/14	HM	SW8260	
Vinyl chloride	ND	5.7	1.9	ug/Kg	01/21/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/21/14	HM	70 - 121 %	
% Bromofluorobenzene	97			%	01/21/14	HM	59 - 113 %	
% Dibromofluoromethane	93			%	01/21/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/21/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	01/20/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	93	ug/Kg	01/20/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	01/20/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	01/20/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	01/20/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/20/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/20/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/20/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	01/20/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	01/20/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	01/20/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
4-Chloroaniline	ND	750	180	ug/Kg	01/20/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	01/20/14	DD	SW 8270	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 11 15-17

Phoenix I.D.: BG00907

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1900	170	ug/Kg	01/20/14	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Acenaphthylene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Aniline	ND	1900	760	ug/Kg	01/20/14	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
Benzidine	ND	750	220	ug/Kg	01/20/14	DD	SW 8270	
Benzo(a)pyrene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Benzoic acid	ND	1900	750	ug/Kg	01/20/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	01/20/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/20/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	01/20/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/20/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	01/20/14	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	01/20/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	01/20/14	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Hexachlorobenzene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	01/20/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Hexachloroethane	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Isophorone	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Nitrobenzene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	01/20/14	DD	SW 8270	
Pentachloronitrobenzene	ND	260	140	ug/Kg	01/20/14	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/20/14	DD	SW 8270	
Phenanthrene	ND	260	110	ug/Kg	01/20/14	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/20/14	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/20/14	DD	SW 8270	
Pyridine	ND	260	93	ug/Kg	01/20/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	01/20/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	86			%	01/20/14	DD	30 - 115 %	
% 2-Fluorophenol	78			%	01/20/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: SB 11 15-17

Phoenix I.D.: BG00907

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	01/20/14	DD	23 - 120 %
% Phenol-d5	80			%	01/20/14	DD	24 - 113 %
% Terphenyl-d14	95			%	01/20/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 28, 2014
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

January 28, 2014

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:		01/16/14	0:00
Location Code:	EBC	Received by:	SW	01/20/14	15:23
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG00904
Phoenix ID: BG00908

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40		0.40	0.24	mg/Kg	01/21/14	LK	SW6010	
Aluminum	7510		40	8.0	mg/Kg	01/21/14	LK	SW6010	
Arsenic	2.4		0.8	0.80	mg/Kg	01/21/14	LK	SW6010	
Barium	30.7		0.8	0.16	mg/Kg	01/21/14	LK	SW6010	
Beryllium	0.32		0.32	0.16	mg/Kg	01/21/14	LK	SW6010	
Calcium	24400		40	37	mg/Kg	01/21/14	LK	SW6010	
Cadmium	0.77		0.40	0.16	mg/Kg	01/21/14	LK	SW6010	
Cobalt	7.29		0.40	0.16	mg/Kg	01/21/14	LK	SW6010	
Chromium	28.8		0.40	0.16	mg/Kg	01/21/14	LK	SW6010	
Copper	79.8		0.40	0.32	mg/kg	01/22/14	LK	SW6010	
Iron	48000		40	40	mg/Kg	01/21/14	EK	SW6010	
Mercury	0.07	B	0.07	0.04	mg/Kg	01/21/14	RS	SW-7471	
Potassium	1120	N	8	3.1	mg/Kg	01/21/14	LK	SW6010	
Magnesium	6920		40	2.4	mg/Kg	01/21/14	LK	SW6010	
Manganese	479	N	4.0	1.6	mg/Kg	01/21/14	LK	SW6010	
Sodium	332	N	8	3.4	mg/Kg	01/21/14	LK	SW6010	
Nickel	20.8		0.40	0.16	mg/Kg	01/21/14	LK	SW6010	
Lead	15.3		0.8	0.24	mg/Kg	01/21/14	LK	SW6010	
Antimony	< 2.0		2.0	0.80	mg/Kg	01/22/14	LK	SW6010	
Selenium	< 1.6		1.6	1.4	mg/Kg	01/21/14	LK	SW6010	
Thallium	< 1.6		1.6	1.6	mg/Kg	01/21/14	LK	SW6010	
Vanadium	47.3		0.4	0.16	mg/Kg	01/21/14	LK	SW6010	
Zinc	55.4		0.8	0.40	mg/Kg	01/22/14	LK	SW6010	B
Percent Solid	88				%	01/20/14	I	E160.3	
Soil Extraction for PCB	Completed					01/20/14	BB/V	SW3545	
Soil Extraction for Pesticide	Completed					01/20/14	BB	SW3545	
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545	
Mercury Digestion	Completed					01/21/14	I/I	SW7471	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG00908

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/20/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	01/21/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	96			%	01/21/14	AW	30 - 150 %
% TCMX	78			%	01/21/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	01/21/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	01/21/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/21/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	01/21/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	01/21/14	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/21/14	MH	SW8081
QA/QC Surrogates							
% DCBP	69			%	01/21/14	MH	30 - 150 %
% TCMX	68			%	01/21/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	0.94	ug/Kg	01/21/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	01/21/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260
1,1-Dichloroethene	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG00908

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.7	0.81	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dibromoethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.7	0.63	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloroethane	ND		5.7	0.51	ug/Kg	01/21/14	HM	SW8260	
1,2-Dichloropropane	ND		5.7	0.81	ug/Kg	01/21/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.7	0.76	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
1,3-Dichloropropane	ND		5.7	0.61	ug/Kg	01/21/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
2,2-Dichloropropane	ND		5.7	0.96	ug/Kg	01/21/14	HM	SW8260	
2-Chlorotoluene	ND		5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
2-Hexanone	ND		29	2.6	ug/Kg	01/21/14	HM	SW8260	
2-Isopropyltoluene	ND		5.7	0.79	ug/Kg	01/21/14	HM	SW8260	1
4-Chlorotoluene	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	01/21/14	HM	SW8260	
Acetone	ND		57	5.7	ug/Kg	01/21/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	01/21/14	HM	SW8260	
Benzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Bromobenzene	ND		5.7	0.75	ug/Kg	01/21/14	HM	SW8260	
Bromochloromethane	ND		5.7	0.84	ug/Kg	01/21/14	HM	SW8260	
Bromodichloromethane	ND		5.7	0.71	ug/Kg	01/21/14	HM	SW8260	
Bromoform	ND		5.7	0.80	ug/Kg	01/21/14	HM	SW8260	
Bromomethane	ND		5.7	4.4	ug/Kg	01/21/14	HM	SW8260	
Carbon Disulfide	ND		5.7	0.93	ug/Kg	01/21/14	HM	SW8260	
Carbon tetrachloride	ND		5.7	0.67	ug/Kg	01/21/14	HM	SW8260	
Chlorobenzene	ND		5.7	0.85	ug/Kg	01/21/14	HM	SW8260	
Chloroethane	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Chloroform	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Chloromethane	ND		5.7	3.0	ug/Kg	01/21/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.7	0.62	ug/Kg	01/21/14	HM	SW8260	
Dibromochloromethane	ND		5.7	0.64	ug/Kg	01/21/14	HM	SW8260	
Dibromomethane	ND		5.7	0.72	ug/Kg	01/21/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
Ethylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
Hexachlorobutadiene	ND		5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Isopropylbenzene	ND		5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
m&p-Xylene	ND		5.7	2.3	ug/Kg	01/21/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	5.0	ug/Kg	01/21/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	01/21/14	HM	SW8260	
Methylene chloride	1.1	J	5.7	0.94	ug/Kg	01/21/14	HM	SW8260	
Naphthalene	ND		5.7	1.5	ug/Kg	01/21/14	HM	SW8260	
n-Butylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	
n-Propylbenzene	ND		5.7	1.0	ug/Kg	01/21/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.7	2.2	ug/Kg	01/21/14	HM	SW8260	
p-Isopropyltoluene	ND	5.7	0.83	ug/Kg	01/21/14	HM	SW8260	
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
Styrene	ND	5.7	1.7	ug/Kg	01/21/14	HM	SW8260	
tert-Butylbenzene	ND	5.7	0.92	ug/Kg	01/21/14	HM	SW8260	
Tetrachloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.2	ug/Kg	01/21/14	HM	SW8260	1
Toluene	ND	5.7	0.91	ug/Kg	01/21/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	01/21/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	01/21/14	HM	SW8260	
Trichloroethene	ND	5.7	1.2	ug/Kg	01/21/14	HM	SW8260	
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	01/21/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.7	0.90	ug/Kg	01/21/14	HM	SW8260	
Vinyl chloride	ND	5.7	1.9	ug/Kg	01/21/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/21/14	HM	70 - 121 %	
% Bromofluorobenzene	94			%	01/21/14	HM	59 - 113 %	
% Dibromofluoromethane	104			%	01/21/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/21/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	93	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1900	260	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	150	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	120	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	750	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	01/27/14	DD	SW 8270	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG00908

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1900	170	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1900	760	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	150	J	260	130	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		750	220	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	130	J	260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	180	J	260	130	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1900	750	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		260	97	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	120	J	260	110	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	150	J	260	130	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	230	J	260	120	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		260	100	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		260	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		260	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	220	J	260	110	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	210	J	260	130	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		260	92	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	76				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	88				%	01/27/14	DD	25 - 121 %	

Project ID: BLOCK 3152 BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG00908

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	82			%	01/27/14	DD	23 - 120 %
% Phenol-d5	90			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	71			%	01/27/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 28, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBG00904 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG00904	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	58	50	50	ug/Kg
BG00905	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	57	50	50	ug/Kg
BG00906	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	58	50	50	ug/Kg
BG00906	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	45.5	0.38	30	30	mg/Kg
BG00907	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	57	50	50	ug/Kg
BG00908	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	57	50	50	ug/Kg
BG00908	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	79.8	0.40	50	50	mg/kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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

NY Temperature Narration

January 28, 2014

SDG I.D.: GBG00904

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

4°W | C + IP Temp Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: csosik@elcincny.com

Customer: EBC
Address: Ridge NY

Project: BLOCK 3152, Brooklyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 631 504 6000
Fax #:

Sampler's Signature: [signature] Date: 1·16·14

Client Sample - Information - Identification

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	Pest/PCBs	TAL Metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (2) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
00904	SB9 15-17	S	1·16	900	X	X	X	X										
00905	SB10 0-2	↓	↓	1000	↓	↓	↓	↓										
00906	SB10 15-17	↓	↓	1030	↓	↓	↓	↓										
00907	SB11 15-17	↓	↓	1130	↓	↓	↓	↓										
00908	duplicate		↓		X	X	X	X										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-20-14	11:45
[signature]	CPardise	1-20-14	1523

Comments, Special Requirements or Regulations:

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

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

NY
☐ TOGS GA GW
☐ CP-51 Soil
☑ NY375 Unrestricted Soil
☑ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NY