140 VANDERBILT AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP245K

Prepared for:

SYG Realties

277 Classon Avenue

Brooklyn, NY 11205

Prepared by:

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road

Ridge, NY 11961

February 2014

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

LIST OF ACRONYMS

CERTIFICATION

EXECUTIVE SUMMARY i

1.0 SITE BACKGROUND 1

1.1 Site Location and Current Usage 1

1.2 Proposed Redevelopment Plan 2

1.3 Description of Surrounding Property 2

2.0 SITE HISTORY 4

2.1 Past Uses and Ownership 4

2.2 Previous Investigations 4

2.3 Site Inspection 6

2.4 Areas of Concern 7

3.0 PROJECT MANAGEMENT 8

3.1 Project Organization 8

3.2 Health and Safety 8

3.3 Materials Management 8

4.0 REMEDIAL INVESTIGATION ACTIVITIES 9

4.1 Geophysical Investigation 9

4.2 Borings and Monitoring Wells 9

4.3 Sample Collection and Chemical Analysis 10

5.0 ENVIRONMENTAL EVALUATION 14

5.1 Geological and Hydrogeological Conditions 14

5.2 Soil Chemistry 14

5.3 Soil Vapor Chemistry 15

5.4 Prior Activity 16

5.5 Impediments to Remedial Action 16

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

TABLES

Table 1 - Construction Details for Soil Borings
Table 2 - Soil Analytical Results (VOCs)
Table 3 - Soil Analytical Results (SVOCs)
Table 4 - Soil Analytical Results (Pesticides/PCBs)
Table 5 - Soil Analytical Results (Metals)
Table 6 - Groundwater Analytical Results (VOCs)
Table 7 - Groundwater Analytical Results (SVOCs)
Table 8 - Groundwater Analytical Results (Pesticides/PCBs)
Table 9 - Groundwater Analytical Results (Dissolved Metals)
Table 10 - Groundwater Analytical Results (Total Metals)
Table 11 - Soil Gas Analytical Results (VOCs)

FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Boundary Map
Figure 3 - Redevelopment Plan
Figure 4 - Surrounding Land Use Map
Figure 5 - Site Sampling Locations
Figure 6 - Soil Exceedances Map
Figure 7 - Groundwater Exceedances Map
Figure 8 - Soil Vapor Detections

ATTACHMENTS

Attachment A - Phase I Report
Attachment B - Tank Excavation Assessment Report - Handex - 1993
Attachment C - Baseline Environmental Assessment - ATC Associates, Inc. - 2000
Attachment D - Subsurface Investigation Report - GSC - 2001
Attachment E - Case Closure Report - GSC - 2002
Attachment F - Soil Boring Logs
Attachment G - Groundwater Sampling Logs
Attachment H - Soil Gas Sampling Logs
Attachment I - Laboratory Reports in Digital Format

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	Photoionization 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 140 Vanderbilt Avenue, Brooklyn, NY, (NYC VCP Site No. 14CVCP245K. 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.

KEVIN BRUSSEE 4/28/2014

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 140 Vanderbilt Avenue in the Fort Greene section of Brooklyn, New York, and is identified as Block 2046 and Lot 84 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 14,770-square feet and is bounded by a 3 story multi-family home (Block 2046, Lot 83 - 132 Vanderbilt Avenue) and two 2 story multi-family homes (Block 2046, Lots 1 and 2 - 141-143 Clermont Avenue) to the north, Myrtle Avenue to the south, a 4 story apartment building with first floor commercial space (Block 2046, Lot 93 - 387 Myrtle Avenue) to the west, and Vanderbilt Avenue to the east. A map of the site boundary is shown in Figure 2.

The Site is an irregular shaped corner lot located on the northwest corner of the intersection of Myrtle Avenue and Vanderbilt Avenue. The lot consists of approximately 104.08 feet of street frontage on Myrtle Avenue and approximately 167.51 feet of street frontage on Vanderbilt Avenue.

Currently, the lot is developed with a Gulf service station. The service station building is located against the western property line and consists of three service bays and a small store. The tank pad is located in the northwest corner of the lot, and three dispensers are located in front of the service station building.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 5-story mixed use building with a full cellar over the entire property. The new building will consist of approximately 8,688.38 ft^2 of commercial space on the first floor with an additional 8,910 ft^2 of commercial space in the cellar. The remainder of the first floor space will consist of a 3,419 ft^2 community facility, a 950 ft^2 recreation room, and a 997 ft^2 residential lobby area which includes the elevator shafts and stairs.

The remainder of the cellar level will consist of 1,466 ft^2 for residential storage, 415 ft^2 for a bicycle storage room, 1,036 ft^2 for a recreation room, and 1,509 ft^2 for a mechanical room. The second through sixth floors will consist of residential apartments.

The slab of the new cellar will be installed at a depth of approximately 12 feet below grade. Assuming an average excavation depth of 12 feet across the entire Site for the proposed building's cellar, a total of approximately 6,600 cubic yards (9,850 tons) of soil will require removal. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7A with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I Environmental Site Assessment Report was prepared by Environmental Business Consultants in February of 2014. A copy of the Phase I is attached in Attachment A. EBC was able to establish a history for the property dating back to 1887. From 1887 to 1969, the south portion of the Site was developed with seven (7) two-story commercial stores, the central portion of the Site was developed with a three-story commercial store and the north portion of the Site was developed with three (3) residential dwellings. The Site has historically housed several commercial tenants including a hardware store, statuary company, a men's shop, an upholstery store, a discount store and a liquor store amongst others. The current service station building was constructed around 1969. Various gasoline service stations including Exxon, Vanderbilt Auto Care, K & S Service Station and B & E Service Station have occupied the Site since 1969. The Site is currently occupied by Gulf-branded service station.

The AOCs identified for this Site include:

1. The Site has been utilized as a gasoline service station and auto repair shop since 1969.
2. Historic fill layer is present at the Site from grade to depths of at least 10 feet below grade.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work in January of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed nine soil borings across the entire project Site, and collected 18 soil samples and one duplicate for chemical analysis from the soil borings to evaluate soil quality;
3. Collected three groundwater samples and one duplicate from three existing on-Site monitoring wells to evaluate groundwater quality; and
4. Installed six soil vapor probes across the Site and collected six samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 59 feet.
2. Depth to groundwater at the Site is approximately 57 feet.
3. Depth to bedrock is at the Site is greater than 100 feet.
4. The stratigraphy of the Site, from the surface down, consists of 8 to 16 feet of historic fill, underlain by a native brown sand.
5. Analytical results were compared to NYSDEC 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs. The RI showed no VOCs or PCBs at a concentration above Unrestricted Use SCOs. However, multiple gasoline related VOCs, including 1,2,4-trimethylbenzene (maximum of 520 µg/Kg), 1,3,5-trimethylbenzene (maximum of 430 µg/Kg), ethylbenzene (maximum of 2.9 µg/Kg), isopropylbenzene (2.2 µg/Kg), m&p-xylenes (maximum of 30 µg/Kg), naphthalene (maximum of 95 µg/Kg), n-butylbenzene (3.6 µg/Kg), n-propylbenzene (6.1 µg/Kg), o-xylene (maximum of 21 µg/Kg), p-isopropyltoluene (2 µg/Kg), sec-butylbenzene (1.7 µg/Kg), and toluene (maximum of 13 µg/Kg) were detected at concentrations below Unrestricted Use SCOs. Most detections were reported within the shallow soil samples and are likely associated with surface spills during tank filling. Multiple SVOCs were detected within the historic fill exceeding Restricted Residential SCOs, and included benz(a)anthracene (maximum of 2,100 µg/Kg), benzo(a)pyrene (maximum of 2,000 µg/Kg), benzo(b)-fluoranthene (maximum of 63,000 µg/Kg), benzo(k)fluoranthene (maximum of 3,300 µg/Kg), and chrysene (maximum of 2,000 µg/Kg). These SVOCs were detected in five shallow and one deep soil sampling

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

locations. The metals lead (maximum of 455 mg/Kg) and mercury (maximum of 1.84 mg/Kg) were detected above Restricted Residential Use SCOs within the soil samples collected from the urban fill layer. Four pesticides including 4,4-DDD (max. of 7.5 ug/kg), 4,4-DDE (max. of 9.9 ug/kg), 4,4-DDT(max. of 9.6 ug/kg) and chlorodane (max. of 110 ug/kg) were detected slightly above Unrestricted Use SCOs, but below Restricted Residential Use SCOs. Overall, soil results are consistent with historic fill material at sites throughout NYC with minor petroleum impacts.

5. Groundwater samples were compared to the New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater sample results found no detectable concentrations of PCBs. The pesticide dieldrin was detected in two of the groundwater samples, but at a concentration below GQS. No petroleum related VOCs were detected within the three groundwater samples, but the chlorinated VOC tetrachloroethylene (maximum of 7.9 µg/L) was detected in two of the groundwater samples above GQS, and the chlorinated VOCs chloroform (maximum of 6.9 µg/L), and trichloroethylene (maximum of 1.5 µg/L), were detected in both groundwater samples, just below their respective GQS. Three SVOCs were detected above GQS and include benzo(a)anthracene (maximum of 0.04 µg/L), benzo(b)fluoranthene (0.03 µg/L), and chrysene (0.03 µg/L). Several metals were detected in groundwater, but only iron and sodium exceeded their respective GQS.

6. Soil vapor samples collected during the RI were compared to the compounds listed in New York State Department of Health (NYSDOH) Vapor Intrusion Matrices. Soil vapor sample results indicated petroleum related VOCs and chlorinated VOCs at low concentrations. Most compounds were detected at concentrations less than 20 $\mu g/m^3$ except for acetone (maximum of 126 $\mu g/m^3$) and ethanol (maximum of 102 $\mu g/m^3$). Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 66.15 $\mu g/m^3$. The chlorinated VOCs 1,1,1-trichloroethane (TCA) and trichloroethylene (TCE) were not detected in any of the six soil vapor samples. However, the chlorinated VOCs tetrachloroethylene (PCE) (max. of 2.58 $\mu g/m^3$) and carbon tetrachloride (max. of 0.566 $\mu g/m^3$) were detected in most soil vapor samples. The concentrations of all VOCs were

well below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

SYG Realties has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.34-acre Site located at 140 Vanderbilt Avenue in the Fort Greene section of Brooklyn, New York. Mixed use (residential and commercial) is proposed for the property. The RI work was performed between January 21, 2014, and January 29, 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 140 Vanderbilt Avenue in the Fort Greene section of Brooklyn, New York, and is identified as Block 2046 and Lot 84 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 14,770-square feet and is bounded by a 3 story multi-family home (Block 2046, Lot 83 - 132 Vanderbilt Avenue) and two 2 story multi-family homes (Block 2046, Lots 1 and 2 - 141-143 Clermont Avenue) to the north, Myrtle Avenue to the south, a 4 story apartment building with first floor commercial space (Block 2046, Lot 93 - 387 Myrtle Avenue) to the west, and Vanderbilt Avenue to the east. A map of the site boundary is shown in Figure 2.

The Site is an irregular shaped corner lot located on the northwest corner of the intersection of Myrtle Avenue and Vanderbilt Avenue. The lot consists of approximately 104.08 feet of street frontage on Myrtle Avenue and approximately 167.51 feet of street frontage on Vanderbilt Avenue.

Currently, the lot is developed with a Gulf service station. The service station building is located against the western property line and consists of three service bays and a small store. The tank pad is located in the northwest corner of the lot, and three dispensers are located in front of the service station building.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 5-story mixed use building with a full cellar over the entire property. The new building will consist of approximately 8,688.38 ft^2 of commercial space on the first floor with an additional 8,910 ft^2 of commercial space in the cellar. The remainder of the first floor space will consist of a 3,419 ft^2 community facility, a 950 ft^2 recreation room, and a 997 ft^2 residential lobby area which includes the elevator shafts and stairs. The remainder of the cellar level will consist of 1,466 ft^2 for residential storage, 415 ft^2 for a bicycle storage room, 1,036 ft^2 for a recreation room, and 1,509 ft^2 for a mechanical room. The second through sixth floors will consist residential apartments.

The slab of the new cellar will be installed at a depth of approximately 12 feet below grade. Assuming an average excavation depth of 12 feet across the entire Site for the proposed building's cellar, a total of approximately 6,600 cubic yards (9,850 tons) of soil will require removal. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7A with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area surrounding the Site consists of a mix of residential, commercial and manufacturing buildings. 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. No hospitals, schools or daycare facilities are located within a 250 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North – Adjacent Properties	Block 2046, Lot 83 132 Vanderbilt Avenue – Developed with a 3 story multi-family home. Block 2046, Lot 1 141 Clermont Avenue – Developed with a 2 story multi-family home
South – Opposite side of Myrtle Avenue	Block 2075, Lot 28 394 Myrtle Avenue – Developed with a 1-story commercial building currently occupied with a grocery/retail store.

	Block 2075, Lot 32 400 Myrtle Avenue – Developed with a 4-story apartment building with first floor commercial space currently occupied by the restaurant chain Subway. Block 2075, Lot 27 392 Myrtle Avenue – Developed with a 1-story commercial building currently occupied with a small pharmacy.
East – Opposite side of Vanderbilt Avenue	Block 1887, Lot 102 403 Myrtle Avenue – Developed with a 3-story apartment building with first floor commercial space currently occupied by a liquor store and check cashing store. Block 1887, Lots 2 and 3 149 and 147 Vanderbilt Avenue – Both lots are developed with 3-story multi-family homes. Block 1887, Lots 4 and 104 145 and 143 Vanderbilt Avenue – Both lots are developed with 2-story multi-family homes.
West – Adjacent Properties	Block 2046, Lot 93 387 Myrtle Avenue – Developed with a 4-story apartment building with first floor commercial space currently occupied with a small restaurant. Block 2046, Lot 94 385 Myrtle Avenue – Developed with a 4-story apartment building with first floor commercial space currently occupied with a small fish market.

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

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Environmental Site Assessment Report was prepared by Environmental Business Consultants in February of 2014. A copy of the Phase I is attached in Attachment A. EBC was able to establish a history for the property dating back to 1887. From 1887 to 1969, the south portion of the Site was developed with seven (7) two-story commercial stores, the central portion of the Site was developed with a three-story commercial store and the north portion of the Site was developed with three (3) residential dwellings. The Site has historically housed several commercial tenants including a hardware store, statuary company, a men's shop, an upholstery store, a discount store and a liquor store amongst others. The current service station building was constructed around 1969. Various gasoline service stations including Exxon, Vanderbilt Auto Care, K & S Service Station and B & E Service Station have occupied the Site since 1969. The Site is currently occupied by Gulf-branded service station.

2.2 Previous Investigations

EBC has been provided digital copies of six previous reports/investigations. Each are summarized below.

2.2.1 Tank Excavation Assessment Report - Handex - 1993

Handex of New York oversaw the removal of one 550-gallon fuel oil underground storage tank formerly located immediately south of the service station building in February of 1993. A small hole was observed in the tank, but no olfactory or PID evidence of a spill/release was observed. Endpoint soil samples were collected following removal of the tank. Several gasoline related VOCs were reported in the endpoint soil samples at concentrations below Restricted Residential SCOs, and no SVOCs were reported above Unrestricted Use SCOs. Based on the relatively low concentration of gasoline related VOCs detected in the endpoint soil samples, Handex recommended performing several soil borings in the area to determine the extent of contamination in the subsurface. A copy of the report is attached in Attachment B.

2.2.2 Baseline Environmental Assessment - ATC Associates, Inc. - 2000

ATC Associates, Inc. performed a subsurface investigation at the Site in February of 2000. The

investigation consisted of the installation of 5 soil borings but soil samples were only collected form 2 of the soil borings due to refusal in soil borings SB1, SB2 and SB3 at depths of approximately 5 feet. One soil sample was retained for laboratory analysis from a soil boring performed in front of the northern end of the service station building, and one soil sample was retained for laboratory analysis from a soil boring performed immediately east of the remote fill box located east of the tank pad. The report does not indicate the depth at which the samples were collected. No VOCs were detected above Unrestricted Use SCOs in either sample. A copy of the report is attached in Attachment C.

2.2.3 Subsurface Investigation Report - GSC - 2001

Geologic Services Corporation (GSC) prepared a Subsurface Investigation Report in April of 2001 for a subsurface investigation they performed at the Site in October of 2000. The report summarized several previous investigations. GSC's summaries of the previous investigations within the GSC 2001 Subsurface Investigation Report are provided below.

February 1998 *GSC conducted an environmental investigation around the 550-gallon used oil UST. The material above and around the tank was screened with a photoionization detector (PID). PID readings from material near the used oil tank ranged from 1 part per million (ppm) to 58 ppm. Laboratory analysis of soil samples collected from the four sidewalls of the excavation revealed petroleum hydrocarbons above applicable New York State Department of Environmental Conservation (NYSDEC) standards. The NYSDEC spill number for the incident is 97-12610.*

October 1998 *On October 13, 1998, a spill was reported for the Site following a tank test failure. Product was found in the annular space, however, no product was released. The NYSDEC spill number for the incident is 98-08715.*

March 1999 *On March 9, 1999, a resident of the adjacent building, located at 132 Vanderbilt Avenue, reported gasoline was actively seeping through her basement foundation wall from the Site. The NYSDEC conducted an*

inspection of the basement an found no evidence of petroleum impact form the Site. The NYSDEC spill number for the incident is 98-14639.

GSC's subsurface investigation consisted of the installation of five soil borings to depths as great as 16 feet. No petroleum related VOCs were detected above Unrestricted Use SCOs within the soil samples retained from the five soil borings. A copy of the report is attached in Attachment D.

2.2.4 Case Closure Report - GSC - 2002

GSC prepared a closure request report in June of 2002 for NYSDEC Spill Number 97-12610, 98-08715, and 98-14639. The report states NYSDEC Spill Number 97-12610 was related to a tank test failure of 550-gallon waste soil UST. Following repair to a damaged coupling, the tank was retested and passed.

NYSDEC Spill Number 98-08715 was reportedly related to gasoline detected in the annular space of one of the 4,000 gallon gasoline tanks. No release to soil occurred, and after repairs to the tank the tank was placed back in service.

NYSDEC Spill Number 98-14639 was reportedly related to gasoline odors during tank filling events and a catch basin on the Site that overflowed when it rained.

Based on these findings, GSC requested closure of the three NYSDEC spill numbers.

2.3 Site Inspection

Mr. Kevin Waters of EBC performed the site inspection on Tuesday, January 21, 2014, beginning at approximately 7:00 am. The reconnaissance included a visual inspection of the Site, the sidewalk surrounding the Site, and the exterior of adjacent properties.

At the time of the inspection, the Site was developed as a Gulf gasoline service station, with one single story commercial building with no basement. The service station building consisted of a small convenience store and three automotive service bays. Two underground hydraulic service lifts were observed, multiple one gallon containers of motor oil, anti freeze, and other automotive repair petroleum products were observed within the service bays.

The gas station includes three dispensers below a single canopy out in front of the service station building, five 4,000-gallon gasoline underground storage tanks below a concrete tank pad in the northern portion of the lot, and one 220 gallon waste oil aboveground storage tank located against the north side of the service station building.

A storm drain was observed in the northeast corner of the Site.

2.4 Areas of Concern

The AOCs identified for this Site include:

1. The Site has been utilized as a gasoline service and auto repair station since 1969.
2. Historic fill layer is present at the Site from grade to depths of at least 10 feet below grade.

A copy of the Phase 1 Report is presented in Attachment A.

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.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work in January of 2014:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed nine soil borings across the entire project Site, and collected 18 soil samples and one duplicate for chemical analysis from the soil borings to evaluate soil quality;
3. Collected three groundwater samples and one duplicate from three existing on-Site monitoring wells to evaluate groundwater quality; and
4. Installed six soil vapor probes across the Site and collected six samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical investigation consisting of a ground penetrating radar (GPR) survey, electromagnetic survey, and comprehensive subsurface utility survey was performed by Nova Geophysical Services on Monday, January 20, 2014, to locate/identify underground storage tanks, buried drums, subsurface utilities, and other subsurface features/structures and to provide locations on the Site in which borings could be safely conducted at the active gasoline service station. No subsurface anomalies were identified which would indicate the presence of an underground storage tank besides the registered 4,000 gallon underground storages tanks located beneath the concrete tank pad in the northern portion of the Site.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On January 14, 2014, nine soil borings (SB1 through SB6) were performed in the approximate locations shown on Figure 5. The nine soil boring locations were chosen to gain representative soil quality information across the Site. For each of the nine soil borings, soil samples were collected continuously from grade to refusal or 16 feet below grade. Refusal was repeatedly encountered at the Site at depths of approximately 7 to 8 feet grade. All nine soil borings were performed using a five-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil borings SB1, SB2 and SB3 were performed around the five 4,000 gallon underground storage tanks located in the northern end of the Site, and soil borings SB3, SB4,

SB5 and SB9 were performed around the current dispenser canopy and within the approximate area of a former dispenser island.

Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any of the soil borings.

One soil sample was retained from each boring representing the interval 0 to 2 feet below grade. An additional soil sample was retained from the 2 feet interval at the termination depth of the soil boring. Since refusal was encountered within soil borings SB1, SB4, SB5 and SB6 at approximately 7 or 8 feet, soil samples were collected from each of the four soil borings at either 6 to 8 feet or 5 to 7 feet below grade. Soil borings SB3 and SB8 were both completed to a depth of 16 feet below grade, therefore soil samples from 14 to 16 feet below grade were retained. Soil boring SB2 was completed to 13 feet, so soil sample SB2 (11-13) was retained, SB9 was performed to 10 feet, so soil sample SB9 (8-10) was retained, and SB7 was performed to 15 feet, so soil sample SB7 (13-15) was retained.

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

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.

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

Soil Sampling

Eighteen soil samples and one duplicate soil sample 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 through 5. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

The eighteen soil samples and one duplicate soil sample were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis 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

Three groundwater samples and one duplicate groundwater sample were collected for chemical analysis during this RI. The three groundwater samples were collected from three existing on-Site monitoring wells by purging the two inch diameter PVC monitoring wells using a submersible pump, and then a new bailer to collect the sample. 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. A trip blank, which accompanied the samples in the cooler, was analyzed for VOCs. Groundwater sample collection data is reported in Tables 6 through 10. Sampling logs with information on purging and sampling of groundwater monitor wells are included in Attachment G. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Six soil vapor probes were installed across the Site and six soil vapor samples were collected for chemical analysis during this RI. The soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 11. Soil vapor sampling logs are included in

Attachment H. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The six soil vapor probes were installed using Geoprobe™ equipment and tooling. 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 probes were installed to a depth of approximately 14 feet below grade at all six locations. 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 vapor probe to a height of approximately 1 foot above the bottom of the implant. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Soil vapor sampling for the soil vapor probes installed on January 21, 2014, was conducted on January 29, 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 probe 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 each of the 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 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 H). 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 11. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Attachment I.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Subsurface soil at the Site consisted of a layer of historic fill, which was primarily comprised of brick, rock and other debris in a brown silty-sand matrix. The layer of historic fill extended to a depth ranging from 8 to 16 feet below grade. Native soil consisting of a brown sand is present below the historic fill layer.

Hydrogeology

Depth to water at the Site is approximately 57 feet below grade. Regional groundwater flow is assumed to flow southeast to northwest.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 2 through 5. Laboratory results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. A copy of the laboratory report is provided in Attachment I. Figure 6 shows the location and posts the values for soil/fill that exceeds UUSCOs and RRSCOs.

Soil/fill samples collected during the RI showed no VOCs or PCBs at a concentration above Unrestricted Use SCOs. However, multiple gasoline related VOCs, including 1,2,4-trimethylbenzene (maximum of 520 µg/Kg), 1,3,5-trimethylbenzene (maximum of 430 µg/Kg), ethylbenzene (maximum of 2.9 µg/Kg), isopropylbenzene (2.2 µg/Kg), m&p-xylenes (maximum of 30 µg/Kg), naphthalene (maximum of 95 µg/Kg), n-butylbenzene (3.6 µg/Kg), n-propylbenzene (6.1 µg/Kg), o-xylene (maximum of 21 µg/Kg), p-isopropyltoluene (2 µg/Kg), sec-butylbenzene (1.7 µg/Kg), and toluene (maximum of 13 µg/Kg) were detected at concentrations below Unrestricted Use SCOs. Most detections were reported within the shallow soil samples and are likely associated with surface spills during tank filling. Multiple SVOCs were detected within the historic fill exceeding Restricted Residential SCOs, and included

benz(a)anthracene (maximum of 2,100 µg/Kg), benzo(a)pyrene (maximum of 2,000 µg/Kg), benzo(b)-fluoranthene (maximum of 63,000 µg/Kg), benzo(k)fluoranthene (maximum of 3,300 µg/Kg), and chrysene (maximum of 2,000 µg/Kg). These SVOCs were detected in five shallow and one deep soil sampling locations. The metals lead (maximum of 455 mg/Kg) and mercury (maximum of 1.84 mg/Kg) were detected above Restricted Residential Use SCOs within the soil samples collected from the urban fill layer. Four pesticides including 4,4-DDD (max. of 7.5 ug/kg), 4,4-DDE (max. of 9.9 ug/kg), 4,4-DDT(max. of 9.6 ug/kg) and chlorodane (max. of 110 ug/kg) were detected slightly above Unrestricted Use SCOs, but below Restricted Residential Use SCOs. Overall, soil results are consistent with historic fill material at sites throughout NYC with minor petroleum impacts.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. 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). A copy of the laboratory report for the groundwater sample is provided in Attachment I.

Groundwater samples found no detectable concentrations of PCBs. The pesticide dieldrin was detected in two of the groundwater samples, but at a concentration below GQS. No petroleum related VOCs were detected within the three groundwater samples, but the chlorinated VOC tetrachloroethylene (maximum of 7.9 µg/L) was detected in two of the groundwater samples above GQS, and the chlorinated VOCs chloroform (maximum of 6.9 µg/L), and trichloroethylene (maximum of 1.5 µg/L), were detected in both groundwater samples, just below their respective GQS. Three SVOCs were detected above GQS and include benzo(a)anthracene (maximum of 0.04 µg/L), benzo(b)fluoranthene (0.03 µg/L), and chrysene (0.03 µg/L). Several metals were detected in groundwater, but only iron and sodium exceeded their respective GQS.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. 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. A copy of the laboratory report is provided in Attachment I.

Soil vapor sample results indicated petroleum related VOCs and chlorinated VOCs at low concentrations. Most compounds were detected at concentrations less than 20 $\mu g/m^3$ except for acetone (maximum of 126 $\mu g/m^3$) and ethanol (maximum of 102 $\mu g/m^3$). Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 66.15 $\mu g/m^3$. The chlorinated VOCs 1,1,1-trichloroethane (TCA) and trichloroethylene (TCE) were not detected in any of the six soil vapor samples. However, the chlorinated VOCs tetrachloroethylene (PCE) (max. of 2.58 $\mu g/m^3$) and carbon tetrachloride (max. of 0.566 $\mu g/m^3$) were detected in most soil vapor samples. The concentrations of all VOCs were well below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Table 1
140 Vanderbilt Avenue,
Brooklyn, NY
Soil Boring Construction Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	1/21/2014	8	2	Geoprobe	-	-
B2	1/21/2014	13	2	Geoprobe	-	-
B3	1/21/2014	16	2	Geoprobe	-	-
B4	1/21/2014	8	2	Geoprobe	-	-
B5	1/21/2014	8	2	Geoprobe	-	-
B6	1/21/2014	8	2	Geoprobe	-	-
B7	1/21/2014	15	2	Geoprobe	-	-
B8	1/21/2014	16	2	Geoprobe	-	-
B9	1/21/2014	15	2	Geoprobe	-	-

TABLE 2
140 Vanderbilt Avenue,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1				SB2				SB3					
			1/21/2014 (0-2') µg/Kg		1/21/2014 (5-7') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (11-13') µg/Kg		1/21/2014 (0-2') µg/Kg		Duplicate as SB3 (0-2') µg/Kg		1/21/2014 (14-16') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1,1-Trichloroethane	680	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1,2,2-Tetrachloroethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1,2-Trichloroethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1-Dichloroethane	270	26,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1-Dichloroethene	330	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,1-Dichloropropene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,2,3-Trichlorobenzene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2,3-Trichloropropane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2,4-Trichlorobenzene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2,4-Trimethylbenzene	3,600	52,000	**1.3**	5.6	**1.2**	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2-Dibromo-3-chloropropane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2-Dibromoethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,2-Dichlorobenzene	1,100	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,2-Dichloroethane	20	3,100	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,2-Dichloropropane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,3,5-Trimethylbenzene	8,400	52,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,3-Dichlorobenzene	2,400	4,900	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
1,3-Dichloropropane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
1,4-Dichlorobenzene	1,800	13,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
2,2-Dichloropropane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
2-Chlorotoluene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
2-Hexanone (Methyl Butyl Ketone)			< 28	28	< 27	27	< 34	34	< 27	27	< 28	28	< 27	27	< 27	27
2-Isopropyltoluene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
4-Chlorotoluene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
4-Methyl-2-Pentanone			< 28	28	< 27	27	< 34	34	< 27	27	< 28	28	< 27	27	< 27	27
Acetone	50	100,000	< 50	50	< 50	50	**20**	50	< 50	50	**8.2**	50	**18**	50	< 50	50
Acrylonitrile			< 11	11	< 11	11	< 14	14	< 11	11	< 11	11	< 11	11	< 11	11
Benzene	60	4,800	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Bromobenzene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
Bromochloromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Bromodichloromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Bromoform			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Bromomethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Carbon Disulfide			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Carbon tetrachloride	760	2,400	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Chlorobenzene	1,100	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Chloroethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Chloroform	370	49,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Chloromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
cis-1,2-Dichloroethene	250	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
cis-1,3-Dichloropropene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Dibromochloromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Dibromomethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Dichlorodifluoromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Ethylbenzene	1,000	41,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Hexachlorobutadiene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
Isopropylbenzene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
m&p-Xylenes	260	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 33	33	< 33	33	< 41	41	< 32	32	< 33	33	< 33	33	< 32	32
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 11	11	< 14	14	< 11	11	< 11	11	< 11	11	< 11	11
Methylene chloride	50	100,000	**1.5**	5.6	**1.6**	5.4	**1.7**	6.8	**1.3**	5.4	**1.4**	5.5	**1.2**	5.5	**1.3**	5.3
Naphthalene	12,000	100,000	**3.8**	5.6	**11**	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
n-Butylbenzene	12,000	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
n-Propylbenzene	3,900	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
o-Xylene	260	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
p-Isopropyltoluene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
sec-Butylbenzene	11,000	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
Styrene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
tert-Butylbenzene	5,900	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 270	270	< 270	270	< 5.3	5.3
Tetrachloroethene	1,300	19,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Tetrahydrofuran (THF)			< 11	11	< 11	11	< 14	14	< 11	11	< 11	11	< 11	11	< 11	11
Toluene	700	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	**0.9**	5.5	**0.9**	5.5	< 5.3	5.3
trans-1,2-Dichloroethene	190	100,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
trans-1,3-Dichloropropene			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
trabs-1,4-dichloro-2-butene			< 11	11	< 11	11	< 14	14	< 11	11	< 550	550	< 550	550	< 11	11
Trichloroethene	470	21,000	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Trichlorofluoromethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Trichlorotrifluoroethane			< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Vinyl Chloride	20	900	< 5.6	5.6	< 5.4	5.4	< 6.8	6.8	< 5.4	5.4	< 5.5	5.5	< 5.5	5.5	< 5.3	5.3
Total BTEX Concentration			**0.0**		**0.0**		**0.0**		**0.0**		**0.9**		**0.9**		**0.0**	
Total VOCs Concentration			**6.6**		**13.8**		**21.7**		**1.3**		**10.5**		**20.1**		**1.3**	

COMPOUND	SB4				SB5				SB6				SB7				SB8				SB9			
	1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (13-15') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (14-16') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (8-10') µg/Kg	
	Result	RL		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	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1,1-Trichloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1,2,2-Tetrachloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1,2-Trichloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1-Dichloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1-Dichloroethene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,1-Dichloropropene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2,3-Trichlorobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2,3-Trichloropropane	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2,4-Trichlorobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2,4-Trimethylbenzene	**110**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	**2.1**	5.4	< 5.2	5.2	**520**	270	**51**	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2-Dibromo-3-chloropropane	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2-Dibromoethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2-Dichlorobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2-Dichloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,2-Dichloropropane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,3,5-Trimethylbenzene	**49**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**430**	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,3-Dichlorobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,3-Dichloropropane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
1,4-Dichlorobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
2,2-Dichloropropane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
2-Chlorotoluene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
2-Hexanone (Methyl Butyl Ketone)	< 27	27	< 26	26	< 27	27	< 27	27	< 27	27	< 26	26	< 27	27	< 28	28	< 28	28	< 26	26	< 28	28	< 27	27
2-Isopropyltoluene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
4-Chlorotoluene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
4-Methyl-2-Pentanone	< 27	27	< 26	26	< 27	27	< 27	27	< 27	27	< 26	26	< 27	27	< 28	28	< 28	28	< 26	26	< 28	28	< 27	27
Acetone	**27**	50	**8.6**	50	**13**	50	< 50	50	**25**	50	< 50	50	**20**	50	**7.8**	50	< 50	50	< 50	50	< 50	50	< 50	50
Acrylonitrile	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Benzene	< 5.5	5.5	2.7	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Bromobenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Bromochloromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Bromodichloromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Bromoform	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Bromomethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Carbon Disulfide	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**1.8**	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Carbon tetrachloride	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Chlorobenzene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Chloroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Chloroform	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Chloromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
cis-1,2-Dichloroethene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
cis-1,3-Dichloropropene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Dibromochloromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Dibromomethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Dichlorodifluoromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Ethylbenzene	**2.9**	5.5	1.7	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**1.4**	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Hexachlorobutadiene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Isopropylbenzene	**2.2**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
m&p-Xylenes	**18**	5.5	**13**	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**30**	5.4	2.9	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Methyl Ethyl Ketone (2-Butanone)	**8.8**	33	< 31	31	< 32	32	< 32	32	< 33	33	< 31	31	**6.8**	33	< 33	33	< 34	34	< 32	32	< 34	34	< 32	32
Methyl t-butyl ether (MTBE)	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Methylene chloride	**1.6**	5.5	**2.1**	5.1	**1.5**	5.4	**1.5**	5.4	**1.8**	5.4	**1.3**	5.2	**2.1**	5.4	**2**	5.6	**2.8**	5.6	**1.5**	5.3	**1.3**	5.6	**1.4**	5.3
Naphthalene	**79**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	**3.3**	5.4	< 5.2	5.2	**95**	270	**77**	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
n-Butylbenzene	**3.6**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
n-Propylbenzene	**6.1**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
o-Xylene	**13**	5.5	**4.6**	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**21**	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
p-Isopropyltoluene	**2**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
sec-Butylbenzene	**1.7**	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Styrene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
tert-Butylbenzene	< 5.5	5.5	< 260	260	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 270	270	< 280	280	< 280	280	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Tetrachloroethene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Tetrahydrofuran (THF)	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 10	10	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11	< 11	11
Toluene	< 5.5	5.5	**13**	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	**1.5**	5.4	< 5.6	5.6	**1.8**	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
trans-1,2-Dichloroethene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
trans-1,3-Dichloropropene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
trabs-1,4-dichloro-2-butene	< 11	11	< 510	510	< 11	11	< 11	11	< 11	11	< 10	10	< 540	540	< 560	560	< 560	560	< 11	11	< 11	11	< 11	11
Trichloroethene	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Trichlorofluoromethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Trichlorotrifluoroethane	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Vinyl Chloride	< 5.5	5.5	< 5.1	5.1	< 5.4	5.4	< 5.4	5.4	< 5.4	5.4	< 5.2	5.2	< 5.4	5.4	< 5.6	5.6	< 5.6	5.6	< 5.3	5.3	< 5.6	5.6	< 5.3	5.3
Total BTEX Concentration	**15.9**		**22.0**		**0.0**		**0.0**		**0.0**		**0.0**		**4.3**		**0.0**		**1.8**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration	**323.2**		**45.7**		**14.5**		**1.5**		**32.2**		**1.3**		**1129.6**		**140.7**		**4.6**		**1.5**		**1.3**		**1.4**	

Notes:

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

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

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

TABLE 3
140 Vanderbilt Avenue,
Brooklyn, New York
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				SB9			
			1/21/2014 (0-2') µg/Kg		1/21/2014 (5-7') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (11-13') µg/Kg		1/21/2014 (0-2') µg/Kg		Duplicate as SB3 (0-2') µg/Kg		1/21/2014 (14-16') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (13-15') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (14-16') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (8-10') µg/Kg	
			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
1,2,4,5-Tetrachlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
1,2,4-Trichlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
1,2-Dichlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
1,2-Diphenylhydrazine			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
1,3-Dichlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
1,4-Dichlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,4,5-Trichlorophenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,4,6-Trichlorophenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,4-Dichlorophenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,4-Dimethylphenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,4-Dinitrophenol			< 1800	1800	< 1800	1800	< 2200	2200	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1800	1800	< 1900	1900	< 1700	1700	< 9100	9100	< 1800	1800
2,4-Dinitrotoluene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2,6-Dinitrotoluene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2-Chloronaphthalene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2-Chlorophenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2-Methylnaphthalene			130	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	**190**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	**110**	260	< 240	240	< 1300	1300	< 250	250
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
2-Nitroaniline			< 1800	1800	< 1800	1800	< 2200	2200	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1700	1700	< 1800	1800	< 1800	1800	< 1800	1800	< 1900	1900	< 1700	1700	< 9100	9100	< 1800	1800
2-Nitrophenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
3&4-Methylphenol (m&p-cresol)			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
3,3'-Dichlorobenzidine			< 720	720	< 710	710	< 890	890	< 710	710	< 730	730	< 710	710	< 710	710	< 720	720	< 670	670	< 700	700	< 720	720	< 720	720	< 690	690	< 710	710	< 720	720	< 740	740	< 700	700	< 3700	3700	< 710	710
3-Nitroaniline			< 1800	1800	< 1800	1800	< 2200	2200	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1700	1700	< 1800	1800	< 1800	1800	< 1800	1800	< 1900	1900	< 1700	1700	< 9100	9100	< 1800	1800
4,6-Dinitro-2-methylphenol			< 1800	1,800	< 1800	1,800	< 2200	2,200	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 9100	9,100	< 1800	1,800
4-Bromophenyl phenyl ether			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
4-Chloro-3-methylphenol			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
4-Chloroaniline			< 720	720	< 710	710	< 890	890	< 710	710	< 730	730	< 710	710	< 710	710	< 720	720	< 670	670	< 700	700	< 720	720	< 720	720	< 690	690	< 710	710	< 720	720	< 740	740	< 700	700	< 3700	3700	< 710	710
4-Chlorophenyl phenyl ether			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
4-Nitroaniline			< 1800	1800	< 1800	1800	< 2200	2200	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1700	1700	< 1800	1800	< 1800	1800	< 1800	1800	< 1900	1900	< 1700	1700	< 9100	9100	< 1800	1800
4-Nitrophenol			< 1800	1,800	< 1800	1,800	< 2200	2,200	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 9100	9,100	< 1800	1,800
Acenaphthene	20,000	100,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	**120**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	**280**	250	**270**	260	< 240	240	< 1300	1300	< 250	250
Acenaphthylene	100,000	100,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	**120**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	**180**	250	**110**	260	< 240	240	< 1300	1300	< 250	250
Acetophenone			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Aniline			< 1800	1,800	< 1800	1,800	< 2200	2,200	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 9100	9,100	< 1800	1,800
Anthracene	100,000	100,000	**260**	250	**300**	250	< 310	310	< 250	250	**290**	250	**330**	250	< 250	250	**300**	250	< 230	230	< 240	240	< 250	250	**160**	250	< 240	240	< 250	250	**750**	250	**510**	260	< 240	240	< 1300	1300	< 250	250
Benz(a)anthracene	1,000	1,000	**750**	250	**950**	250	< 310	310	< 250	250	**850**	250	**1,100**	250	< 250	250	**1,000**	250	**460**	230	< 240	240	**160**	250	**580**	250	< 240	240	**210**	250	**2100**	250	**1,600**	260	< 240	240	**830**	1300	< 250	250
Benzidine			< 720	720	< 710	710	< 890	890	< 710	710	< 730	730	< 710	710	< 710	710	< 720	720	< 670	670	< 700	700	< 720	720	< 720	720	< 690	690	< 710	710	< 720	720	< 740	740	< 700	700	< 3700	3700	< 710	710
Benzo(a)pyrene	1,000	1,000	**800**	250	**850**	250	< 310	310	< 250	250	**870**	250	**1,200**	250	< 250	250	**1,100**	250	**510**	230	< 240	240	< 250	250	**540**	250	< 240	240	**200**	250	**2000**	250	**1,500**	260	< 240	240	**650**	1300	< 250	250
Benzo(b)fluoranthene	1,000	1,000	**1,100**	250	**1200**	250	< 310	310	< 250	250	**1400**	250	**1,800**	250	< 250	250	**1,800**	250	**700**	230	< 240	240	**190**	250	**690**	250	< 240	240	**340**	250	**3300**	250	**2,600**	260	< 240	240	**1,200**	1300	< 250	250
Benzo(ghi)perylene	100,000	100,000	**400**	250	**350**	250	< 310	310	< 250	250	**340**	250	**500**	250	< 250	250	**410**	250	**610**	230	< 240	240	< 250	250	300	250	< 240	240	< 250	250	**650**	250	**530**	260	< 240	240	< 1300	1300	< 250	250
Benzo(k)fluoranthene	800	3,900	**380**	250	**390**	250	< 310	310	< 250	250	**420**	250	**530**	250	< 250	250	**650**	250	**210**	230	< 240	240	< 250	250	320	250	< 240	240	< 250	250	**920**	250	**770**	260	< 240	240	< 1300	1300	< 250	250
Benzoic acid			< 1800	1,800	< 1800	1,800	< 2200	2,200	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 1700	1,700	< 9100	9,100	< 1800	1,800
Benzyl butyl phthalate			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	**94**	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Bis(2-chloroethoxy)methane			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Bis(2-chloroethyl)ether			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Bis(2-chloroisopropyl)ether			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Bis(2-ethylhexyl)phthalate			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	**260**	230	< 240	240	**480**	250	210	250	< 240	240	**160**	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Carbazole			< 1800	1800	< 1800	1800	< 2200	2200	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1800	1800	< 1700	1700	< 1700	1700	< 1800	1800	< 1800	1800	< 1700	1700	< 1800	1800	**310**	1800	**310**	1900	< 1700	1700	< 9100	9100	< 1800	1800
Chrysene	1,000	3,900	830	250	1000	250	< 310	310	< 250	250	**920**	250	**1,100**	250	< 250	250	**1,100**	250	**510**	230	< 240	240	**290**	250	**600**	250	< 240	240	**260**	250	**2000**	250	**1,700**	260	< 240	240	**910**	1300	< 250	250
Dibenz(a,h)anthracene	330	330	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	**150**	250	**160**	260	< 240	240	< 1300	1300	< 250	250
Dibenzofuran	7,000	59,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	**120**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	**170**	250	**200**	260	< 240	240	< 1300	1300	< 250	250
Diethyl phthalate			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Dimethylphthalate			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Di-n-butylphthalate			**370**	250	**95**	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Di-n-octylphthalate			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	**110**	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Fluoranthene	100,000	100,000	**1,400**	250	**2100**	250	< 310	310	< 250	250	**1600**	250	**2,100**	250	< 250	250	**1,800**	250	**590**	230	< 240	240	**510**	250	**910**	250	< 240	240	**390**	250	**4700**	250	**3,000**	260	< 240	240	**1,800**	1300	< 250	250
Fluorene	30,000	100,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	**140**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	250	250	**300**	260	< 240	240	< 1300	1300	< 250	250
Hexachlorobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Hexachlorobutadiene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Hexachlorocyclopentadiene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Hexachloroethane			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Indeno(1,2,3-cd)pyrene	500	500	**360**	250	**320**	250	< 310	310	< 250	250	**300**	250	**410**	250	< 250	250	360	250	**440**	230	< 240	240	< 250	250	**280**	250	< 240	240	< 250	250	**580**	250	**490**	260	< 240	240	< 1300	1300	< 250	250
Isophorone			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Naphthalene	12,000	100,000	120	250	< 250	250	< 310	310	< 250	250	**130**	250	**110**	250	< 250	250	**230**	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	**120**	250	**180**	250	**470**	260	< 240	240	< 1300	1300	< 250	250
Nitrobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
N-Nitrosodimethylamine			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
N-Nitrosodi-n-propylamine			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
N-Nitrosodiphenylamine			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Pentachloronitrobenzene			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Pentachlorophenol	800	6,700	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Phenanthrene	100,000	100,000	1,200	250	1400	250	< 310	310	< 250	250	**990**	250	1,400	250	< 250	250	1,400	250	**310**	230	< 240	240	**300**	250	**850**	250	< 240	240	**240**	250	**3800**	250	**2,400**	260	< 240	240	**760**	1300	< 250	250
Phenol	330	100,000	< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250
Pyrene	100,000	100,000	**1,200**	250	**1900**	250	< 310	310	< 250	250	**1500**	250	**2,000**	250	< 250	250	**1,600**	250	**550**	230	< 240	240	**390**	250	**840**	250	< 240	240	**390**	250	4200	250	**2,700**	260	< 240	240	**1,500**	1300	< 250	250
Pyridine			< 250	250	< 250	250	< 310	310	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 230	230	< 240	240	< 250	250	< 250	250	< 240	240	< 250	250	< 250	250	< 260	260	< 240	240	< 1300	1300	< 250	250

Notes:

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

Dash - Not Analyzed

ND - Not-detected

RL - Reporting Limit

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

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

TABLE 4
140 Vanderbilt Avenue,
Brooklyn, New York
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				SB9			
			1/21/2014 (0-2') µg/Kg		1/21/2014 (5-7') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (11-13') µg/Kg		1/21/2014 (0-2') µg/Kg		Duplicate as SB3(0-2') µg/Kg		1/21/2014 (14-16') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (6-8') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (13-15') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (14-16') µg/Kg		1/21/2014 (0-2') µg/Kg		1/21/2014 (8-10') µg/Kg	
			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
4,4' -DDD	3.3	13,000	**7.5**	2.6	< 2.6	2.6	< 3.2	3.2	< 2.6	2.6	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.6	2.6	< 2.4	2.4	< 2.5	2.5	< 2.5	2.5	< 2.6	2.6	< 2.4	2.4	< 13	13	< 2.6	2.6	< 3.7	3.7	< 2.6	2.6	< 13	13	< 2.5	2.5
4,4' -DDE	3.3	8,900	< 2.6	2.6	< 2.6	2.6	< 3.2	3.2	< 2.6	2.6	**4**	2.6	**3.6**	2.6	< 2.5	2.5	**9.9**	2.6	< 2.4	2.4	< 2.5	2.5	< 2.5	2.5	**5**	2.6	< 2.4	2.4	< 13	13	< 2.6	2.6	< 2.6	2.6	< 2.6	2.6	< 13	13	< 2.5	2.5
4,4' -DDT	3.3	7,900	< 2.6	2.6	< 2.6	2.6	< 3.2	3.2	< 2.6	2.6	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	**4.5**	2.6	< 2.4	2.4	< 2.5	2.5	< 2.5	2.5	< 2.6	2.6	< 2.4	2.4	< 13	13	**9.6**	2.6	< 2.6	2.6	< 2.6	2.6	< 13	13	< 2.5	2.5
a-BHC	20	480	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Alachlor			< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Aldrin	5	97	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
b-BHC	36	360	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Chlordane	94	4,200	**28**	22	< 21	21	< 27	27	< 21	21	**80**	22	**70**	22	< 21	21	**110**	22	< 20	20	< 21	21	< 21	21	**49**	21	< 20	20	< 110	110	**73**	22	< 22	22	< 21	21	< 110	110	< 21	21
d-BHC	40	100,000	< 2.2	2.2	< 1.8	1.8	< 2.2	2.2	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 2.2	2.2	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 2.2	2.2	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Dieldrin	5	200	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 2.7	2.7	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 2.1	2.1	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Endosulfan I	2,400	24,000	< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Endosulfan II	2,400	24,000	< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Endosulfan sulfate	2,400	24,000	< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Endrin	14	11,000	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 2.2	2.2	< 2.9	2.9	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Endrin aldehyde			< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Endrin ketone			< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
g-BHC	100	280	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
gamma-Chlordane			< 3.6	3.6	< 3.5	3.5	< 4.5	4.5	< 3.5	3.5	< 3.6	3.6	< 3.6	3.6	< 3.5	3.5	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.4	3.4	< 18	18	< 3.6	3.6	< 3.7	3.7	< 3.6	3.6	< 18	18	< 3.4	3.4
Heptachlor	42	420	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 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	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Heptachlor epoxide			< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 1.8	1.8	< 1.8	1.8	< 2.2	2.2	< 1.7	1.7	< 2.5	2.5	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 8.9	8.9	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	< 9.2	9.2	< 1.7	1.7
Methoxychlor			< 7.2	7.2	< 7.1	7.1	< 8.9	8.9	< 7.1	7.1	< 7.3	7.3	< 7.2	7.2	< 7.0	7	< 7.2	7.2	< 6.7	6.7	< 7.0	7	< 7.0	7	< 7.1	7.1	< 6.8	6.8	< 36	36	< 7.2	7.2	< 7.3	7.3	< 7.1	7.1	< 37	37	< 6.9	6.9
Toxaphene			< 34	34	< 34	34	< 43	43	< 34	34	< 35	35	< 180	180	< 33	33	< 34	34	< 32	32	< 34	34	< 34	34	< 34	34	< 33	33	< 890	890	< 180	180	< 180	180	< 34	34	< 920	920	< 33	33
PCB-1016	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1221	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1232	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1242	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1248	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1254	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	**59**	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1260	100	1,000	**47**	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1262	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34
PCB-1268	100	1,000	< 36	36	< 35	35	< 45	45	< 35	35	< 36	36	< 36	36	< 35	35	< 36	36	< 33	33	< 35	35	< 35	35	< 35	35	< 34	34	< 36	36	< 36	36	< 37	37	< 36	36	< 37	37	< 34	34

Notes:

* Due to matrix interference from non target compounds in the sample an elevated RL was reported.

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

Dash - Not Analyzed

ND - Non-Detect

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

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

TABLE 5
140 Vanderbilt Avenue,
Brooklyn, New York
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				SB5				SB6				SB7				SB8				SB9			
			1/21/2014 (0-2') mg/Kg		1/21/2014 (5-7') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (11-13') mg/Kg		1/21/2014 (0-2') mg/Kg		Duplicate as SB3(0-2') mg/Kg		1/21/2014 (14-16') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (6-8') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (6-8') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (6-8') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (13-15') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (14-16') mg/Kg		1/21/2014 (0-2') mg/Kg		1/21/2014 (8-10') mg/Kg	
			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
Aluminum			7380	35	6260	32	18900	45	9320	33	6690	34	7010	34	5710	35	7200	39	1640	3.5	7130	36	6860	33	7500	37	7600	36	6200	36	7790	40	11600	33	7830	35	7560	38	6210	35
Antimony			< 1.8	1.8	< 1.6	1.6	< 2.3	2.3	< 1.6	1.6	2.1	1.7	2.8	1.7	< 1.7	1.7	< 1.9	1.9	< 1.8	1.8	< 1.8	1.8	< 1.7	1.7	< 1.8	1.8	< 1.8	1.8	< 1.8	1.8	1	2	1.2	1.7	< 1.7	1.7	< 1.9	1.9	< 1.7	1.7
Arsenic	13	16	4.2	0.7	2.4	0.6	1.4	0.9	0.9	0.7	5.6	0.7	5.4	0.7	1.9	0.7	6.5	0.8	3.2	0.7	1.7	0.7	1.2	0.7	2	0.7	1.5	0.7	3.6	0.7	4.3	0.8	6	0.7	1.1	0.7	2.6	0.8	1.3	0.7
Barium	350	400	158	0.7	88.5	0.6	117	0.9	38.1	0.7	128	0.7	111	0.7	40	0.7	219	0.8	57.4	0.7	42.8	0.7	38.9	0.7	52.6	0.7	53.8	0.7	43.3	0.7	232	0.8	257	0.7	46.9	0.7	48.4	0.8	37.1	0.7
Beryllium	7.2	72	0.33	0.28	0.27	0.26	0.98	0.36	0.37	0.26	0.37	0.27	0.34	0.27	0.29	0.28	0.35	0.31	< 0.28	0.28	0.35	0.29	0.32	0.27	0.31	0.29	0.45	0.29	0.26	0.29	0.52	0.32	0.52	0.27	0.35	0.28	0.35	0.31	0.33	0.28
Cadmium	2.5	4.3	1.26	0.35	0.35	0.32	0.18	0.45	< 0.33	0.33	0.64	0.34	1.02	0.34	0.15	0.35	1.07	0.39	0.2	0.35	0.18	0.36	< 0.33	0.33	< 0.37	0.37	0.25	0.36	< 0.36	0.36	0.69	0.4	0.83	0.33	< 0.35	0.35	0.19	0.38	< 0.35	0.35
Calcium			10500	350	2750	32	2160	45	5630	33	24700	34	29900	34	1840	35	28400	39	3750	35	3590	36	3510	33	31800	37	3650	36	83400	36	15900	40	8900	33	3500	35	48200	38	3630	35
Chromium	30	180	18.8	0.35	23.5	0.32	39.1	0.45	22.8	0.33	18.2	0.34	18.9	0.34	12.8	0.35	20.8	0.39	5.68	0.35	33	0.36	30.5	0.33	16.1	0.37	18.2	0.36	12.7	0.36	27.1	0.4	28.9	0.33	29.7	0.35	12.9	0.38	14.8	0.35
Cobalt			4.71	0.35	5.43	0.32	11.4	0.45	5.43	0.33	4.1	0.34	4.3	0.34	4.86	0.35	4.76	0.39	0.93	0.35	10.5	0.36	5.16	0.33	4.33	0.37	5.21	0.36	2.78	0.36	9.71	0.4	13	0.33	7.1	0.35	3.15	0.38	4.65	0.35
Copper	50	270	86.8	0.35	34.3	0.32	31.7	0.45	29.3	0.33	66.3	0.34	80.6	0.34	18.2	0.35	52.9	0.39	17.5	0.35	23.9	0.36	26.4	0.33	19.7	0.37	35.1	0.36	28.9	0.36	81.7	0.4	73.1	0.33	21.3	0.35	17.6	0.38	22.4	0.35
Iron			16700	350	14100	32	35600	45	15300	33	20300	34	20100	34	14500	35	16300	39	4540	35	18000	36	14900	33	12800	37	23800	36	11000	36	22300	40	29300	33	17900	35	13300	38	13000	35
Lead	63	400	401	7	125	0.6	9.9	0.9	5.2	0.7	246	6.7	217	6.8	4.7	0.7	394	7.7	103	0.7	32.2	0.7	15	0.7	41.5	0.7	4.9	0.7	29.3	0.7	213	7.9	455	6.7	6.3	0.7	40.8	0.8	5.5	0.7
Magnesium			3170	3.5	2010	3.2	6030	4.5	4660	3.3	3680	3.4	4490	3.4	2450	3.5	8510	39	355	3.5	3030	3.6	2920	3.3	5480	3.7	2750	3.6	11800	36	8140	40	5650	33	6880	35	10900	38	2780	3.5
Manganese	1,600	2,000	282	3.5	408	3.2	574	4.5	301	3.3	243	3.4	266	3.4	284	3.5	247	3.9	51.3	0.35	359	3.6	259	3.3	244	3.7	452	3.6	184	3.6	584	4	575	3.3	381	3.5	201	3.8	347	3.5
Mercury	0.18	0.81	1.74	0.09	0.19	0.07	< 0.08	0.08	< 0.07	0.07	0.35	0.07	0.4	0.08	< 0.08	0.08	1.42	0.07	< 0.07	0.07	< 0.07	0.07	0.09	0.08	0.2	0.07	< 0.08	0.08	< 0.08	0.08	0.77	0.08	1.84	0.07	< 0.07	0.07	0.07	0.06	< 0.07	0.07
Nickel	30	310	26.8	0.35	16.3	0.32	33.2	0.45	22.9	0.33	14.1	0.34	13.8	0.34	22.5	0.35	19.4	0.39	2.93	0.35	75.1	0.36	25.1	0.33	16	0.37	22	0.36	9.15	0.36	89	0.4	44.7	0.33	50.4	0.35	10.6	0.38	26.4	0.35
Potassium			999	70	1000	65	3280	90	1310	66	1100	7	1190	7	1120	70	1180	77	230	7	1120	73	1240	66	1260	73	967	71	920	72	1350	8	1890	67	2930	70	939	77	1550	69
Selenium	3.9	180	< 1.4	1.4	< 1.3	1.3	< 1.8	1.8	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4
Silver	2	180	< 0.35	0.35	< 0.32	0.32	< 0.45	0.45	< 0.33	0.33	< 0.34	0.34	< 0.37	0.37	< 0.35	0.35	< 0.39	0.39	< 0.35	0.35	< 0.36	0.36	< 0.33	0.33	< 0.37	0.37	< 0.36	0.36	< 0.36	0.36	< 0.40	0.4	< 0.33	0.33	< 0.35	0.35	< 0.38	0.38	< 0.35	0.35
Sodium			687	7	134	6	679	9	710	7	653	7	657	7	268	7	371	8	62	7	573	7	606	7	433	7	641	7	315	7	371	8	677	7	362	7	812	77	281	7
Thallium			< 1.4	1.4	< 1.3	1.3	< 1.8	1.8	< 1.3	1.3	< 1.3	1.3	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.6	1.6	< 1.3	1.3	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4
Vanadium			27.9	0.4	22.8	0.3	54.3	0.5	30.5	0.3	23	0.3	29.4	0.3	21	0.3	25.2	0.4	5.6	0.4	24.6	0.4	27	0.3	23.1	0.4	29.7	0.4	23.4	0.4	26.7	0.4	36	0.3	30.7	0.3	39.6	0.4	21.4	0.3
Zinc	109	10,000	5320	70	300	6.5	85.8	0.9	32	0.7	174	6.7	247	6.8	24.2	0.7	411	7.7	85.4	0.7	44.6	0.7	39.7	0.7	54.3	0.7	25.4	0.7	44.5	0.7	251	7.9	395	6.7	41.3	0.7	52.8	0.8	58.3	0.7

Notes:

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

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

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

Table 6
140 Vanderbilt Avenue,
Brooklyn , New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 1/29/2014 µg/L		MW2 1/29/2014 µg/L		MW3 1/29/2014 µg/L		Duplicate (MW1) 1/29/2014 µg/L	
1,1,1,2-Tetrachlorothane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 5.0	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
1,1,2-Trichloroethane	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
1,1-Dichloroethene	5	< 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
1,2,3-Trichlorobenzene		< 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
1,2,4-Trichlorobenzene		< 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
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	0.6	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloethane	0.94	< 0.6	0.6	< 0.6	0.6	< 0.6	0.6	< 0.6	0.6
1,2-Dibropropane		< 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
1,3-Dichlorobenzene	5	< 3	3	< 3	3	< 3	3	< 3	3
1,3-Dichloropropane	5	< 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
2,2-Dichloropropane	5	< 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
2-Hexanone (Methyl Butyl Ketone)		< 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
4-Chlorotoluene	5	< 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
Acetone		< 5.0	5	1.9	5	2.6	5	2.3	5
Acrolein		< 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
Benzene	1	< 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
Bromochloromethane	5	< 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
Bromoform		< 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
Carbon Disulfide	60	< 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
Chlorobenzene	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
Chloroform	7	**4.5**	5	**6.9**	5	**6**	5	**4.7**	5
Chloromethane	60	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
cis-1,2-Dichloroethene	5	< 1.0	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
Dibromochloromethane		< 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
Dichlorodifluoromethane	5	< 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
Hexachlorobutadiene	0.5	< 0.5	0.5	< 0.5	0.5	< 0.5	0.5	< 0.5	0.5
Isopropylbenzene	5	< 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
Methyl Ethyl Ketone (2-Butanone)		< 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
Methylene chloride	5	< 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
n-Butylbenzene	5	< 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
o-Xylene	5	< 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
sec-Butylbenzene	5	< 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
tert-Butylbenzene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	5	**3.9**	1	**7.9**	1	**6.6**	1	**3.9**	1
Tetrahydrofuran (THF)		< 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
trans-1,2-Dichloroethene	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
trans-1,4-dichloro-2-butene	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichloroethene	5	**0.4**	1	**1.5**	1	**1.2**	1	**0.42**	1
Trichlorofluoromethane	5	< 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
Vinyl Chloride	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1

Notes:

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
140 Vanderbilt Avenue,
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 1/29/2014 µg/L		MW2 1/29/2014 µg/L		MW3 1/29/2014 µg/L		Duplicate (MW1) 1/29/2014 µg/L	
1,2,4,5-Tetrachlorobenzene		< 1.5	1.5	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5
1,2,4-Trichlorobenzene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,2-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 3	3
1,2-Diphenylhdrazine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
1,3-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 3	3
1,4-Dichlorobenzene		< 3	3	< 3	3	< 3	3	< 3	3
2,4,5-Trichlorophenol	3	< 1	1	< 1	1	< 1	1	< 1	1
2,4,6-Trichlorophenol	3	< 1	1	< 1	1	< 1	1	< 1	1
2,4-Dichlorophenol		< 1	1	< 1	1	< 1	1	< 1	1
2,4-Dimethylphenol		< 1	1	< 1	1	< 1	1	< 1	1
2,4-Dinitrophenol		< 1	1	< 1	1	< 1	1	< 1	1
2,4-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2,6-Dinitrotoluene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Chloronaphthalene	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Chlorophenol		< 1	1	< 1	1	< 1	1	< 1	1
2-Methylnaphthalene		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Methylphenol (o-cresol)		< 1	1	< 1	1	< 1	1	< 1	1
2-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 5	5
2-Nitrophenol		< 1	1	< 1	1	< 1	1	< 1	1
3&4-Methylphenol (m&p-cresol)		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
3,3'-Dichlorobenzidine	5	< 5	5	< 5	5	< 5	5	< 5	5
3-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 5	5
4,6-Dinitro-2-methylphenol		< 1	1	< 1	1	< 1	1	< 1	1
4-Bromophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Chloro-3-methylphenol		< 1	1	< 1	1	< 1	1	< 1	1
4-Chloroaniline	5	< 5	5	< 5	5	< 5	5	< 5	5
4-Chlorophenyl phenyl ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
4-Nitroaniline	5	< 5	5	< 5	5	< 5	5	< 5	5
4-Nitrophenol		< 1	1	< 1	1	< 1	1	< 1	1
Acenaphthene	20	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acenaphthylene		< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.10	0.1
Acetophenone		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Aniline		< 5	5	< 5	5	< 5	5	< 5	5
Anthracene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzo(a)anthracene	0.002	**0.04**	0.02	**0.03**	0.02	**0.02**	0.02	0.02	0.02
Benzidine	5	< 5	5	< 5	5	< 5	5	< 5	5
Benzo(a)pyrene		< 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	**0.03**	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(g,h,i)perylene		< 0.02	0.02	0.04	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
Benzoic Acid		< 25	25	< 25	25	< 25	25	< 25	25
Benzyl Butyl phthalate		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bis(2-chloroethoxy)methane	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bis(2-chloroethyl)ether	1	< 1	1	< 1	1	< 1	1	< 1	1
Bis(2-chloroisopropyl)ether		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Bis(2-ethylhexyl)phthalate	5	< 1.6	1.6	< 1.6	1.6	< 1.7	1.7	< 1.6	1.6
Carbazole		< 25	25	< 25	25	< 25	25	< 25	25
Chrysene	0.002	**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
Dibenzofuran		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Diethylphthalate	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Dimethylphthalate	50	< 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
Di-n-octylphthalate	50	< 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
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Fluorene	50	< 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	< 0.5	0.5
Hexachlorocyclopentadiene	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Hexachloroethane	5	< 2.4	2.4	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4
Indeno(1,2,3-cd)pyrene	0.002	< 0.02	0.02	0.03	0.02	< 0.02	0.02	< 0.02	0.02
Isophorone	50	< 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
Nitrobenzene	0.4	< 0.4	0.4	< 0.4	0.4	< 0.4	0.4	< 0.4	0.4
N-Nitrosodimethylamine		< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
N-Nitrosodi-n-propylamine		< 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
Pentachloronitrobenzene		< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.10	0.1
Pentachlorophenol		< 0.80	0.8	< 0.80	0.8	< 0.84	0.84	< 0.80	0.8
Phenanthrene	50	< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.10	0.1
Phenol		< 1	1	< 1	1	< 1	1	< 1	1
Pyrene	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Pyridine		< 10	10	< 10	10	< 10	10	< 10	10

Notes:

ND - Not detected

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
140 Vanderbilt Avenue,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 1/29/2014 µg/L		MW2 1/29/2014 µg/L		MW3 1/29/2014 µg/L		Duplicate (MW1) 1/29/2014 µg/L	
PCB-1016	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1221	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1232	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1242	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1248	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1254	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1260	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1262	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
PCB-1268	**0.09**	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
4,4-DDD	**0.3**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
4,4-DDE	**0.2**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
4,4-DDT	**0.11**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
a-BHC	**0.94**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
a-chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Alachlor		< 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
b-BHC	**0.04**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Chlordane	**0.05**	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05
d-BHC	**0.04**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Dieldrin	**0.004**	**0.003**	0.002	**0.003**	0.002	< 0.002	0.002	< 0.002	0.002
Endosulfan I		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan II		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin aldehyde	**5**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Endrin ketone		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
gamma-BHC	**0.05**	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
g-chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Heptachlor	**0.04**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Heptachlor epoxide	**0.03**	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01
Methoxychlor	**35**	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1
Toxaphene		< 0.25	0.25	< 0.25	0.25	< 1.0	1	< 1.0	1

Notes:

ND - Non-detect

ND* - Due to matrix interference from non target compounds in the sample an elevated RL was reported.

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
140 Vanderbilt Avenue,
Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards	MW1 5/31/2013		MW2 5/31/2013		MW3 5/31/2013		Duplicate (MW1) 5/31/2013	
		mg/L		mg/L		mg/L		mg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	**NS**	**38.70**	0.10	**33.90**	0.10	**31.80**	0.10	**45.70**	0.10
Antimony	**0.003**	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	**0.025**	**0.016**	0.004	**0.018**	0.004	**0.014**	0.004	**0.017**	0.004
Barium	**1**	**0.528**	0.010	**0.415**	0.010	**0.425**	0.010	**0.591**	0.010
Beryllium	**0.003**	**0.002**	0.001	**0.002**	0.001	**0.001**	0.001	**0.002**	0.001
Cadmium	**0.005**	**0.002**	0.004	**0.001**	0.004	**0.001**	0.004	**0.002**	0.004
Calcium	**NS**	**87**	0.01	**75**	0.01	**87.0**	0.01	**90.0**	0.01
Chromium	**0.05**	**0.089**	0.001	**0.092**	0.001	**0.138**	0.001	**0.111**	0.001
Cobalt	**NS**	**0.046**	0.005	**0.061**	0.005	**0.040**	0.005	**0.054**	0.005
Copper	**0.2**	**0.172**	0.005	**0.157**	0.005	**0.173**	0.005	**0.206**	0.005
Iron	**0.5**	**58.1**	0.010	**63.9**	0.010	**58.4**	0.010	**70.8**	0.010
Lead	**0.025**	**0.080**	0.002	**0.073**	0.002	**0.069**	0.002	**0.094**	0.002
Magnesium	**35**	**48.1**	0.010	**56.9**	0.010	**46.50**	0.010	**51.6**	0.010
Manganese	**0.3**	**2.8**	0.050	**2.94**	0.050	**1.91**	0.005	**3.42**	0.050
Mercury	**0.0007**	< 0.0002	0.000	< 0.0002	0.000	< 0.0002	0.000	< 0.0002	0.000
Nickel	**0.1**	**0.144**	0.004	**0.247**	0.004	**0.126**	0.004	**0.172**	0.004
Potassium	**NS**	**11.7**	0.100	**11.3**	0.100	**10.0**	0.100	**12.9**	0.100
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**	**100**	1.000	**93**	1.000	**87**	1.000	**108**	1.000
Thallium	**0.0005**	< 0.0005	0.001	< 0.0005	0.001	< 0.0005	0.001	**0.001**	0.001
Vanadium	**NS**	**0.094**	0.010	**0.100**	0.010	**0.083**	0.010	**0.116**	0.010
Zinc	**2**	**0.199**	0.010	**0.198**	0.010	**0.177**	0.010	**0.235**	0.010

Notes:

BRL - Below Reporting Limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
140 Vanderbilt Avenue,
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards	MW1 5/31/2013 mg/L		MW2 5/31/2013 mg/L		MW3 5/31/2013 mg/L		Duplicate (MW1) 5/31/2013 mg/L	
	mg/L	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	**NS**	**1.94**	0.01	**1.78**	0.01	**0.85**	0.01	**0.56**	0.01
Antimony	**0.003**	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	**0.025**	**0.009**	0.003	**0.01**	0.003	0.008	0.003	0.007	0.003
Barium	**1**	**0.142**	0.011	**0.110**	0.011	**0.13**	0.011	**0.128**	0.011
Beryllium	**0.003**	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	**0.005**	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	**NS**	**76**	0.01	**65**	0.01	**74**	0.01	**75**	0.01
Chromium	**0.05**	**0.008**	0.001	**0.006**	0.001	**0.005**	0.001	**0.004**	0.001
Cobalt	**NS**	**0.002**	0.005	**0.002**	0.005	**0.001**	0.005	**0.001**	0.005
Copper	**0.2**	**0.008**	0.005	**0.008**	0.005	**0.005**	0.005	**0.006**	0.005
Iron	**0.5**	**2.41**	0.01	**2.28**	0.01	**0.98**	0.01	**0.52**	0.01
Lead	**0.025**	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Magnesium	**35**	**29**	0.01	**27**	0.01	**29**	0.01	**28**	0.01
Manganese	**0.3**	**0.067**	0.005	**0.066**	0.005	**0.02**	0.005	**0.013**	0.005
Mercury	**0.0007**	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	**0.1**	**0.006**	0.004	**0.006**	0.004	**0.003**	0.004	**0.004**	0.004
Potassium	**NS**	**5**	0.1	**5**	0.1	**5**	0.1	**5**	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**	**107**	1.1	**83**	1.1	**83**	1.1	**115**	1.1
Thallium	**0.0005**	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	**NS**	**0.01**	0.01	**0.01**	0.01	**0.002**	0.01	**0.002**	0.01
Zinc	**2**	**0.01**	0.011	**0.051**	0.011	**0.007**	0.011	**0.005**	0.011

Notes:

BRL - Below Reporting Limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 11
140 Vanderbilt Avenue,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

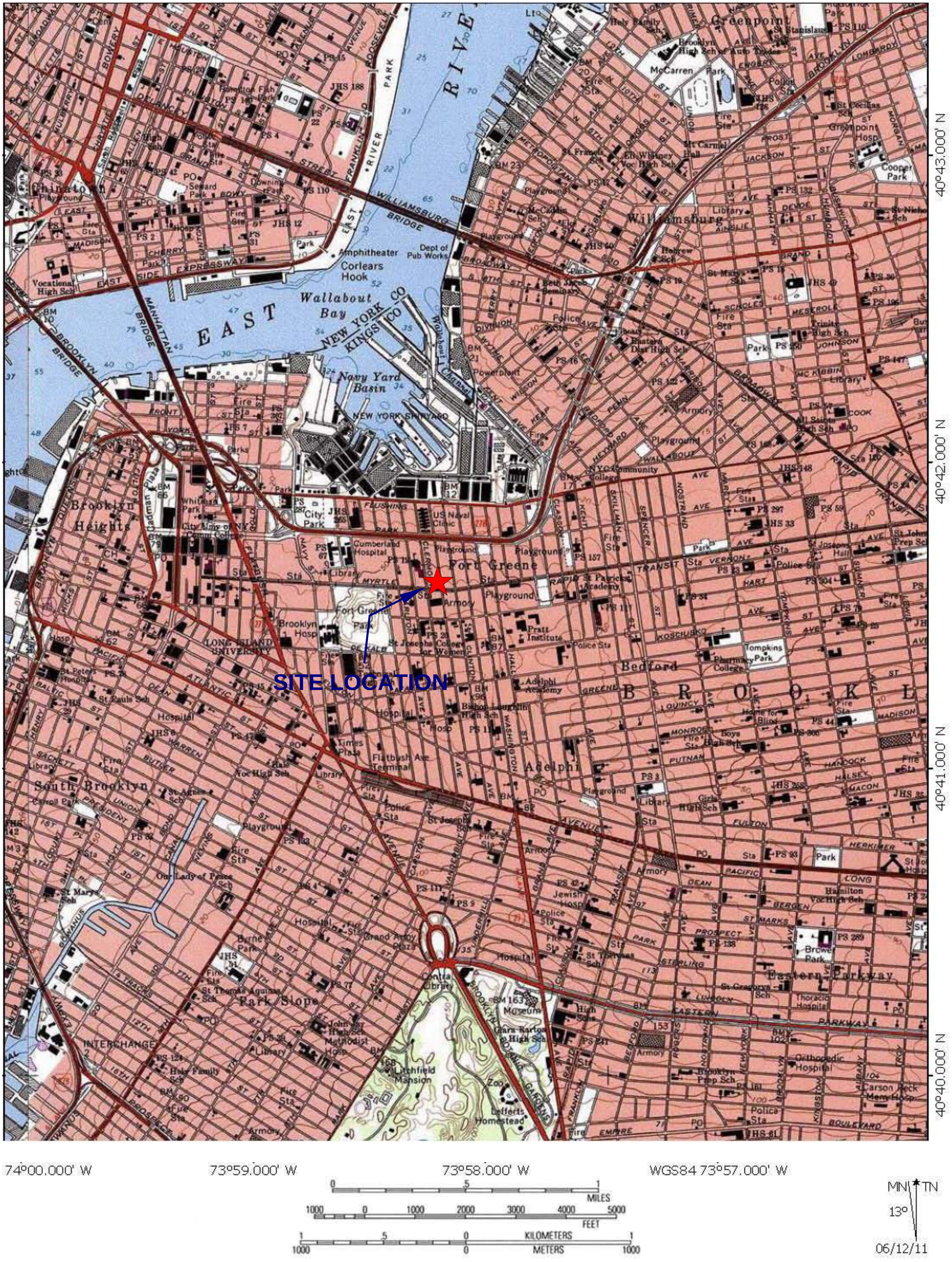
COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m^3) [a]	NYSDOH Soil Outdoor Background Levels (µg/m^3) [b]	SG-1 (µg/m3)		SG-2 (µg/m3)		SG-3 (µg/m3)		SG-4 (µg/m3)		SG-5 (µg/m3)		SG-6 (µg/m3)	
			(µg/m3)	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	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
1,1,2-Trichloroethane		<1.0	< 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
1,1-Dichloroethene		<1.0	< 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
1,2,4-Trimethylbenzene		<1.0	**6.29**	1	**16.1**	1	**1.82**	1	**4.81**	1	< 1.00	1	< 1.00	1
1,2-Dibromoethane		<1.5	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene		<2.0	< 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
1,2-Dichloropropane			< 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
1,3,5-Trimethylbenzene		<1.0	**2.06**	1	**4.96**	1	**< 1.00**	1	**1.42**	1	< 1.00	1	< 1.00	1
1,3-Butadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene		<2.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dichlorobenzene		NA	< 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
2-Hexanone			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Ethyltoluene		NA	**1.62**	1	**3.24**	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Isopropyltoluene			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Acetone		NA	**126**	1	**80**	1	**25.2**	1	**87.6**	1	**33.2**	1	**71**	1
Acrylonitrile			< 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	**8.3**	1	**1.85**	1	**1.47**	1	**1.88**	1	**1.66**	1
Benzyl Chloride		NA	< 1.00	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
Bromoform		<1.0	< 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
Carbon Disulfide		NA	**4.76**	1	< 1.00	1	**1.18**	1	**1.84**	1	**1.24**	1	**3.27**	1
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	**0.566**	0.25	**0.44**	0.25	**0.251**	0.25	**0.377**	0.25	**0.44**	0.25
Chlorobenzene		<2.0	< 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
Chloroform		<2.4	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	**2.59**	1	**25.1**	1
Chloromethane		<1.0 - 1.4	< 1.00	1	**1.53**	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
cis-1,3-Dichloropropene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane		NA	< 1.00	1	6.4	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dibromochloromethane		<5.0	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluromethane		NA	**1.63**	1	**1.83**	1	**1.93**	1	**2.22**	1	**2.42**	1	**1.73**	1
Ethanol			**24.3**	1	**47.6**	1	**43.5**	1	**102**	1	**16.2**	1	**25.8**	1
Ethyl Acetate		NA	**3.28**	1	**1.22**	1	< 1.00	1	**2.48**	1	< 1.00	1	**1.58**	1
Ethylbenzene		<4.3	**2.99**	1	**4.64**	1	< 1.00	1	**1.52**	1	< 1.00	1	< 1.00	1
Heptane		NA	**1.27**	1	**12**	1	**1.35**	1	**1.84**	1	**1.15**	1	**1.6**	1
Hexachlorobutadiene		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane		<1.5	< 1.00	1	**18.6**	1	**2.85**	1	**2.46**	1	**1.83**	1	**2.01**	1
Isopropylalcohol		NA	< 1.00	1	**3.86**	1	< 1.00	1	**2.01**	1	**1.4**	1	**1.4**	1
Isopropylbenzene			< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Xylene (m&p)		<4.3	**10.7**	1	**15.3**	1	**3.04**	1	**5.47**	1	**1.3**	1	**2.21**	1
Methyl Ethyl Ketone			**3.54**	1	**2.42**	1	< 1.00	1	**1.89**	1	< 1.00	1	**2.36**	1
MTBE		NA	< 1.00	1	< 1.00	1	< 1.00	1	**1.04**	1	< 1.00	1	< 1.00	1
Methylene Chloride		<3.4	< 1.00	1	3.02	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
n-Butylbenzene			< 1.00	1	1.1	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Xylene (o)		<4.3	**5.55**	1	**6.51**	1	**1.34**	1	**2.69**	1	< 1.00	1	< 1.00	1
Propylene		NA	**9.56**	1	**4.66**	1	**4.7**	1	**5.9**	1	**4.95**	1	**4.7**	1
sec-Butylbenzene			< 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
Tetrachloroethene	100		**0.746**	0.25	**2.58**	0.25	**1.83**	0.25	**1.22**	0.25	**0.339**	0.25	**1.83**	0.25
Tetrahydrofuran		NA	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene		1.0 - 6.1	**4.9**	1	**31.4**	1	**4.52**	1	**5.42**	1	**2.79**	1	**3.8**	1
trans-1,2-Dichloroethene		NA	< 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
Trichloroethene	5	<1.7	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Trichlorofluoromethane		NA	**1.07**	1	**1.24**	1	**1.18**	1	**1.18**	1	**1.29**	1	**1.8**	1
Trichlorotrifluoroethane			**1.46**	1	**1.68**	1	**1.61**	**1**	**1.61**	1	**1.76**	1	**2.45**	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
BTEX			24.14		66.15		10.75		16.57		5.97		12.37	

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)

Value detected above NYSDOH Air Guidance Value of 5 µg/m3, which according to Soil Vapor/Indoor Air Matrix 1 would require at a minimum, mitigation.

Value detected above NYSDOH Air Guidance Value of 100 µg/m3, which according to Soil Vapor/Indoor Air Matrix 2 would require at a minimum, mitigation.

FIGURES



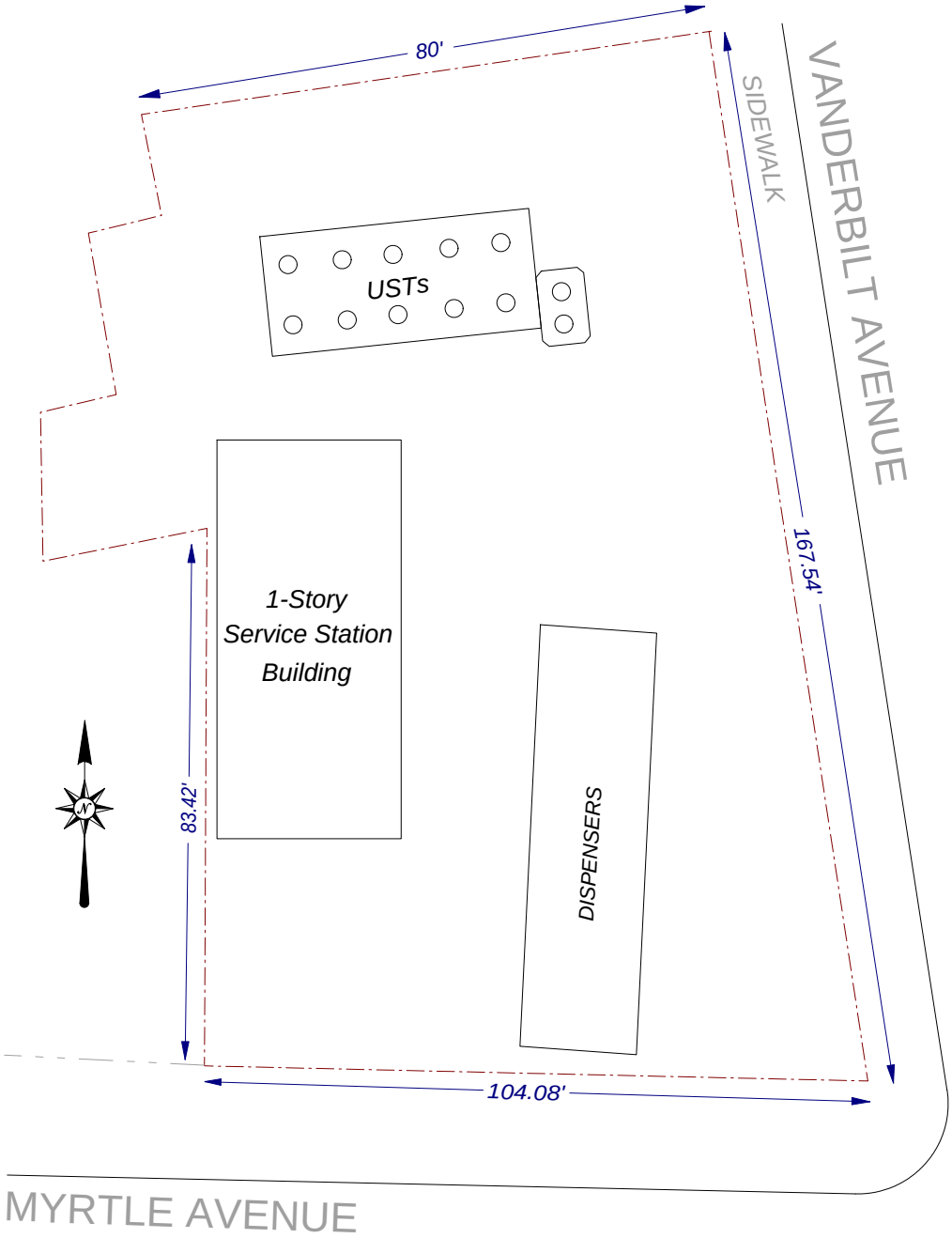
EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

Figure No.
1

Site Name: Gulf Service Station

Site Address: 140 Vanderbilt Avenue, Brooklyn, NY

Drawing Title: Site Location Map



KEY:

Property Boundary

SCALE:

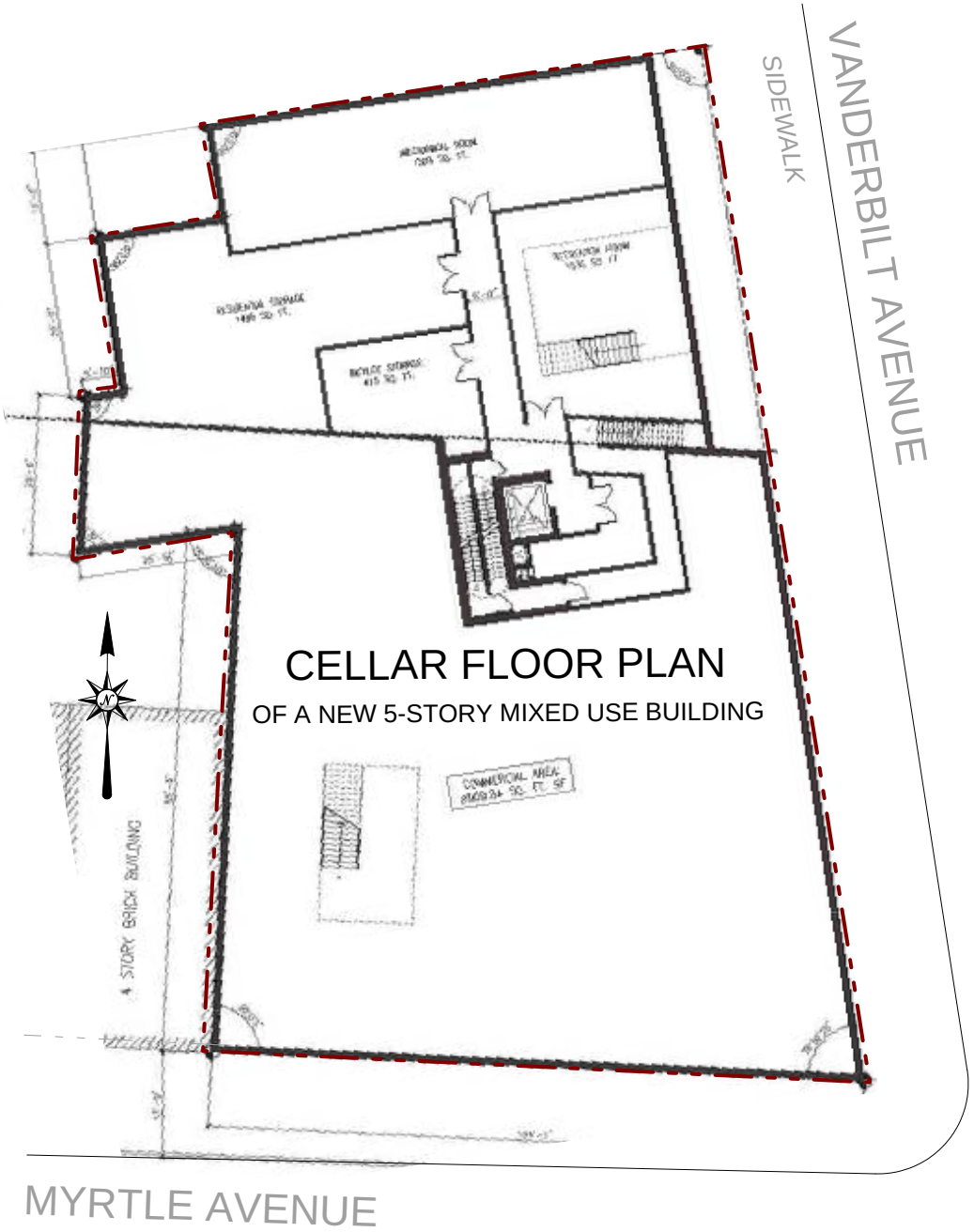
0 15 30 60

1 Inch = 30 Feet

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

Figure No. **2**

Site Name:	Former Gulf Service Station
Site Address:	140 Vanderbilt Avenue, Brooklyn, NY
Drawing Title:	Site Boundary Map



KEY:

Property Boundary

SCALE:

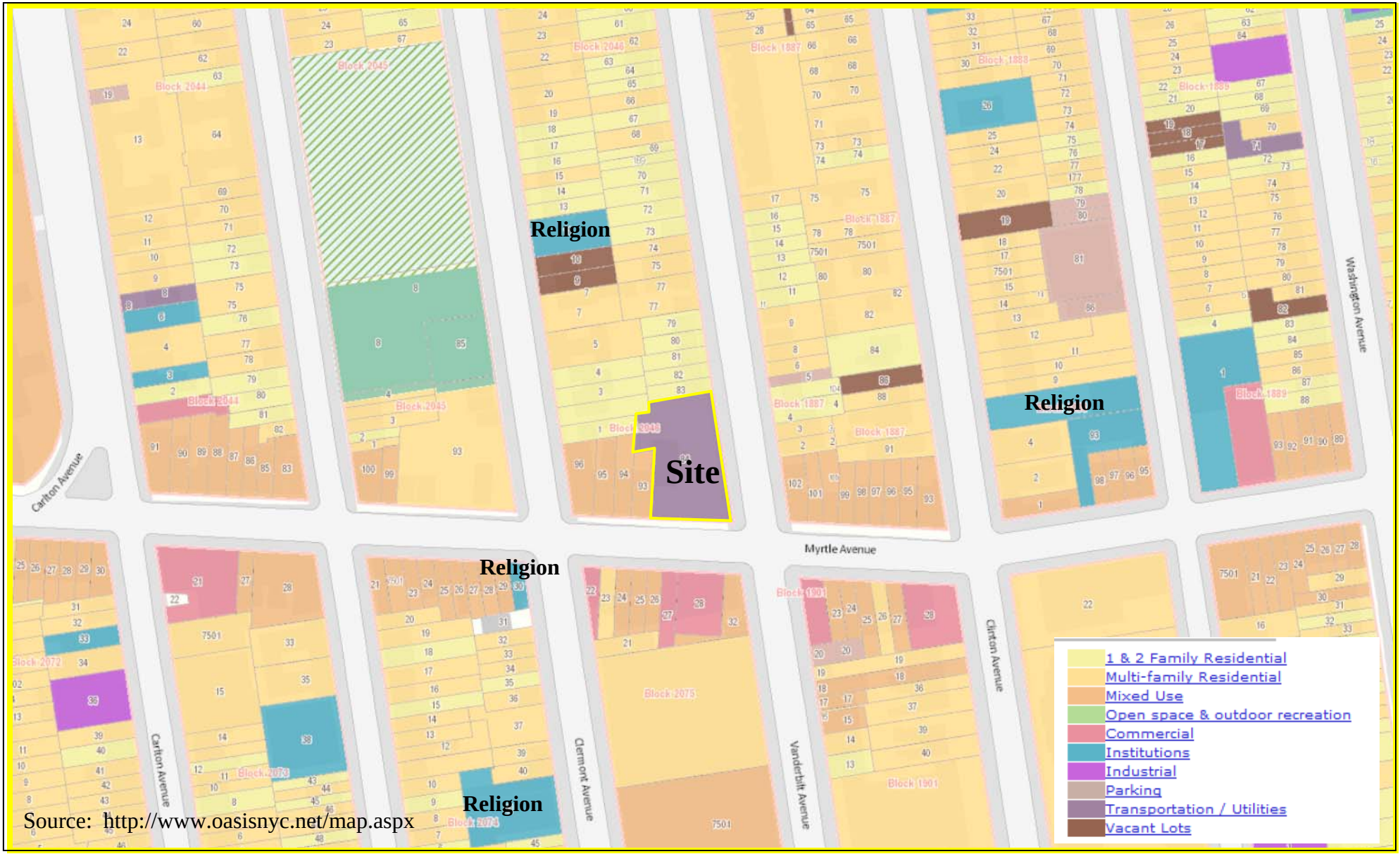
0 15 30 60

1 Inch = 30 Feet

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

Figure No. **3**

Site Name:	Former Gulf Service Station
Site Address:	140 Vanderbilt Avenue, Brooklyn, NY
Drawing Title:	Redevelopment Plan



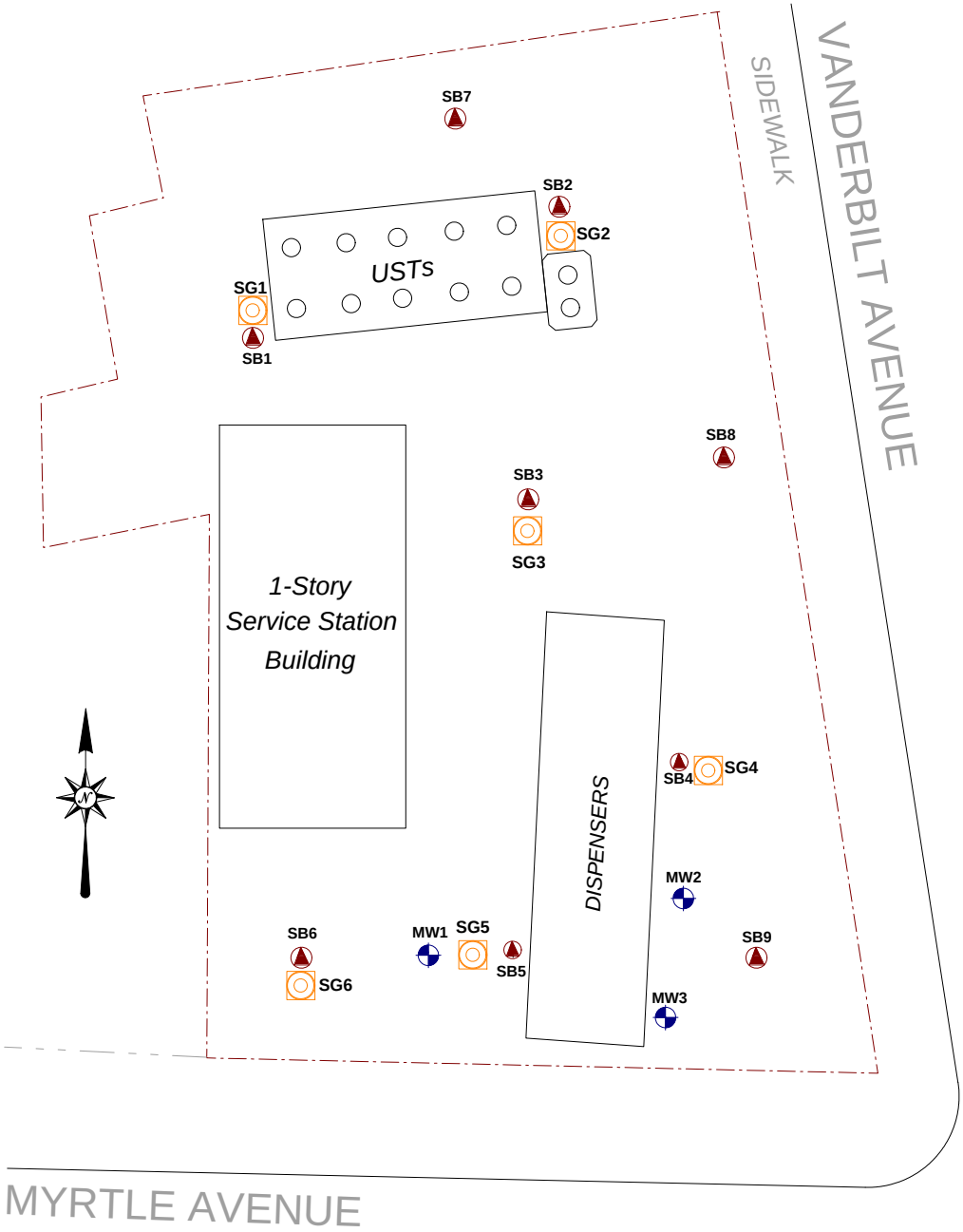
Source: http://www.oasisnyc.net/map.aspx

FIGURE 4
SURROUNDING LAND USE MAP

140 VANDERBILT AVENUE, BROOKLYN, NY

REMEDIAL INVESTIGATION REPORT

EBC
ENVIRONMENTAL BUSINESSS CONSULTANTS
1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
PHONE: (631) 504-6000 FAX: (631) 924-2870



KEY:

- Property Boundary
- Soil Boring Location
- Monitoring Well Location
- RI Soil Gas Sampling Location

SCALE:

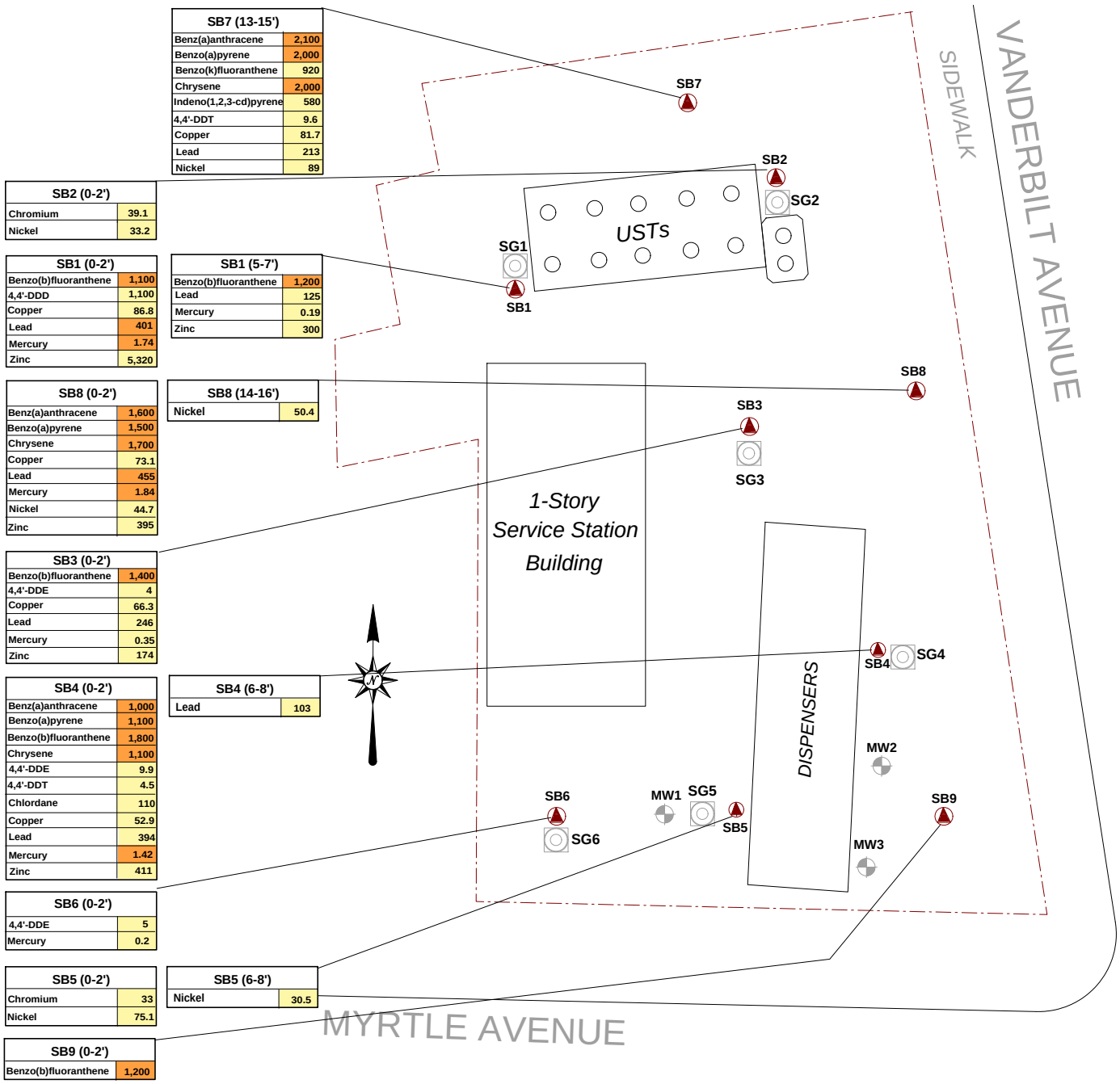
0 15 30 60

1 Inch = 30 Feet

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

Figure No. 5

Site Name:	Former Gulf Service Station
Site Address:	140 Vanderbilt Avenue, Brooklyn, NY
Drawing Title:	Site Plan



KEY:

- Property Boundary
- Soil Boring Location
- Monitoring Well Location
- RI Soil Gas Sampling Location
- Exceedence of Restricted Residential SCO
- Exceedence of Unrestricted Use SCO

VOCs/SVOCs/Pesticides	ppb
Metals	ppm

SCALE:

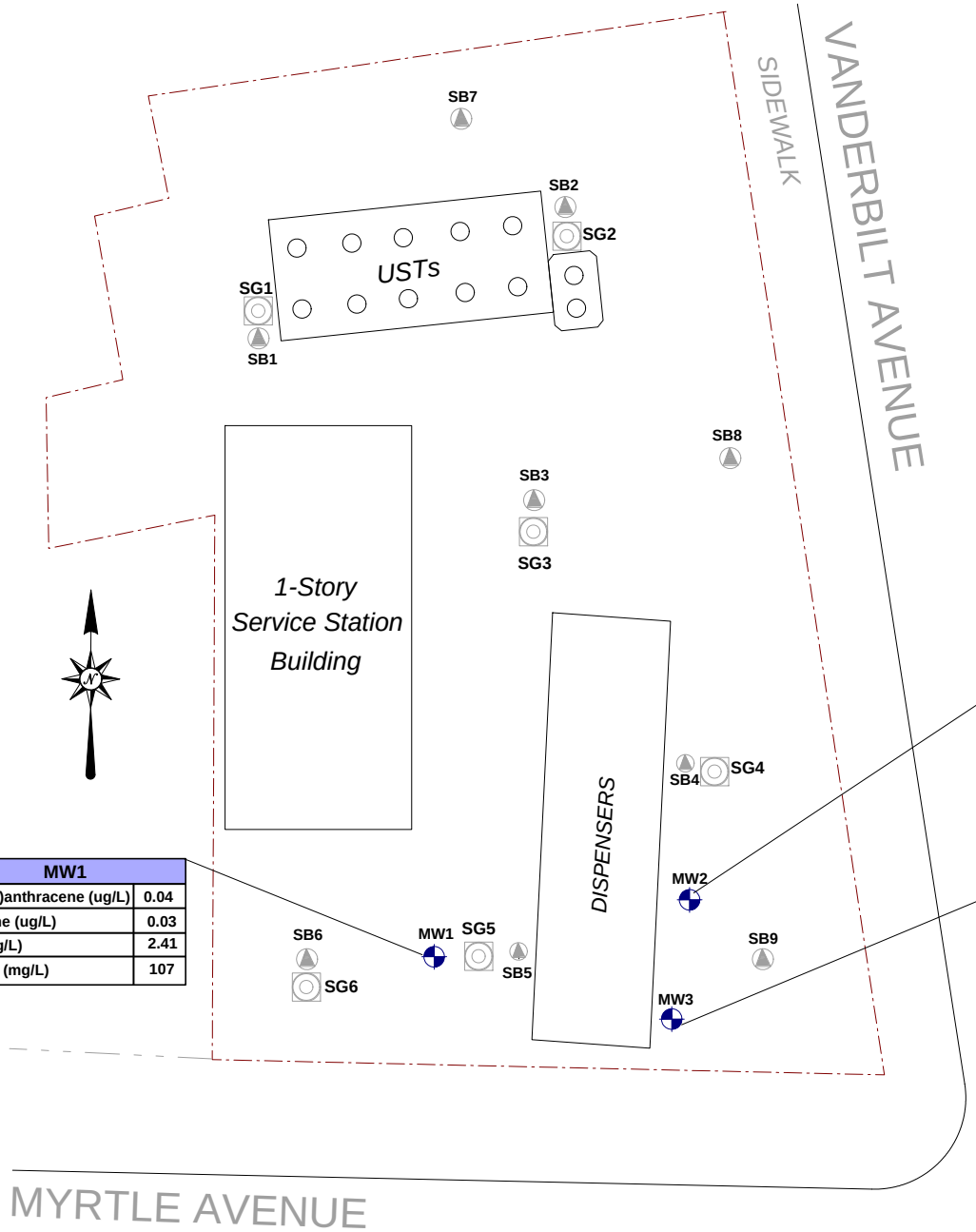
0 15 30 60

1 Inch = 30 Feet

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

Figure No. 5

Site Name:	Former Gulf Service Station
Site Address:	140 Vanderbilt Avenue, Brooklyn, NY
Drawing Title:	Site Plan



MW1	
Benzo(a)anthracene (ug/L)	0.04
Chrysene (ug/L)	0.03
Iron (mg/L)	2.41
Sodium (mg/L)	107

MW2	
Tetrachloroethylene (ug/L)	7.9
Benzo(a)anthracene (ug/L)	0.03
Benzo(b)fluroanthene (ug/L)	0.03
Chrysene (ug/L)	0.03
Iron (mg/L)	2.28
Sodium (mg/L)	83

MW3	
Tetrachloroethylene (ug/L)	6.6
Benzo(a)anthracene (ug/L)	0.02
Iron (mg/L)	0.98
Sodium (mg/L)	83

KEY:

- Property Boundary
- Soil Boring Location
- Monitoring Well Location
- RI Soil Gas Sampling Location

SCALE:

0 15 30 60

1 Inch = 30 Feet

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

Figure No. 7

Site Name: Former Gulf Service Station

Site Address: 140 Vanderbilt Avenue, Brooklyn, NY

Drawing Title: Groundwater Exceedences Map

SG1

1,2,4-Trimethylbenzene	6.29
1,3,5-Trimethylbenzene	2.06
4-Ethyltoluene	1.62
Acetone	126
Carbon Disulfide	4.76
Dichlorodifluromethane	1.63
Ethanol	24.3
Ethyl Acetate	3.28
Ethylbenzene	2.99
Heptane	1.27
Xylene (m&p)	10.7
Methyl Ethyl Ketone	3.54
Xylene (o)	5.55
Propylene	9.56
Tetrachloroethene	0.746
Toluene	9.11
Trichlorofluoromethane	1.07
Trichlorotrifluoroethane	1.46

SG2

1,2,4-Trimethylbenzene	16.1
1,3,5-Trimethylbenzene	4.96
4-Ethyltoluene	3.24
Acetone	80
Benzene	8.3
Carbon Tetrachloride	0.566
Chloromethane	1.53
Dichlorodifluromethane	1.83
Ethanol	47.6
Ethyl Acetate	1.22
Ethylbenzene	4.64
Heptane	12
Hexane	18.6
Isopropylalcohol	3.86
Xylene (m&p)	15.3
Methyl Ethyl Ketone	2.42
Xylene (o)	6.51
Propylene	4.66
Tetrachloroethene	2.58
Toluene	31.4
Trichlorofluoromethane	1.24
Trichlorotrifluoroethane	1.68

SG6

Acetone	71
Benzene	1.66
Carbon Disulfide	3.27
Carbon Tetrachloride	0.44
Chloroform	25.1
Dichlorodifluromethane	1.73
Ethanol	25.8
Ethyl Acetate	1.58
Heptane	1.6
Hexane	2.01
Isopropylalcohol	1.4
Xylene (m&p)	2.21
Methyl Ethyl Ketone	2.36
Propylene	4.7
Tetrachloroethene	1.83
Toluene	3.8
Trichlorofluoromethane	1.8
Trichlorotrifluoroethane	2.45

SG3

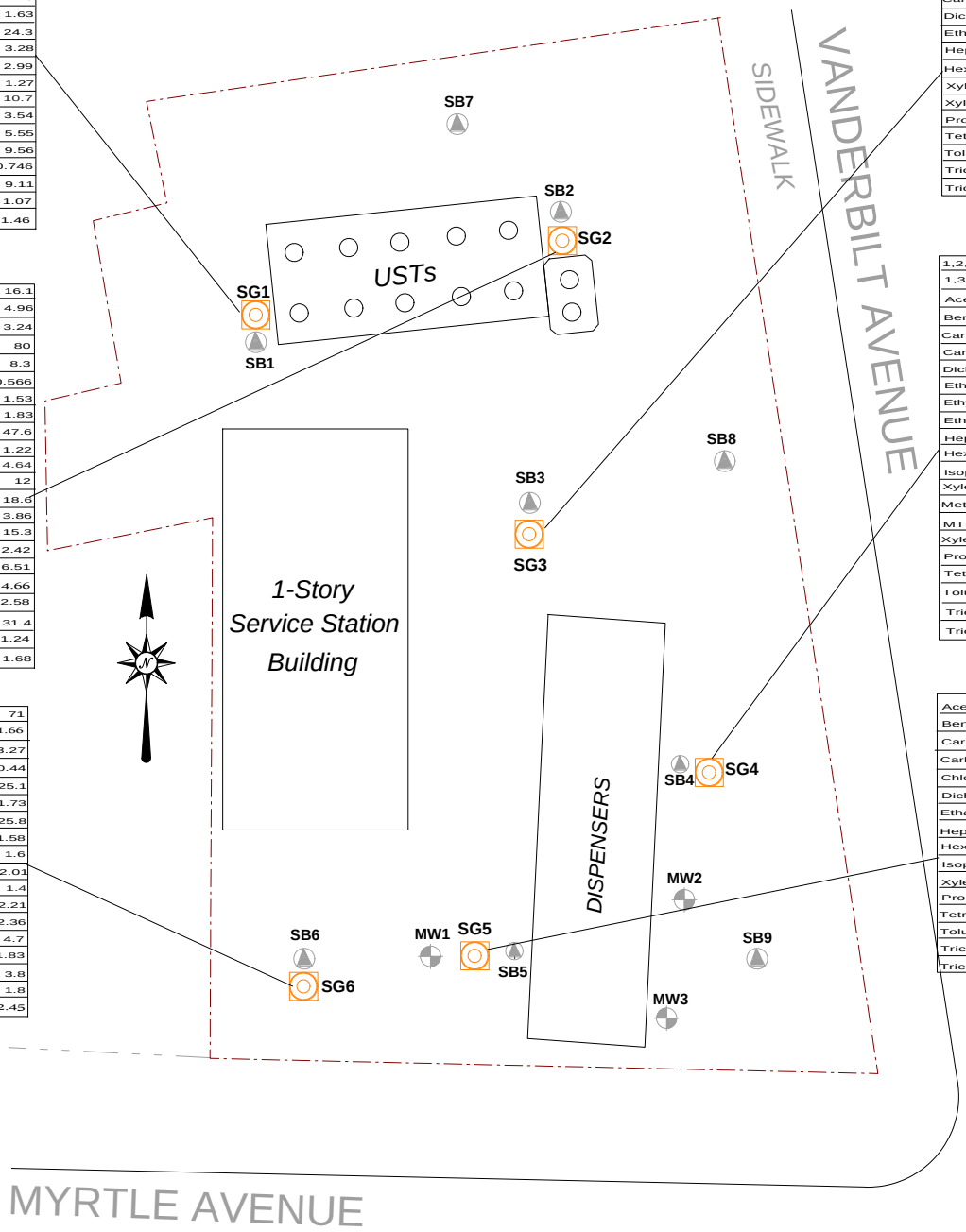
1,2,4-Trimethylbenzene	1.82
Acetone	25.2
Benzene	1.85
Carbon Disulfide	1.18
Carbon Tetrachloride	0.44
Dichlorodifluromethane	1.93
Ethanol	43.5
Heptane	1.35
Hexane	2.85
Xylene (m&p)	3.04
Xylene (o)	1.34
Propylene	4.7
Tetrachloroethene	1.83
Toluene	4.52
Trichlorofluoromethane	1.18
Trichlorotrifluoroethane	1.61

SG4

1,2,4-Trimethylbenzene	4.81
1,3,5-Trimethylbenzene	1.42
Acetone	87.6
Benzene	1.47
Carbon Disulfide	1.84
Carbon Tetrachloride	0.251
Dichlorodifluromethane	2.22
Ethanol	102
Ethyl Acetate	2.48
Ethylbenzene	1.52
Heptane	1.84
Hexane	2.46
Isopropylalcohol	2.01
Xylene (m&p)	5.47
Methyl Ethyl Ketone	1.89
MTBE	1.04
Xylene (o)	2.69
Propylene	5.9
Tetrachloroethene	1.22
Toluene	5.42
Trichlorofluoromethane	1.18
Trichlorotrifluoroethane	1.61

SG5

Acetone	33.2
Benzene	1.88
Carbon Disulfide	1.24
Carbon Tetrachloride	0.377
Chloroform	2.59
Dichlorodifluromethane	2.42
Ethanol	16.2
Heptane	1.15
Hexane	1.83
Isopropylalcohol	1.4
Xylene (m&p)	1.3
Propylene	4.95
Tetrachloroethene	0.339
Toluene	2.79
Trichlorofluoromethane	1.29
Trichlorotrifluoroethane	1.76



KEY:

- Property Boundary
- Soil Boring Location
- Monitoring Well Location
- RI Soil Gas Sampling Location

SCALE:

0 15 30 60

1 Inch = 30 Feet

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

Figure No. 8

Site Name: Former Gulf Service Station

Site Address: 140 Vanderbilt Avenue, Brooklyn, NY

Drawing Title: Soil Gas Detections Map

ATTACHMENT A
Phase I Report

ATTACHMENT B
Tank Excavation Assessment Report

RECEIVED
JUN 30 2003
ENVIRONMENTAL
DEPARTMENT

Tank Excavation Report
Exxon Service Station RAS #3-7890
Myrtle Avenue & Vanderbilt Avenue
Brooklyn, New York

2634795

June 1993

Prepared For:
Exxon Company, USA
1400 Old Country Road
Westbury, New York 11590

Prepared By:
Handex of New York
61 C Carolyn Boulevard
Farmingdale, New York 11735

Handex®

Handex®

HANDEX OF NEW YORK, 61 C Carolyn Blvd., P.O. Box 3318, Farmingdale, NY 11735 (516) 752-7878 Fax: (516) 752-7890

June 25, 1993

Mr. Patrick Lam
Exxon Company, USA
Parkway Plaza 4th Floor
1400 Old Country Road
Westbury, New York 11590

RE: Exxon Service Station - RAS # 3-7890
Myrtle Avenue
Brooklyn, New York

Dear Mr. Lam:

Enclosed please find two copies of the revised Tank Excavation Assessment report for the above referenced site, dated June 1993. The soil samples collected from the side walls of the fuel oil tank excavation showed that petroleum hydrocarbons were present in concentrations above the NYS guidelines. Therefore, Handex recommends that several borings be advanced in the area surrounding the excavation to determine the extent of petroleum hydrocarbons in the subsurface.

If you have any question please contact our office.

Sincerely,

Roy J. Backman

Roy J. Backman
Senior Hydrogeologist/
Project Manager

attachments

7/27/93
Spoke w/Coluccio Re Holding times on lab. Samples are ok. After lab leaches sample have 14 days to analyze. Therefore ok.
RJB.

INTRODUCTION

Handex of New York was retained by Exxon Company, USA to observe the excavation and removal of one underground fuel-oil tank at the Exxon Service Station (RAS #3-7890) located at Myrtle Avenue and Vanderbilt Avenue, Brooklyn, New York.

FIELD INVESTIGATION

Tank Removal

On February 12, 1993, the 550-gallon fuel oil tank was removed by Alvin Petroleum. The location of the single wall steel tank is shown on Figure 1. A hydrogeologist from Handex of New York was on-site to observe and photo-document the condition of the tank, screen excavated soil and collect soil samples for laboratory analysis. The photo-documentation with descriptions are given in Appendix A.

Prior to tank removal the liquid within the tank was removed with a vacuum truck supplied by Island Pump and Tank, and the fuel oil was placed into drums for reuse.

Once removed from the excavation, the tank was visually inspected for structural integrity, and a small hole was discovered at the base of the tank (photographs #1, #2), on the side facing west. After inspection, the tank was cut open in order to remove the tank bottom sludge and residual liquid. The material removed from the storage tank was placed into one DOT-approved drum. The drum was disposed of as hazardous waste in accordance with NYSDEC regulations by Exxon Company, USA. After the tank was sufficiently cleaned, they were transported off-site by Alvin Petroleum for disposal. The tank bottom sludge manifest is given in Appendix B.

The excavated and exposed soil was visually inspected and screened with an HNu photoionization detector to detect the presence of volatile organics. The depth of the excavation once the tank was removed was 4 ft. below grade. Additional soil was removed along the western portion of the excavation until 8 ft. below grade, to determine the impact to underlying soils. The fill material within the excavation consisted of fine to coarse sand and ground water was not encountered.

The excavated and remaining soil showed no signs of hydrocarbon staining (photographs #3, #4). The HNu level approximately one foot below the tank on the side where the hole was discovered was 84 ppm. HNu levels from the same location at depths of 6, 7, and 8 ft. below grade were 24, 70, and 5 ppm, respectively. HNu readings taken from the soils located at the center of the northern, southern, western and eastern side walls of the excavation ranged from non-detectable to 22 ppm. The HNu levels detected are summarized on Table 1, and their locations are shown on Figure 1. Since HNu levels did not exceed 100 ppm and there was no visible hydrocarbon staining, it was determined to backfill the excavation with the excavated soil.

Soil Sampling and Analyses

For documentation of soil quality, a soil sample was collected from approximately one foot below the tank, in the center and side walls (Figure 1) of the excavation (Figure 1). The samples were sent to Analab Inc., a New York State certified laboratory, located in Edison, New Jersey. The samples were analyzed for volatile and semi-volatile organics (EPA 8021\8270) using the Toxic Characteristic Leachate Procedure (TCLP). A copy of the laboratory report received from Analab is given in Appendix C.

Table 2 summarizes the concentrations of compounds detected above their respective laboratory method detection limits. The guidance values for each compound as set forth by the NYSDEC is included in Table 2. Referring to Table 2, the sample collected from directly beneath the tank (#1) showed all concentrations were below NYS soil guidelines. Benzene was only detected in samples #3 and #5, with concentrations of 6.13 ppb and 7.29 ppb, respectively. In addition, phenanthrene was the only semi-volatile organic detected, with concentrations below NYS soil guidelines in all samples collected.

Summary

Upon removal of the tank, a small hole was discovered at the base of the western end. Soil screening with an HNu photoionization detector revealed relatively low readings. However, analytical data from soil samples collected from the side walls of the excavation showed elevated concentrations of volatile organics, above NYS soil guidance values.

If you have any questions regarding this site please feel free to contact our office.

Respectfully,

Bryan Irving
Hydrogeologist

Table 1

HNu Results from Beneath Fuel Oil Tank
Exxon Service Station RAS #3-7890
Myrtle Avenue & Vanderbilt Avenue
Brooklyn, New York

Sample Name (location)	Depth (feet below grade)	HNu Reading (ppm)
#1 (1 ft. below tank)	5	84
#2 (west side wall)	5	22
#3 (south side wall)	5	11
#4 (north side wall)	5	2
#5 (east side wall)	5	0
-- (below tank)	6	24
-- (below tank)	7	70
-- (below tank)	8	5

Table 2

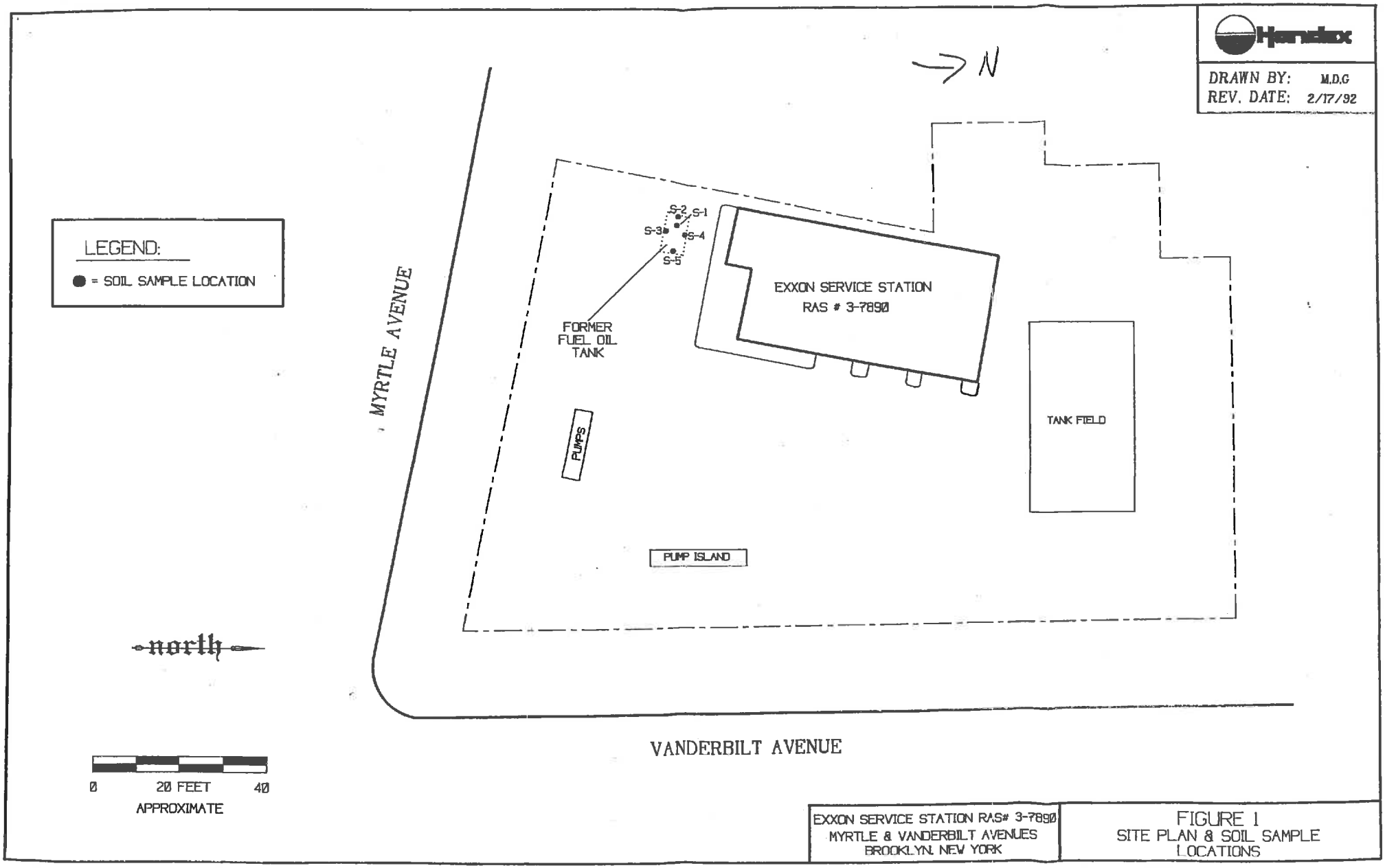
Volatile and Semi-Volatile Organics by TCLP (8020\8021)
Exxon Service Station RAS #3-7890
Myrtle Ave & Vanderbilt Ave
Brooklyn, NY

Compound	S - 1	S - 2	S - 3	S - 4	S - 5
Benzene(0.7)	<1	<1	6.13	<1	7.29
Ethylbenzene(5)	<1	49.9	66.4	16.9	70
Toluene(5)	1.66	77.3	106	18.2	122
Xylenes(5)	<1	341	384	96.6	375
Isopropylbenzene(5)	<1	15.6	14.7	6.56	15.2
n-Propylbenzene(5)	<1	26.4	24.8	13	26.7
p-Isopropyltoluene(5)	1.07	22.2	18.6	14	20.6
1,2,4-Trimethylbenzene(5)	<1	218	232	103	230
1,3,5-Trimethylbenzene(5)	<1	129	130	62	123
sec-Butylbenzene(5)	<1	8.41	6.59	5.09	7.54
Napthalene(10)	<1	259	344	107	368
Phenanthrene(50)	<10	11.2	12	<10	<10

Notes: Guidance values obtained from NYSDEC Petroleum-Contaminated Soil Guidance Policy in parentheses.
All results and guidance values in parts per billion.

FIGURES

Handex®

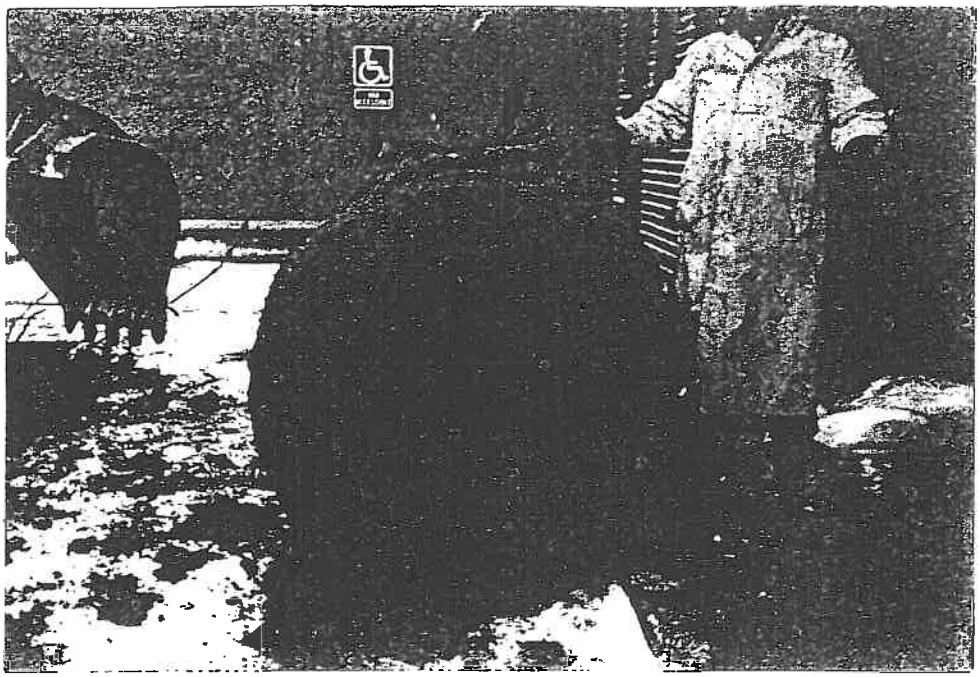


EXXON SERVICE STATION RAS# 3-7890
MYRTLE & VANDERBILT AVENUES
BROOKLYN, NEW YORK

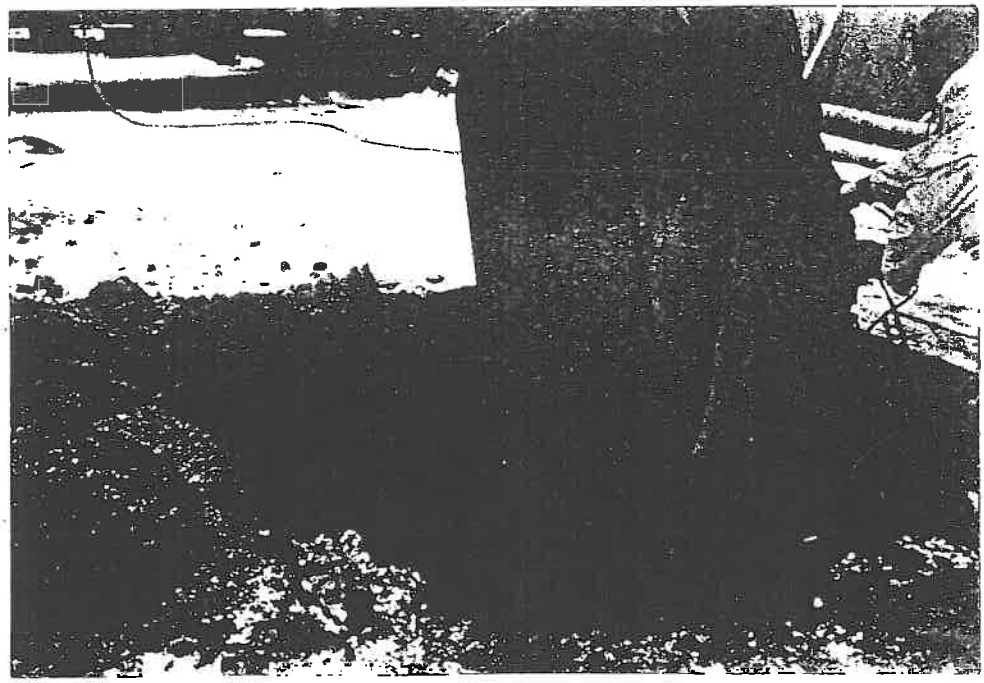
FIGURE 1
SITE PLAN & SOIL SAMPLE LOCATIONS

APPENDIX A
Photographs

Handex®



1 - 550-gallon Fuel Oil Tank (hole located at base of the end facing camera)



#2 - 550-gallon Fuel Oil Tank During Removal

#3 - Excavation after removal of 550-gallon Fuel Oil Tank (facing southwest)

#4 - Excavation after removal of 550-gallon Fuel Oil Tank (facing northeast)

APPENDIX B

Hazardous Waste Manifest - Tank Bottom Sludge

Handex®

APPENDIX C
Laboratory Report - Soil Samples

Handex®

ANALAB INC.
205 Campus Plaza I
Raritan Center
Edison, New Jersey 08837
(908) 225-4111
FAX: (908) 225-4110
Contact: John Lucki

Form 3
EXXON COMPANY, U.S.A.–REGIONAL LABORATORY PROGRAM

CHAIN OF CUSTODY

Consultant Name: Handex of New York
Address: 61 C Carolyn Blvd. Farmingdale, NY
Project Contact: Bryan Irving Project #: 106430-01
Phone #: 516 752-7878 FAX #: 516 752-7890
Consultant Work Release #: 09300660
Exxon Contact: Patrick Lamb EE/CM (circle one) Phone #:
Site RAS #: 3-7890
Site Location: Myrtle Ave & Vanderbilt Ave, Brooklyn, NY
Laboratory Work Release #:

93-02-140

ANALYSIS*

Sampled by (please print): Bryan Irving
Sampler Signature: [signature]

	Sample Description	Collection Date/Time	Matrix	Preav.	# of Cont.	SOIL HVA Method	SOIL 7220 (8021)	SOIL 7240 (8020)	WATER									Sample Temp (circle upon receipt) 5 Remarks
1		2/17/93 10:00am	S	–	1		X	X										
2		10:20am		–			X	X										
3		10:25am		–			X	X										
4		10:30am		–			X	X										
5		10:35am		–			X	X										

Cooler Seal Intact	Relinquished by/Affiliation	Accepted by/Affiliation	Date	Time
Out Bound: ☑ Yes ☐ No; In Bound: ☑ Yes ☐ No	Bryan/HNY	[signature]		
	[signature]	[signature]	2/17/93	12:30

Turnaround Time (circle one)
1. 24 hr.
2. 48 hr.
3. 72 hr.
4. Standard: ____ calendar days
5. Other ____ calendar days

All Samples Received Cool Intact and Properly Preserved

Shipment Method
Shipment Date
Airbill # (if applicable)

Additional Comments: Must have low detection limits (see attached NYSPEC regulations)
NOTE Sample Dis. #1 TAKEN 5 G.S.

Distribution: White – Original Yellow – Exxon Pink – Lab Goldenrod – Consultant Field Staff

* Analysis information will be regional specific per laboratory
** Standard turnaround time may vary by regional contact

Page ____ of ____

135-9241/AL.P

ATTACHMENT C
Baseline Environmental Assessment

ATC ASSOCIATES INC

'04 East 25th Street
New York NY 10010
www.atc-enviro.com
212 353 8280
Fax 212 353 8306

April 25, 2000

Mr Steve Belin
Environmental Compliance Manager
TOSCO Marketing Company
5650 Breckenridge Park Drive Suite 300
Tampa, Florida 33610

Mr Dan Stevens
Remediation Lead
Exxon/Mobil Corporation
1200 Timberloch Place
Room 393
The Woodlands Texas 77380-1046

RE **Baseline Environmental Assessment**
Former (Exxon/Mobil) Facility No. 37890
Tosco Facility No. 2634795
140 Vanderbilt Avenue
Brooklyn, New York
ATC Project Number 90715-4502-64

Store # 34795
Report Type Code SI
Description Baseline report
Date 4/25/00

Gentlemen

ATC Associates Inc (ATC) is pleased to provide the findings of our subsurface investigation at the above referenced site The investigation was performed at sites which were divested by ExxonMobil Corporation and purchased by Tosco Corporation (TOSCO") This investigation was initiated as part of the due diligence efforts related to the above referenced divestment The scope of work was developed to assess the baseline conditions at specific source areas across the site as identified by TOSCO and ATC and subsequently reviewed by ExxonMobil Corporation prior to the initiation of assessment This information is being provided to ExxonMobil Corporation in fulfillment of the divestment agreement between the ExxonMobil Corporation and TOSCO

Site Description

The site is located at the southeastern corner of the intersection of Myrtle Avenue and Vanderbilt Avenue in Brooklyn, New York The site is bound to the north by residential and commercial properites to the south by Myrtle Avenue, to the east by Vanderbilt Avenue, and to the west by commercial and residential properties The site is developed as a retail gasoline station/service station

Soil Investigation

On February 17, 2000 two soil borings were advanced at the site The locations of the borings are shown in ***Figure 1.*** The rational for the boring locations are summarized below

- Boring SB-3 was installed to evaluate impacts to soil in the vicinity of the former UST basin

- Boring SB-4 was installed to evaluate impacts to soil in the vicinity of the remote fills

- Borings SB-1, SB-2, and SB-5 were abandoned due to refusal encountered at 2 feet, 4 5 feet, and 6 feet, respectively on old concrete foundations

Based on the source area being evaluated, chemical analysis for the soil samples collected were targeted for key analytes The following table summarizes the analyte selection

Source Location/Boring*	Analyte Selection	Laboratory Method
Former Gasoline Pit and Remote Fill Area/SB-3 and SB-4	Benzene, Toluene, Ethlybenze, Xylene, MTBE, 1,2,4-Trimethylbenzene, 1,3,5- Trimethylbenzene, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, Napthalene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene,	EPA 8021

*Please see Boring Logs for total depth of boring

The soil samples were collected in accordance with the State of New York guidelines The samples were placed in containers supplied by the laboratory, placed in ice filled coolers, and shipped to SPL Laboratory under chain of custody procedures The soil boring logs are presented in ***Appendix A*** The results of the analysis are shown in ***Attachment B*** and summarized in ***Table 1***

Groundwater Investigation

During the advancement of soil borings, groundwater was not encountered in the borings Also, groundwater was not detected in the tank pit monitoring wells Therefore, no groundwater investigation was conducted at the site

Laboratory Results

No VOCs were detected above the New York State Department of Environmental Conservation Spill Technology and Remediation Series Memo No 1- Petroleum Contaminated Soil Guidance Policy (NYSDEC STARS Memo) Alternative Guidance Values in soil samples from borings SB-3 and SB-4

Summary

Analytes were not detected above NYSDEC Guidance Values in soil samples collected adjacent to the former UST area or remote fill area Groundwater was not encountered in the borings or tank pit monitoring wells, and therefore no groundwater investigation was conducted at the site

Limitations

This report provides a summary of the evidence collected and observations made by ATC during this assessment program ATC performed subsurface sampling to evaluate impacts from selected source areas at this single point in time Actual impacts to the subsurface can vary between sample points and source areas This report is based upon the information developed by ATC as a result of this one-time sampling and does not guarantee that the site is limited to these reported levels of contamination/free of petroleum or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future

We appreciate the opportunity to assist you on this project If you have any questions or comments, please contact us at 919-847-8339

Sincerely,

ATC Associates, Inc.

David M Winslow, Ph D
Senior Geologist

Paul J Warmus, P G
Senior Project Manager

TABLE 1
SOIL ANALYTICAL RESULTS

EXXON STORE # 37890
140 VANDERBILT AVENUE
BROOKLYN, NEW YORK
ATC PROJECT NO 90715-4502-64

Parameter	State Standards	SB-3	SB-4
Sample Depth (feet bls)	NA	8	14
1,2,4-Trimethylbenzene	100	ND	ND
1,3,5-Trimethylbenzene	100	3.3	ND
Benzene	14	ND	ND
Ethylbenzene	100	ND	ND
Isopropylbenzene	100	ND	ND
Methyl tert-butyl-ether	1000	1	ND
n-Butylbenzene	100	ND	ND
n-Propylbenzene	100	1.4	ND
Napthalene	200	ND	ND
p-Isopropyltoluene	100	6.6	ND
sec-Butylbenzene	100	ND	ND
tert-Butylbenzene	100	ND	ND
Toluene	100	ND	ND
Xylenes, Total	100	ND	ND
Chromium*	10	NS	NS
Lead*	SB	NS	NS

Notes

1. Concentrations are reported in micrograms per kilogram (ug/kg) = parts per billion (ppb)
2. or ND = Not detected at or above the laboratory detection limit
3. Soil samples collected on 2/17/98
4. NE = Not Established
5. NS = Not Sampled
6. bls = below land surface
7. * = Concentrations in milligrams per kilogram (mg/kg) = parts per million (ppm)

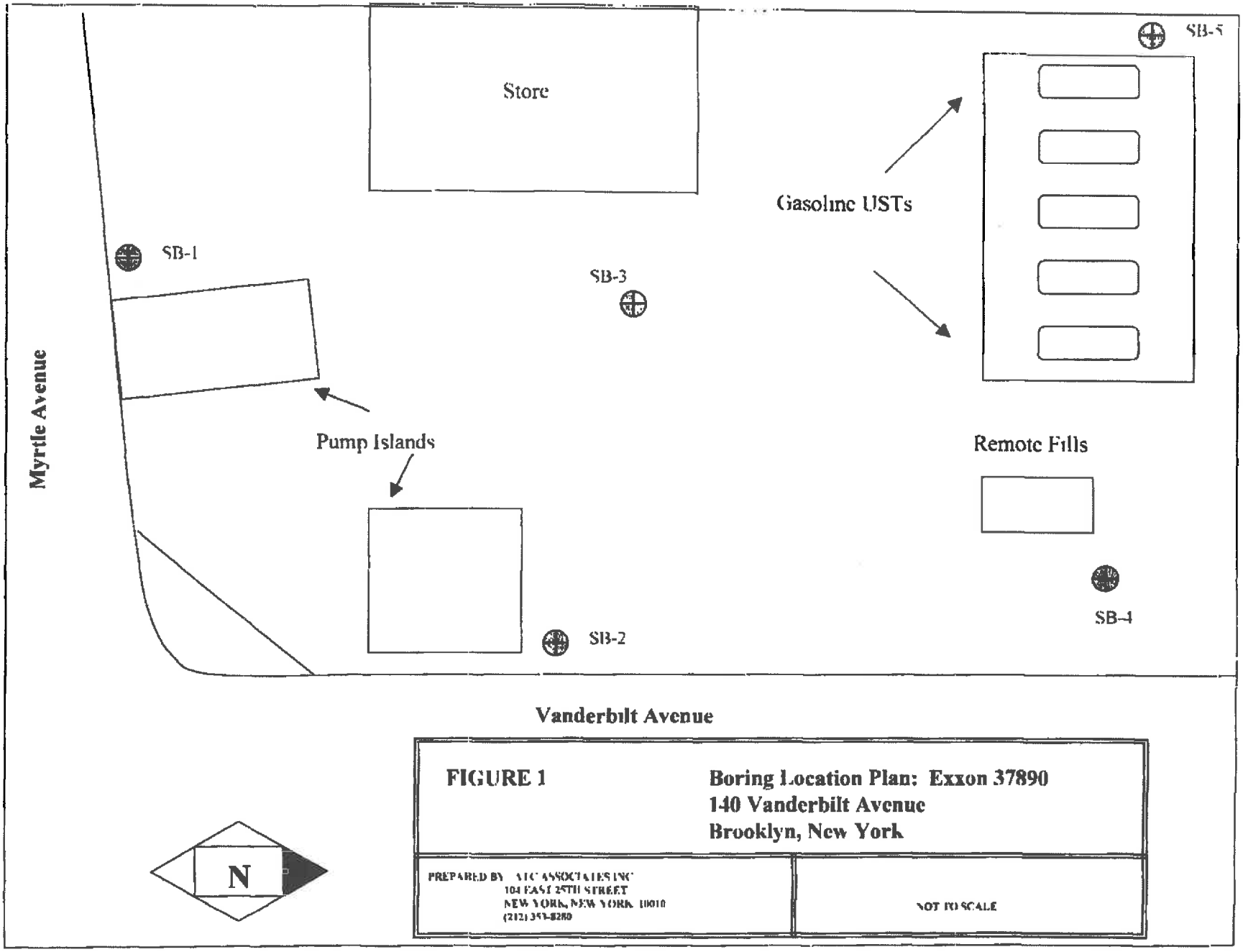


FIGURE 1

Boring Location Plan: Exxon 37890
140 Vanderbilt Avenue
Brooklyn, New York

PREPARED BY ATC ASSOCIATES INC
104 EAST 25TH STREET
NEW YORK, NEW YORK 10010
(212) 353-8280

NOT TO SCALE

ATC Associates Inc. 104 East 25th Street New York, NY 10010 212-353-8280	Client Tosco	Boring No SB-1
	Project Number 15-90715-4502 Task Number 64	Boring location 13' west of Pump Isl 12' South of Pump Isl
Driller ZEBRA Geologist A. Murtaugh	Store No Exxon 37890	
Groundwater Observations _____ ft AFTER ____ hours	Type casing / sampler MC Size I D 2"	Date Start 2/17/00 Date Complete Surface Elev Groundwater Elev NA

Depth ft	Sample Type	Recovery (in)	density or moist	PID	Field Identification of Soil	Remarks
0	HA				Asphalt - Very Difficult Hand Auger Cg Boulders, Move Forward	
					Refusal @ ~2' in This Area	
					Move to New Location will Return	
4					to this Boring Area If Time Allows	
8						
12						
16						
20						

mc macrocore HSA hollow stem auger HA Hand Auger tr =trace = 0-10% l =little = 10-20%
s =some = 20-35% and = 35-50% c = course m = medium f = fine

ATC Associates Inc. 104 East 25th Street New York, NY 10010 212-353-8280	Client Tosco Project Number 15-90715-4502 Task Number 64	Boring No SB-2 Boring location 2' N of Pump Isl 16' E of Pump Isl
Driller Zebra Geologist A. Murtaugh Groundwater Observations ____ ft AFTER ____ hours	Store No Exxon 37890 casing sampler Type MC Size I D 2"	Date Start 2/17/00 Date Complete Surface Elev Groundwater Elev NA

Depth	Sample #	Sample Type	Recovery (in)	density or moist	PID	Field Identification of Soil	Remarks
0		HA				Asphalt + Gvl + Concrete 0-1	
						Brn Sm ~ 1-3, Lg RX or obstruction @ ~3.5'. Move boring several times	
4		mc				Refusal @ 4.5'	
8							
12							
16							
20							

mc macrocore HSA hollow stem auger HA Hand Auger tr =trace = 0-10% l =little = 10-20%
s =some = 20-35% and = 35-50% c = course m = medium f = fine

ATC Associates Inc. 104 East 25th Street New York, NY 10010 212-353-8280	Client Tosco	Boring No SB-3
	Project Number 15-90715-4502	Boring location In Front of Garage Bays 9' East of Garage Curb
	Task Number 64	
Driller Zebra Geologist A. Mustangl	Store No Exxon 37890	
Groundwater Observations ____ ft AFTER ____ hours	casing sampler Type MC Size I D 2"	Date Start 2/17/00 Date Complete Surface Elev Groundwater Elev NA

Depth	Sample #	Sample Type	Recovery (in)	density or moist	PID	Field Identification of Soil	Remarks
0		HA				Asphalt, Brn, Snd + Gvl Fill Dry	
4		mc		Lse		Lse Brn Med Snd w/Gvl	
	#1				0PPM	Concrete @ ~ 8'	
				DNS		Refusal @ 8', will MAKE 2nd Attempt	
8						2nd Attempt - Refusal @ 8' Concrete	
12							
16							
20							

mc macrocore HSA hollow stem auger HA Hand Auger tr =trace = 0-10% l =little = 10-20%
s =some = 20-35% and = 35-50% c = course m = medium f = fine

ATC Associates Inc. 104 East 25th Street New York, NY 10010 212-353-8280	Client Tosco	Boring No SB-4
	Project Number 15-90715-4502	Boring location Vanderbilt Side of Remote Fills 5' E SE Remote Pad 8' N of Remote Pad
	Task Number 64	
Driller Zebra Geologist A. Markwell	Store No Exxon 37890	
Groundwater Observations ____ ft AFTER ____ hours	Type casing / sampler MC	Date Start 2/17/00
	Size I D 2"	Date Complete Surface Elev Groundwater Elev NA

Depth	Sample #	Sample Type	Recovery (in)	density or moist	PID	Field Identification of Soil	Remarks
0		HA	0	Dns		Asphalt, Stone bedding Gul, Brick Fill Dry No Petro ODORS	
		MC					
4	#1			Dns	0PPM	3-6' (3-5) Fill Same As Above	
		MC				5-6' Lse Brn F Snd Hl C Snd Tr Gul	
8	#2						
		MC		Dns	PPM	6-10' Brn M+C Snd + Gul Dry No Petro ODOR	
12	#3						
					0PPM	10-14' Brn Med Snd + cg Gul Dry	
16						Refusal @ 14'	
20						TD 14'	

mc macrocore HSA hollow stem auger HA Hand Auger tr =trace = 0-10% l =little = 10-20%
s =some = 20-35% and = 35-50% c = course m = medium f = fine

ATC Associates Inc. 104 East 25th Street New York, NY 10010 212-353-8280	Client Tosco Project Number 15-90715-4502 Task Number 64	Boring No SB-5 Boring location 12' East of Tank Pad 10' North of Tank Pad
Driller Zebra Geologist A. Murtaugh Groundwater Observations ____ ft AFTER ____ hours	Store No Exxon 37890 casing sampler Type MC Size I D 2"	Date Start 2/17/00 Date Complete Surface Elev Groundwater Elev NA

Depth	Sample #	Type	Recovery (in)	density or moist	PID	Field Identification of Soil	Remarks
0		HA				Asphalt, Sand, Brick Gvl Fill	
4	X1	MC				4/6 Brick Fill Refusal @ 6'	
8							
12							
16							
20							

mc macrocore HSA hollow stem auger HA Hand Auger tr =trace = 0-10% l =little = 10-20%
s =some = 20-35% and = 35-50% c = course m = medium f = fine

ATTACHMENT D
Subsurface Investigation Report

1055/2.2
2634795

SUBSURFACE INVESTIGATION REPORT

Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

NYSDEC NUMBER: 97-12610

April 26, 2001

Prepared by

Geologic Services Corporation
1401 Church Street, Suite 6
Bohemia, New York 11716
(631) 218-6956

Prepared for

Exxon Mobil Corporation
464 Doughty Boulevard
Inwood, New York 11096
(516) 371-1527

GSC Project Number 9802401

Quality Assurance/Quality Control

The following personnel have reviewed this report for accuracy, content, and quality of presentation

for

James A Schaefer, Jr
Operation Manager

4/26/01
Date

Dennis G Shin, P E
Project Manager

4/26/01
Date

for

Erik M Zalewski
Hydrogeologist

4/26/01
Date

TABLE OF CONTENTS

List of Tables and Figures . . . i

List of Appendices . . . ii

1.0 INTRODUCTION . . . 1

1.1 Scope of Work . . . 1

2.0 BACKGROUND INFORMATION . . . 2

2.1 Site Representation . . . 2

2.2 Summary of Activities to Date . . . 2

2.3 Regional Geologic, Hydrologic, and Hydrogeologic Characteristics . . . 3

3.0 INVESTIGATION METHODS AND FINDINGS . . . 3

3.1 Soil Borings and Sampling . . . 3

3.1.1 Site Geology . . . 4

3.1.2 Qualitative Soil Screening . . . 4

3.1.3 Soil Quality Analytical Data . . . 5

4.0 SUMMARY AND OBSERVATIONS . . . 5

5.0 REFERENCES . . . 6

LIST OF TABLES

Table 1	-	Summary of Qualitative Soil Screening Results
Table 2	-	Soil Quality Analytical Data

LIST OF FIGURES

Figure 1	-	Locus Plan
Figure 2	-	Site Plan
Figure 3	-	Hydrocarbon Distribution in Soil

LIST OF APPENDICES

Appendix A - Soil Boring Logs

Appendix B - Soil Laboratory Analytical Data

1.0 INTRODUCTION

Geologic Services Corporation (GSC) was contracted by Exxon Mobil Corporation (ExxonMobil) to conduct a Subsurface Investigation (SI) at the former Exxon RAS No 3-7890 (Site) located at 140 Vanderbilt Avenue in Brooklyn, New York (Figure 1) The investigation was conducted to characterize geologic and hydrogeologic conditions and to identify potential petroleum hydrocarbons in the soil and groundwater beneath the Site The SI was initiated on October 17, 2000

1.1 Scope of Work

The proposed scope of work for this investigation included

- Completion of five on-Site soil borings, with soil sampling and laboratory analysis for volatile organic compounds (VOCs),
- Installation of five groundwater monitoring wells,
- Survey of top of well casing elevations relative to an arbitrary benchmark,
- Conducting a complete round of liquid level gauging, and
- Collection of groundwater samples from each monitoring well with laboratory analysis for volatile petroleum hydrocarbon constituents

However, due to the presence of shallow bedrock and the absence of groundwater, monitoring wells were not installed Therefore, the proposed SI scope of work was reduced to investigating unsaturated soils via soil borings and sampling SI activities were conducted in accordance with accepted industry practices, local, State, and Federal requirements and the requirements of ExxonMobil

GSC personnel conducting investigatory work at Sites where petroleum is present, are trained and instructed in the basic health and safety considerations deemed necessary As part of this work, a Site-specific Health and Safety Plan (HASP) outlining the basic Site hazards, personnel and environmental monitoring requirements, general safety practices and emergency procedures was prepared and is available at GSC's Bohemia, New York office

2.0 BACKGROUND INFORMATION

Background information for the Site pertaining to existing Site features, land use, on-Site activities completed to date, and regional geology/hydrogeology, was compiled by GSC personnel

2.1 Site Representation

The Site is located on the northwest corner of the intersection of Myrtle Avenue and Vanderbilt Avenue in Brooklyn, New York The area consists of commercial and residential use properties Adjacent land use consists of single-family dwellings to the west and multi-family dwellings and commercial properties to the south and east Additional multi-family residences are located to the north of the Site

The Site consists of an approximately one-half acre parcel containing a branded Exxon retail gasoline station (Former RAS No 3-7890), currently owned and operated by Tosco Corporation Pertinent Site features are shown in Figure 2 Gasoline is stored in five 4,000-gallon double-walled underground storage tanks (USTs) and distributed by underground product piping to single-product dispensers located on two dispenser islands A three bay automotive repair shop and small office are located on the west side of the property

The surface of the Site is asphalt, with the exception of the concrete areas around the tankfield, dispenser islands, and car wash. Public utilities servicing the Site include subsurface telephone, electric, water, and natural gas

2.2 Summary of Activities to Date

The following activities have been completed to date

February 1998 GSC conducted an environmental investigation around the 550-gallon used oil UST The material above and around the tank was screened with a photoionization detector (PID) PID readings from material near the used oil tank ranged from 1 part per million (ppm) to 58 ppm Laboratory analysis of soil samples collected from the four sidewalls of the excavation revealed petroleum hydrocarbons above applicable New York State Department of Environmental

	Conservation (NYSDEC) standards The NYSDEC spill number for the incident is 97-12610
October 1998	On October 13, 1998, a spill was reported for the Site following a tank test failure Product was found in the annular space, however, no product was released The NYSDEC spill number for the incident is 98-08715
March 1999	On March 9, 1999, a resident of the adjacent building, located at 132 Vanderbilt Avenue, reported gasoline was actively seeping through her basement foundation wall from the Site The NYSDEC conducted an inspection of the basement and found no evidence of petroleum impact from the Site The NYSDEC spill number for the incident is 98-14639
April 2000	ATC Associates, Inc advanced five soil borings for Tosco Corporation as part of the due diligence efforts initiated by the divestment of Exxon gasoline stations by ExxonMobil Refusal was met at shallow depths in three of the five borings Samples collected from borings SB-3 at 8 feet below grade (fbg) and SB-4 at 14 fbg revealed no evidence of petroleum hydrocarbons in subsurface soils

2.3 Regional Geologic, Hydrologic, and Hydrogeologic Characteristics

The Site is located in the Atlantic Coastal Plain Physiographic Province The subsurface geology consists of unconsolidated sand, silt, clay and gravel layers of highly variable depth overlying crystalline and metamorphic bedrock

Depth to groundwater in the area is estimated to be 50 to 60 feet below grade (fbg) Regional water table maps suggest groundwater flows toward the northwest The only surface water body located within a one-mile radius from the Site is the East River to the northwest

3.0 INVESTIGATION METHODS AND FINDINGS

SI activities were conducted on October 17 and 18, 2000 in order to characterize the quality of soils beneath the Site and to evaluate the nature and extent of potential petroleum hydrocarbons in soil

3.1 Soil Borings and Sampling

Soil borings were advanced to depths ranging from 5 to 16 fbg, utilizing a hollow stem auger mobile drilling Drilling operations were conducted by Land, Air, Water Environmental Services, Inc of Center Moriches, New York under direct supervision of a GSC staff hydrogeologist The locations of

completed soil borings are indicated in Figure 2 Soil boring logs are included in Appendix A Split-spoon soil samples were collected from within each boring The borings were completed to bedrock No groundwater was encountered before the borings met refusal

Soil sampling was performed in order to evaluate the physical and chemical characteristics of the subsurface soils Immediately upon recovery, the samples were segregated into three parts one containerized for potential laboratory analysis, one containerized for field screening using a PID, and one to be visually inspected and cataloged in the field by a GSC hydrogeologist

3.1.1 Site Geology

Material encountered within soil borings indicate that a complex geologic structure exists beneath the Site A complete description of the materials found during soil boring activities is included on the soil boring logs provided in Appendix A Subsurface material is relatively uniform throughout the Site, consisting primarily of fill, sands, gravels, and bedrock Red brick fragments were identified in multiple soil samples at various boring locations and depths down to a depth of 14 feet Bedrock was encountered at various depths ranging from 4 5 feet to 14 feet below land surface The relative depths to refusal in the soil borings suggest bedrock dips to the north

3.1.2 Qualitative Soil Screening

Soil samples collected from each core sampler were screened for volatile organic compounds (VOCs) utilizing a PID with a 10 0 eV lamp calibrated to an isobutylene span gas to yield total VOCs in ppm referenced to benzene Soil screening was conducted in accordance with GSC's standard operating procedures utilizing the jar headspace technique Screening results are located on the Soil Boring/Well Construction Diagrams (Appendix A) The PID screening values are qualitative, and are not necessarily indicative of actual concentrations in soil, as determined by laboratory analyses Table 1 summarizes the soil field screening results

3.1.3 Soil Quality Analytical Data

One soil sample from each soil boring was placed in a cooler, preserved with ice, and shipped via Federal Express and submitted to Accutest Laboratories, (Accutest) of Dayton, New Jersey for analysis Samples submitted for analysis were those exhibiting the highest PID screening value, as encountered during drilling operations or, in the absence of PID detection of VOCs, the deepest samples collected above the water table Sample intervals are indicated on the boring logs presented in Appendix A Soil samples were analyzed for VOCs and methyl tertiary butyl-ether (MTBE) using USEPA Method 8021 The results are summarized in Table 2

Laboratory analytical results indicate that VOCs were either below laboratory method detection limits or within NYSDEC Alternative Guidance Values (NYSDEC, 1992) in all soil samples Complete soil laboratory reports are presented in Appendix B

4.0 SUMMARY AND OBSERVATIONS

GSC conducted SI activities at the former Exxon RAS No 3-7890, located at 140 Vanderbilt Avenue in Brooklyn, New York The work was performed to characterize geologic and hydrogeologic conditions, and to identify potential petroleum hydrocarbons in the soil

The SI included the following scope of work

- Completion of five soil borings and the collection of soil samples,

The information gathered during the course of this investigation is summarized below

- Subsurface material encountered included fill, gravel, and bedrock,
- Soil stratigraphy is relatively uniform throughout the Site,
- Depth to bedrock trends deeper from the southern portion (8 to 12 fbg) to the northern portion (14 to 16 fbg) of the property,
- Petroleum hydrocarbons were not detected above NYSDEC STARS Alternate Guidance Values in soil samples collected from the borings, and
- Groundwater was not encountered in any of the borings

- Findings of the investigation were consistent with the results included in the ATC Report dated April 2000

5.0 REFERENCES

United States Geological Survey, Brooklyn Quadrangle, photorevised 1979

New York State Department of Environmental Conservation, Spill Technology and Remediation Series Memo #1, Petroleum-Contaminated Soil Guidance Policy, August 1992

TABLE 1
SUMMARY OF QUALITIVE SOIL SCREENING RESULTS

Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Boring Location	Sample Date	Sample Depth[a]	Volatile Organic Compounds[b]
SB-1	10/1700	4--6	**16.1**
		6--8	12 7
		8--10	3 4
		10--12	10 4
SB-2	10/18/00	6--8	6 1
		8--10	5 7
		10--12	**10.5**
SB-3	10/18/00	6--8	2 1
		8--10	**4.9**
SB-4	10/18/00	0--5	NS[c]
SB-5	10/18/00	10--12	NS[c]

Notes:

[a] - In feet below land surface (ft bls)

[b] - As detected by a Photoionization Detector (PID) and reported in parts per million (ppm)

[c] - PID readings were not obtained because of unit malfunction in the field

NS - Not Screened

Samples with bolded concentrations were sent to Accutest Laboratories for analysis

TABLE 2
SOIL QUALITY ANALYTICAL DATA
Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Sample Identification	SB-1	SB-2	SB-3	SB-4	SB-5	NYSDEC STARS Alternative Guidance Values[a]
Sample Depth (feet below grade)	4 - 6	10 - 12	8 - 10	0 - 5	10 - 12	
Sample Date	10/17/00	10/18/00	10/18/00	10/18/00	10/18/00	
Compounds (µg/kg)						
Benzene	<0 54	<0 54	<0 49	<0 54	0 7	14
Toluene	<0 54	<0 54	<0 49	2 0	3 6	100
Ethylbenzene	<0 54	<0 54	<0 49	<0 54	1 4	100
p,m-Xylenes	<0.54	<0 54	<0 49	0 62	3 7	100
o-Xylene	<0 54	<0 54	<0 49	1 4	6 9	100
Total BTEX[b]	BDL	BDL	BDL	4 02	16 3	NA
Isopropylbenzene	<0 54	<0 54	<0 49	<0 54	1 2	100
n-Propylbenzene	<0 54	<0 54	<0 49	<0 54	<0 55	100
1,3,5-Trimethylbenzene	1.5	<0 54	<0 49	<0 54	2 9	100
tert-Butylbenzene	<0 54	<0 54	<0 49	<0 54	<0 55	100
1,2,4-Trimethylbenzene	0 81	<0 54	<0 49	0 71	6 2	100
sec-Butylbenzene	<0 54	<0 54	<0 49	<0 54	<0.55	100
p-Isopropyltoluene	<0 54	<0 54	<0 49	<0 54	24 8	100
n-Butylbenzene	<0 54	<0 54	<0 49	<0 54	<0 55	100
Naphthalene	2 2	<0 54	<0 49	1 7	1 8	200
MTBE[c]	<0 54	0 62	<0 49	<0 54	<0 55	1,000

Notes

All constituent concentrations are presented in micrograms per kilogram (µg/kg)

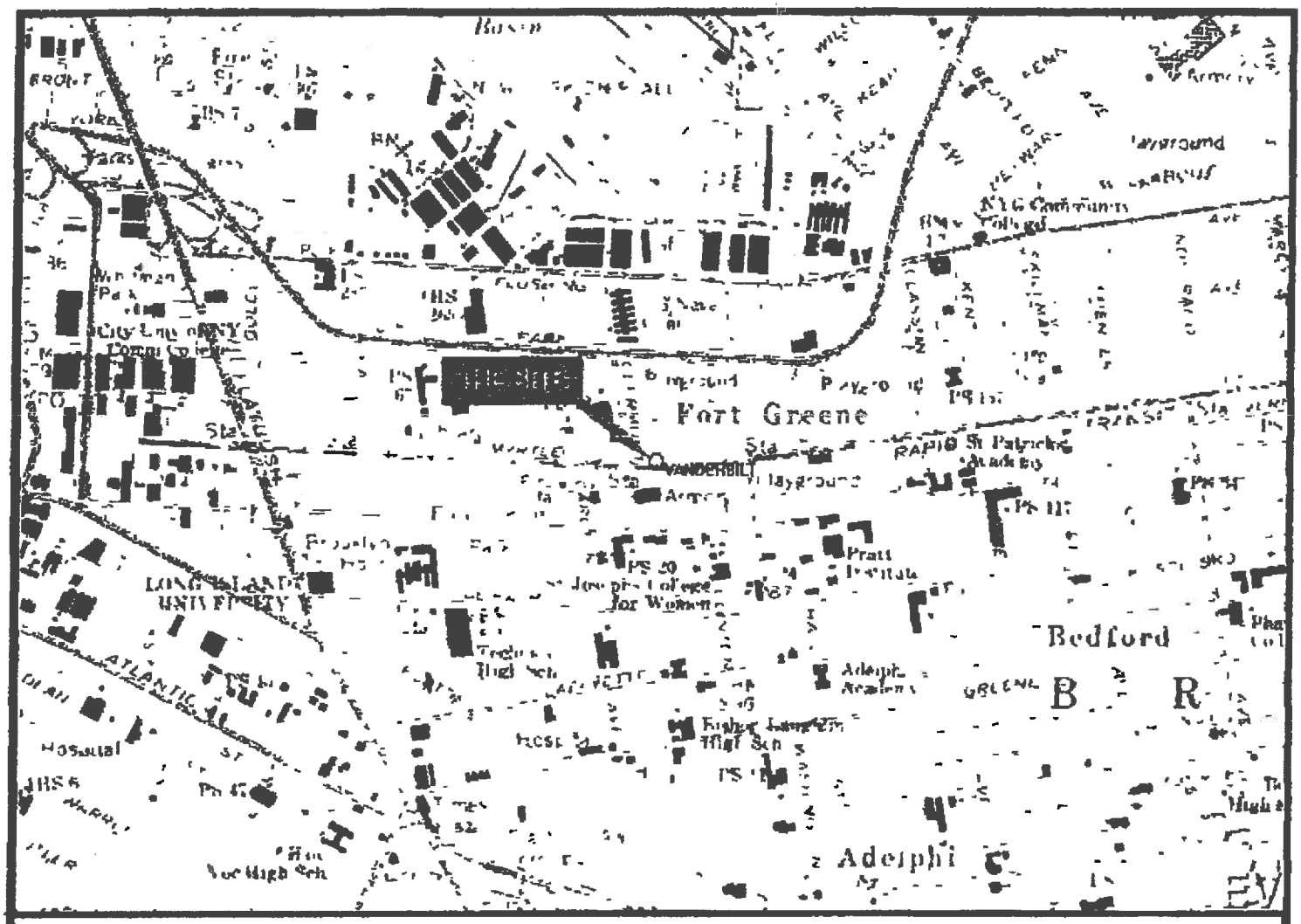
[a] - As published in *Spills Technology and Remediation Series (STARS) Memo #1 Petroleum Contaminated Soil Guidance Policy, August 1992*

[b] - Sum of Benzene, Toluene, Ethylbenzene, and Total Xylenes

[c] - Methyl Tertiary Butyl Ether

ND - Not detected

BDL - Below method detection limits



0 4000

Scale in feet

LATITUDE 40° 41' 35" N
LONGITUDE 73° 58' 14" W

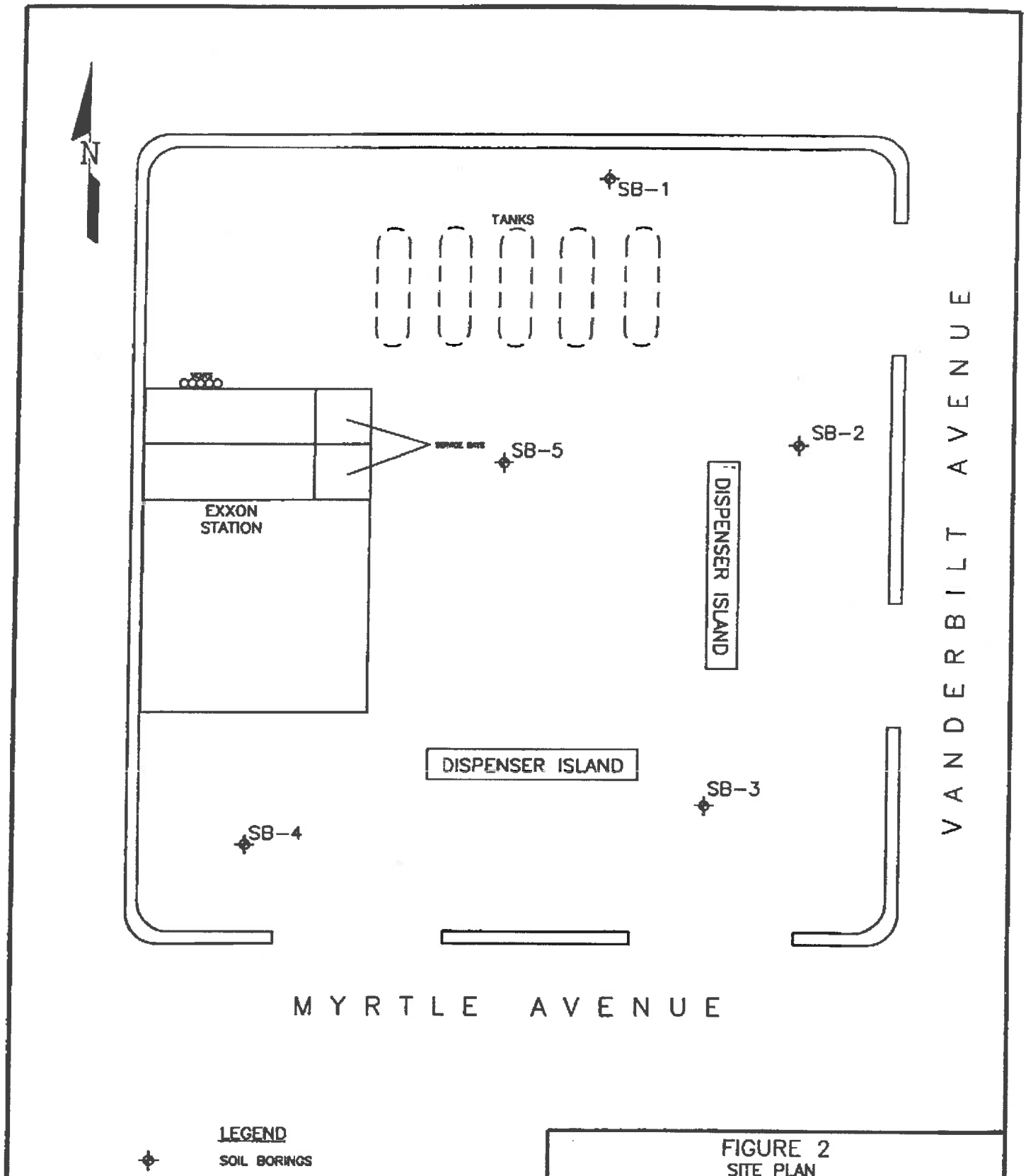
QUADRANGLE LOCATION

FIGURE 1
LOCUS PLAN

BRANDED EXXON RAS No 3-7890
140 VANDERBILT AVENUE
BROOKLYN, NEW YORK

GSC REF 9802401	
DRAFTED BY DP	DATE 1/24/01
REV BY	CHECKED BY
SOURCE USGS 7 5' Brooklyn, Ny Quad	

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists
1401 Church Street • Bohemia NY • (631) 218-6956



LEGEND

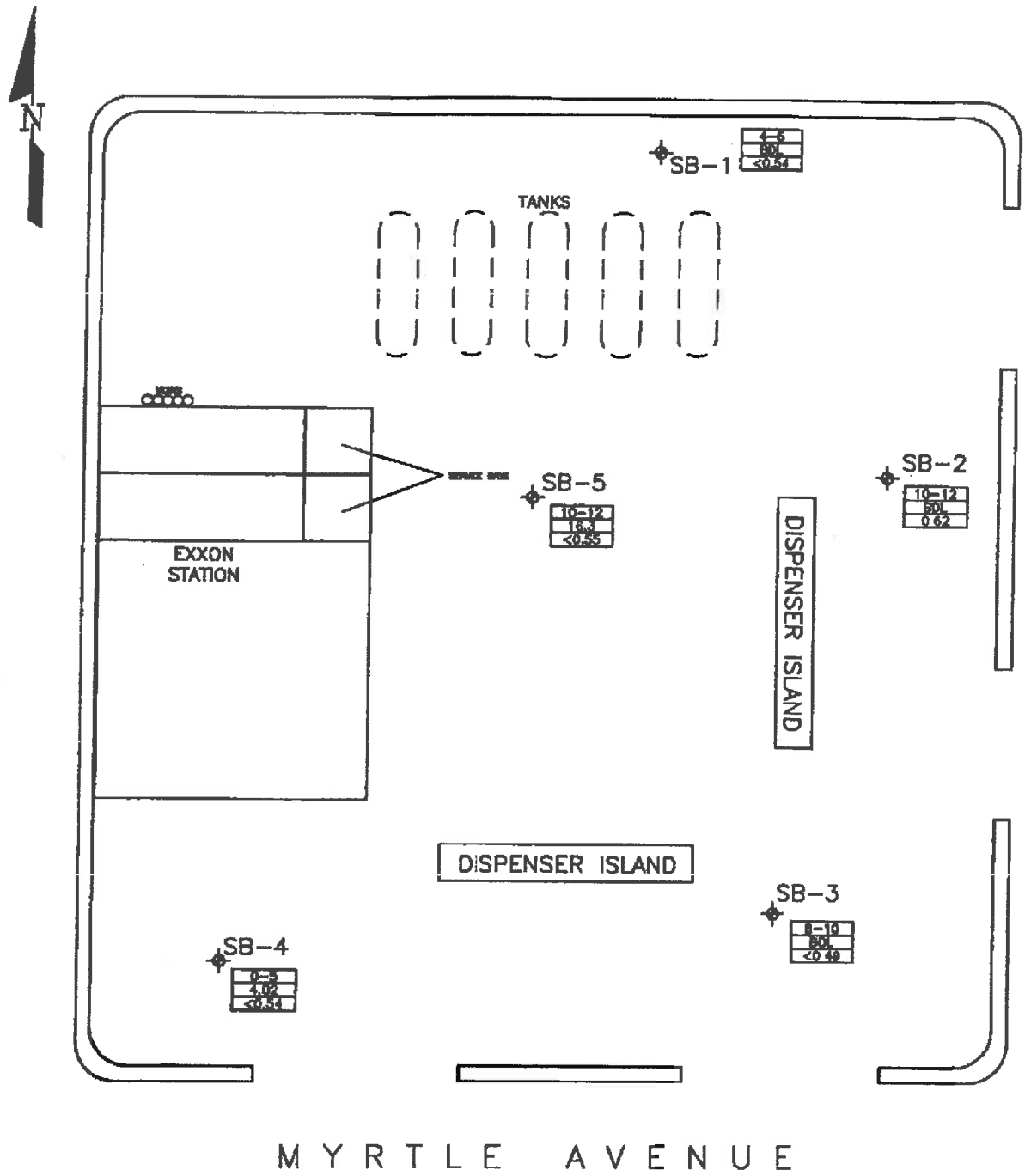
SOIL BORINGS

FIGURE 2
SITE PLAN

BRANDED EXXON RAS No 3-7890
140 VANDERBILT AVE
BROOKLYN, NEW YORK

GSC REF 9802401	DATE 11-00
DRAFTED BY DP	CHECKED BY
SOURCE GSC FIELD RECONNAISSANCE	

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists
1401 Church Street, Suite 6 Bohemia, NY 11716 (631) 218-6956



LEGEND

SOIL BORINGS

4-6 / BDL / <0.54 — SAMPLE INTERVAL (feet below grade) / TOTAL BTEX CONCENTRATION (ug/kg) / MTBE CONCENTRATION (ug/kg)

BDL — BELOW DETECTION LIMITS

FIGURE 3

HYDROCARBON DISTRIBUTION IN SOIL
BRANDED EXXON RAS No 3-7890
140 VANDERBILT AVE
BROOKLYN, NEW YORK

GSC REF 9802401	DATE 11-00
DRAFTED BY DP	CHECKED BY
SOURCE GSC FIELD RECONNAISSANCE	

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists
1401 Church Street, Suite 6 Bohemia, NY 11716 (631) 218-6956

GEOLOGIC SERVICES CORPORATION
1401 Church Street, Suite 6, Bohemia NY 11716
Phone (516) 218-8958 Fax (516) 218-6942

Boring Log for SB-1

Site Name Former Exxon RAS No 3-7890
Boring Drill Date 10/17/00
Drilling Company Land Air Water Environmental
Drill Rig Type Hollow Stem Auger
Sampling Method Split Spoon

Location 140 Vanderbilt Avenue Brooklyn NY
GSC Project No 9802401
Geologist. David L Mullen
Bedrock Encountered 14'

Depth (ft.)	Sample ID	PID (ppm)	Munsell Color Chart Code	Blow Counts	Recovery (in Inches)	Soil/Geologic Description (modified Burmister)	Depth (ft.)
Surface							0
						Asphalt	
1	0-2'	—	—	—	—	(Hand Cleared to 5 feet)	1
2						Medium to coarse sand and silt, with fine angular gravel and concrete wood chips brick fragments, dry no odor	2
3							3
4	2 5-4	—	10YR 2/2	—	—	Silt and fine to medium sand with angular fine to medium gravel fill material, very dark brown, dry, no odor	4
5	*4-6'	16 1	—	7 7-13-12	14	Silt and fine sand with rock fragments red brick fragments dark brown moist, no odor	5
6							6
7	6'-8	12 7	—	39 20 7 3	12	Fine to medium sand and silt with fine to medium angular material, red brick fragments dark brown moist, no odor	7
8							8
9	8' 10	3 4	—	26-19-8-6	13	Fine to medium sand and silt, with fine to medium gravel fill material Red brick fragments thin crushed concrete dark brown no odor	9
10							10
11	10 12	10 4	—	6-7-4-4	5	Medium to coarse sand, trace silt, some fine gravel red brick material at top 1" brown encountered refusal at 12' moist, no odor	11
12							12
13	12'-14	—	—	10-7-13-2	10	Red brick material and fill, pulverized bedrock at bottom tip, moist no odor	13
14							14
15	14-16'	—	—	—	—	Refusal no split spoon recovery	15
16						END OF BORING	16
17							17
18							18
19							19
20							20

Indicates Laboratory Analytical Sample

GEOLOGIC SERVICES CORPORATION
1401 Church Street, Suite 6, Bohemia, NY 11716
Phone (516) 218-6956 Fax (516) 218-6942

Boring Log for SB-2

Site Name Former Exxon RAS No 3-7890
Boring Drill Date 10/18/00
Drilling Company Land Air Water Environmental
Drill Rig Type Hollow Stem Auger
Sampling Method Split Spoon

Location 140 Vanderbilt Avenue Brooklyn NY
GSC Project No 9802401
Geologist David L. Mullen
Bedrock Encountered 12'

Depth (ft.)	Sample ID	PID (ppm)	Munsell Color Chart Code	Blow Counts	Recovery (in inches)	Soil/Geologic Description (modified Burmister)	Depth (ft.)
Surface							0
						Asphalt	
1	0'-8'	4 8	—	—	—	(Hand Cleared to 5 feet)	1
						Concrete chunks, broke through concrete with larger auger bit	
2							2
3							3
4							4
5							5
6	6'-8'	6 1	—	12-3-3-2	6	Medium to coarse sand trace silt, some fine gravel, red	6
						brick material brown, moist, no odor	
7							7
8							8
9	8'-10'	5 7	—	3-4-4-3	—	Medium sand trace silt, fine to medium gravel red brick material	9
						light brown moist, no odor	
10							10
11	*10'-12'	10 5	—	4-50+	1	Medium sand fine to medium gravel brick fragments moist, no odor	11
12							12
13	12'-14'	—	—	10-7-13-2	10	Refusal no split spoon recovery	13
14						END OF BORING	14
15							15
16							16
17							17
18							18
19							19
20							20

*Indicates Laboratory Analytical Sample

GEOLOGIC SERVICES CORPORATION
1401 Church Street, Suite 6, Bohemia NY 11716
Phone (516) 218-6956 Fax (516) 218-6942

Boring Log for SB-3

Site Name Former Exxon RAS No 3-7690
Boring Drill Date 10/18/00
Drilling Company Land Air Water Environmental
Drill Rig Type Hollow Stem Auger
Sampling Method Split Spoon

Location 140 Vanderbilt Avenue, Brooklyn NY
GSC Project No 9802401
Geologist David L Mullen
Bedrock Encountered 10

Depth (ft.)	Sample ID	PID (ppm)	Munsell Color Chart Code	Blow Counts	Recovery (in inches)	Soil/Geologic Description (modified Burmester)	Depth (ft.)
Surface							0
						Asphalt	
1	0'-5'	1 2	7 5YR 5/3	—	—	(Hand Cleared to 5 feet)	1
						Medium sand, backfill light brown moist, no odor	
2							2
3							3
4							4
5							5
6	6-8	2 1	7 5YR 4/3	6-6-7-8	5	Medium to fine sand trace cobbles medium gravel moist, no odor	6
7							7
8							8
9	8-10'	4 9	—	3-50+	0 (auger cuts)	Medium sand fine to medium gravel light brown moist no odor	9
10						Hit bedrock at 10'	10
11	10'-12'	11	—	4 50+	1	Refusal no split spoon recovery	11
12						END OF BORING	12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20

*Indicates Laboratory Analytical Sample

GEOLOGIC SERVICES CORPORATION
1401 Church Street, Suite 6, Bohemia, NY 11716
Phone (516) 218-6956 Fax (516) 218-6942

Boring Log for SB-4

Site Name Former Exxon RAS No 3-7890
Boring Drill Date 10/18/00
Drilling Company Land Air Water Environmental
Drill Rig Type Hollow Stem Auger
Sampling Method Split Spoon

Location 140 Vanderbilt Avenue Brooklyn NY
GSC Project No 9802401
Geologist David L Mullen
Bedrock Encountered 4 5

Depth (ft.)	Sample ID	PID (ppm)	Munsell Color Chart Code	Blow Counts	Recovery (in inches)	Soil/Geologic Description (modified Burmister)	Depth (ft.)
Surface							0
						Asphalt	
1	*0'-5'	1 2	—	—	—	(Hand Cleared to 5 feet) Medium sand, damp, trace fine gravel some brick chunks visible no odor	1
2							2
3							3
4							4
5							5
6	6 -8'	—	—	—	—	Refusal no split spoon recovery	6
7							7
8						END OF BORING	8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20

*Indicates Laboratory Analytical Sample

GEOLOGIC SERVICES CORPORATION
1401 Church Street, Suite 6, Bohemia NY 11716
Phone (516) 218-6056 Fax (516) 218-6042

Boring Log for SB-5

Site Name Former Exxon RAS No 3-7890
Boring Drill Date 10/18/00
Drilling Company Land Air Water Environmental
Drill Rig Type Hollow Stem Auger
Sampling Method Split Spoon

Location 140 Vanderbilt Avenue Brooklyn NY
GSC Project No 9802401
Geologist David L Mullen
Bedrock Encountered 12 5

Depth (ft.)	Sample ID	PID (ppm)	Munsell Color Chart Code	Blow Counts	Recovery (in inches)	Soil/Geologic Description (modified Burmister)	Depth (ft.)
Surface							0
						Asphalt	
1	0'-5	—	5YR 2 5/1	5-5-4-5	5	(Hand Cleared to 5 feet) Medium sand, brick fragments brown dry, no odor	1
2							2
3							3
4							4
5							5
6	6 -8'	—	5YR 2 5/1	7-14-13-9	17	Medium sand, trace fine gravel brown moist no odor	6
7							7
8							8
9							9
10	*10'-12'	—	10YR 2.5/1	20+	Auger Cuts	Medium sand trace fine gravel, hit bedrock at 12 5' moist no odor	10
11							11
12							12
13	12'-14'	—	—	—	—	Refusal, no split spoon recovery	13
14						END OF BORING	14
15							15
16							16
17							17
18							18
19							19
20							20

*Indicates Laboratory Analytical Sample

ATTACHMENT E
Case Closure Report

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists

June 11, 2002

Mr. Anthony Sigona, P.E.
New York State Department of Environmental Conservation, Region II
Hunter's Point Plaza
47-40 21st Street
Long Island City, New York 11101

RE: Case Closure Request
NYSDEC Case Nos. 97-12610,
98-08715, 98-14639
Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Dear Mr. Sigona,

On behalf of Exxon Mobil Corporation (ExxonMobil), Geologic Services Corporation (GSC) is requesting closure of New York State Department of Environmental Conservation (NYSDEC) Case Nos. 97-12610, 98-08715, 98-14639 pertaining to the branded Exxon RAS No. 3-7890 (Site) located at 140 Vanderbilt Avenue in Brooklyn, New York. NYSDEC Case No. 97-12610 was assigned to the Site on February 11, 1998 in response to a reported test failure on the used oil underground storage tank (UST). NYSDEC Case No. 98-08715 was opened when product was discovered within the annular space of an on-Site 4,000-gallon capacity, double walled gasoline UST on October 13, 1998. NYSDEC Case No. 98-14639 was opened on March 9, 1999 due to a report that gasoline vapors were seeping into the basement of an adjacent building. GSC has prepared the following Site description and summary of investigative activities to substantiate case closure.

SITE LOCATION AND SURROUNDING LAND USE

The Site is a branded Exxon, Tosco Corporation owned and operated retail gasoline station, located on the northwest corner of the intersection of Vanderbilt Avenue and Myrtle Avenue in Brooklyn, New York (Figure 1, Attachment B). The Site is situated on an approximate one-half acre parcel of land and consists of a station building containing an office and a three service bay garage, two multi-product dispenser islands, and a gasoline UST area. Gasoline is stored in five 4,000-gallon capacity double-walled Buffide® USTs and used oil

20 Peachtree Court, Suite 201 • Holbrook, NY 11741 • (631) 285-6684 • FAX (631) 285-6692

is stored in one 550-gallon double walled Buffide® UST. A Site Plan illustrating the locations of pertinent Site features is provided in Figure 2, Attachment B.

The area surrounding the Site consists of commercial and residential use properties. Adjacent properties include residential apartments to the north and combined residential/commercial properties to the west. Located east and south of the Site are commercial and mixed residential/commercial use properties.

LOCAL GEOLOGY

Subsurface material encountered during Site investigations include gravel, fine to coarse grained sands, silt, clay, and construction debris. Artificial fill extends to approximately 10 to 18 feet below grade (fbg) and consists of fine to coarse sand, fine to medium gravel, brick fragments, and concrete. Native deposits underlying the fill consist predominately of medium to fine grained sands.

POTENTIAL SENSITIVE RECEPTORS

In January 2002, GSC conducted a Sensitive Receptor Survey (SRS) for the Site. The following potential receptors were identified in the survey:

- A day care center containing a basement located 80 feet to the west;
- Schools located 400 feet south and 550 feet to the northwest;
- Underground utilities adjacent to the Site;
- Residential and commercial buildings with basements surrounding the Site; and
- A private water supply well of unknown depth is located approximately 1,700 feet northeast of the Site at the Hall Street Cold Storage Warehouses, located at 12 Hall Street in Brooklyn, New York. The well is not used as a source of potable water.

SUMMARY OF SITE ACTIVITIES

February 1998

NYSDEC Case No. 97-12610 was assigned to the Site on February 11, 1998 following a tank test conducted on the 550-gallon waste oil UST that failed. On February 13, 1998, helium tracing revealed a damaged coupling on the direct fill riser. The coupling was repaired and the tank subsequently tested tight.

During repairs conducted on February 13, 1998, GSC provided oversight of a soil excavation around the top of the 550-gallon used oil UST. Soil was screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). Soil VOC screening results ranged from one to 58 parts per million (ppm). During excavation activities, 7.68 tons of soil

was removed from around the top and sides of the UST, replaced with clean fill and disposed of properly. Four sidewall post-excavation samples were collected at 2.5 fbg and submitted for laboratory analysis of semi-volatile organic compounds (SVOC), Toxicity Characteristic Leaching Procedure (TCLP) metals, gasoline range organics (GRO) and diesel range organics (DRO). Soil sample locations are shown in Figure 3, Attachment B. Laboratory analytical results are summarized in Table 1, Attachment A. Laboratory analyses indicated the presence of adsorbed SVOCs above NYSDEC Recommended Soil Cleanup Objectives (NYSDEC Technical and Administrative Guidance Memorandum No. 4046 / STARS Memo No. 1 Soil Cleanup Level Consolidation, August 2001).

October 1998

NYSDEC Case No. 98-08715 was assigned to the Site when product was detected in the annular space of the regular grade unleaded 4,000-gallon gasoline UST. The tank was immediately evacuated of all product and an investigation revealed that pinholes located at the bottom of the primary tank resulted in the release to the secondary tank. However, there was no release to the environment as the secondary tank was not compromised. The primary tank was repaired and both the primary and secondary tanks passed tightness tests on November 25, 1998.

March 1999

NYSDEC Case No. 98-14639 was assigned to the Site on March 9, 1999 when a resident located at 132 Vanderbilt Avenue (immediately north of the Site) reported that gasoline vapors were seeping into the basement level of the building. The NYSDEC conducted an investigation at the building and discovered that the initial report was inaccurate. The NYSDEC investigation revealed that residents reported that vapors could be detected in the air during UST fill events. Additionally, residents reported that the catch basin located on the northern portion of the Site often overfilled during precipitation events and that surface runoff from the station often overflowed onto adjacent properties.

February 2000

As part of due diligence efforts initiated by the divestment of the station to Tosco Corporation, ATC Associates, Incorporated (ATC) advanced five on-Site soil borings. Three of the five borings were met with refusal at depths ranging from 2.5 to 6 fbg. Two soil borings were advanced to 8 fbg (SB-3A) and 14 fbg (SB-4A). A soil sample was collected from both borings and submitted for laboratory analysis of VOCs. The results of analysis revealed that VOC concentrations in both samples were below NYSDEC Recommended Soil Cleanup Objectives. Laboratory analytical results are included in Table 2, Attachment A.

October 2000

GSC conducted a subsurface investigation to evaluate the possible extent and nature of adsorbed and dissolved phase hydrocarbons at the Site. Five on-Site soil borings were advanced to depths ranging from five to 16 fbg. Boring locations are indicated in Figure 3. All borings were met with refusal prior to encountering groundwater. A soil sample was collected from each boring and submitted for laboratory analysis. Laboratory analytical results are included in Table 3, Attachment A. Results of analysis indicated

that VOC concentrations in all samples were below NYSDEC Recommended Soil Cleanup Objectives.

SUMMARY

On behalf of ExxonMobil, GSC is requesting closure of NYSDEC Case Nos. 97-12610, 98-08715, and 98-14639 based upon the following activities completed at the Site:

- The damaged coupling on the 550-gallon used oil tank, discovered in February 1998 following a tank test, was repaired and the soil surrounding the top of the UST was excavated and replaced with clean fill.
- Following the discovery of product within the annular space of a gasoline UST in October 1998, the interior wall of the double-walled unleaded gasoline tank was repaired. Furthermore, no product was released to the subsurface as the outer tank wall tested tight.
- The NYSDEC investigated the report that gasoline was seeping into the basement of 132 Vanderbilt Avenue and found that the report was unsubstantiated.
- Subsurface investigations conducted by ATC in February 2000 and by GSC in October 2000 revealed that adsorbed VOC concentrations were below NYSDEC Recommended Soil Cleanup Objectives.

At your earliest convenience, please convey the Department's decision as to the status of the case. If you have any questions or require additional information, please feel free to contact the undersigned at (631) 285-6684 or Joanne Wallach of ExxonMobil at (908) 474-2745.

Sincerely,
Geologic Services Corporation

Dennis G. Shin, P.E.
Project Manager

Brendan J. Mooney
Project Hydrogeologist

Attachments

Copy: Joanne M. Wallach, Exxon Mobil Corporation
File

ATTACHMENT A

TABLES

TABLE 1
SOIL QUALITY ANALYTICAL DATA - FEBRUARY 1998

Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Sample ID Sampling Date Sample Depth (fbg)	SS-8 02/13/98 2.5'	SS-9 02/13/98 2.5'	SS-10 02/13/98 2.5'	SS-11 02/13/98 2.5'	NYSDEC Recommended Soil Cleanup Objectives
TCLP Metals (mg/l)					
Arsenic	<0.008	<0.008	0.010	<0.008	7.5
Barium	2.06	1.05	1.80	2.14	300
Cadmium	<0.025	0.043	0.033	0.046	1
Lead	0.84	1.41	3.54	52.8	NA
Semi-Volatile Organic Compounds (EPA Method 8270) (ı g/kg)					
Naphthalene	<380	<380	<390	700	13,000
Acenapthene	<380	480	400	1,300	50,000
Fluorene	<380	410	400	1,200	50,000
Phenanthrene	<380	4,400	4,200	15,500	50,000
Anthracene	<380	1,100	1,200	3,500	50,000
Fluoranthene	770	5,200	5,400	18,300	50,000
Pyrene	650	5,500	5,400	15,700	50,000
Benzo (a) anthracene	<380	2,200	2,200	5,000	224
Chrysene	<380	2,400	2,500	5,200	400
Benzo (b) fluoranthene	<380	2,100	2,100	4,300	220
Benzo (k) fluoranthene	<380	1,800	1,800	4,100	220
Benzo (a) pyrene	<380	1,800	1,800	4,000	61
Indeno (1,2,3 - CD) pyrene	<380	540	580	1,000	3,200
Benzo (g,h,i) perylene	<380	440	470	900	50,000
Volatile Organic Compounds (EPA Method 8021) (ı g/kg)					
Methylene Chloride	2.5	<1.1	<1.2	<1.2	100
1,2,4 Trimethylbenzene	2.5	<1.1	<1.2	<1.2	13,000
Naphthalene	8.6	<1.1	<1.2	<1.2	13,000
Gasoline/Diesel Range Organics (EPA Method 8015)					
GRO (µg/kg)	34	<29	<29	<29	NA
DRO (mg/kg)	<19	<19	36	24	NA
Total Petroleum Hydrocarbons (EPA Method 8015)(n ;/kg)	<36	<36	57	38	NA

Notes:

µg/kg - Micrograms per kilogram
mg/l - Milligrams per liter
mg/kg - Milligrams per kilogram
fbg - Feet below grade
TCLP - Toxicity Characteristic Leaching Procedure
EPA - U S Environmental Protection Agency
NYSDEC Recommended Soil Cleanup Objectives - NYSDEC Technical and Administrative Guidance Memorandum No. 4046 / STARS Memo No. 1 Soil Cleanup Level Consolidation, August 2001.

TABLE 2
SOIL QUALITY ANALYTICAL DATA - FEBRUARY 1998

Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Sample ID	SB-3A	SB-4A	NYSDEC Recommended Soil Cleanup Objectives
Sampling Date	02/17/00	02/17/00	
Sample Depth (fbg)	6-8	10-14	
Volatile Organic Compounds (µg/kg)			
Benzene	<1.0	<1.0	60
n-Butylbenzene	<1.0	<1.0	10,000
sec-Butylbenzene	<1.0	<1.0	10,000
Ethylbenzene	<1.0	<1.0	5,500
Isopropylbenzene	<1.0	<1.0	2,300
p-Isopropyltoluene	6.6	<1.0	10,000
MTBE	1	<1.0	120
Naphthalene	<1.0	<1.0	13,000
n-Propylbenzene	1.4	<1.0	3,700
Toluene	<1.0	<1.0	1,500
1,2,4-Trimethylbenzene	<1.0	<1.0	10,000
1,3,5-Trimethylbenzene	3.3	<1.0	3,300
Xylenes (Total)	<1.0	<1.0	1,200
o-Xylene	<1.0	<1.0	NA
m, p-Xylenes	<1.0	<1.0	NA
Total BTEX *	BDL	BDL	NA

Notes:

µg/kg - Micrograms per kilogram
MTBE - Methyl tertiary-butyl ether
fbg - Feet below grade
BDL - Below detection limits
* - Includes only those compounds that were detected
NA - Not applicable
NYSDEC Recommended Soil Cleanup Objectives - NYSDEC Technical and Administrative Guidance Memorandum No. 4046 / STARS Memo No. 1 Soil Cleanup Level Consolidation, August 2001.

TABLE 3
SOIL QUALITY ANALYTICAL DATA - OCTOBER 2000
Branded Exxon RAS No. 3-7890
140 Vanderbilt Avenue
Brooklyn, New York

Sample Identification	SB-1	SB-2	SB-3	SB-4	SB-5	NYSDEC Recommended Soil Cleanup Objectives
Sample Date	10/17/00	10/18/00	10/18/00	10/18/00	10/18/00	
Sample Depth (fbg)	4 - 6	10 - 12	8 - 10	0 - 5	10 - 12	
Volatile Organic Compounds (µg/kg)						
Benzene	<0.54	<0.54	<0.49	<0.54	0.7	**60**
Toluene	<0.54	<0.54	<0.49	2.0	3.6	**1,500**
Ethylbenzene	<0.54	<0.54	<0.49	<0.54	1.4	**5,500**
m, p-Xylenes	<0.54	<0.54	<0.49	0.62	3.7	**NA**
o-Xylene	<0.54	<0.54	<0.49	1.4	6.9	**NA**
Xylenes (Total)	<0.54	<0.54	<0.49	2.02	10.6	**1,200**
Total BTEX*	BDL	BDL	BDL	4.02	16 .3	**NA**
Isopropylbenzene	<0.54	<0.54	<0.49	<0.54	1.2	**2,300**
n-Propylbenzene	<0.54	<0.54	<0.49	<0.54	<0.55	**3,700**
1,3,5-Trimethylbenzene	1.5	<0.54	<0.49	<0.54	2.9	**3,300**
tert-Butylbenzene	<0.54	<0.54	<0.49	<0.54	<0.55	**10,000**
1,2,4-Trimethylbenzene	0.81	<0.54	<0.49	0.71	6.2	**10,000**
sec-Butylbenzene	<0.54	<0.54	<0.49	<0.54	<0.55	**10,000**
p-Isopropyltoluene	<0.54	<0.54	<0.49	<0.54	24.8	**10,000**
n-Butylbenzene	<0.54	<0.54	<0.49	<0.54	<0.55	**10,000**
Naphthalene	2.2	<0.54	<0.49	1.7	1.8	**13,000**
MTBE	<0.54	0.62	<0.49	<0.54	<0.55	**120**

Notes:

µg/kg - Micrograms per kilogram

* - Includes only those compounds detected.

MTBE - Methyl tertiary-butyl ether

fbg - feet below grade

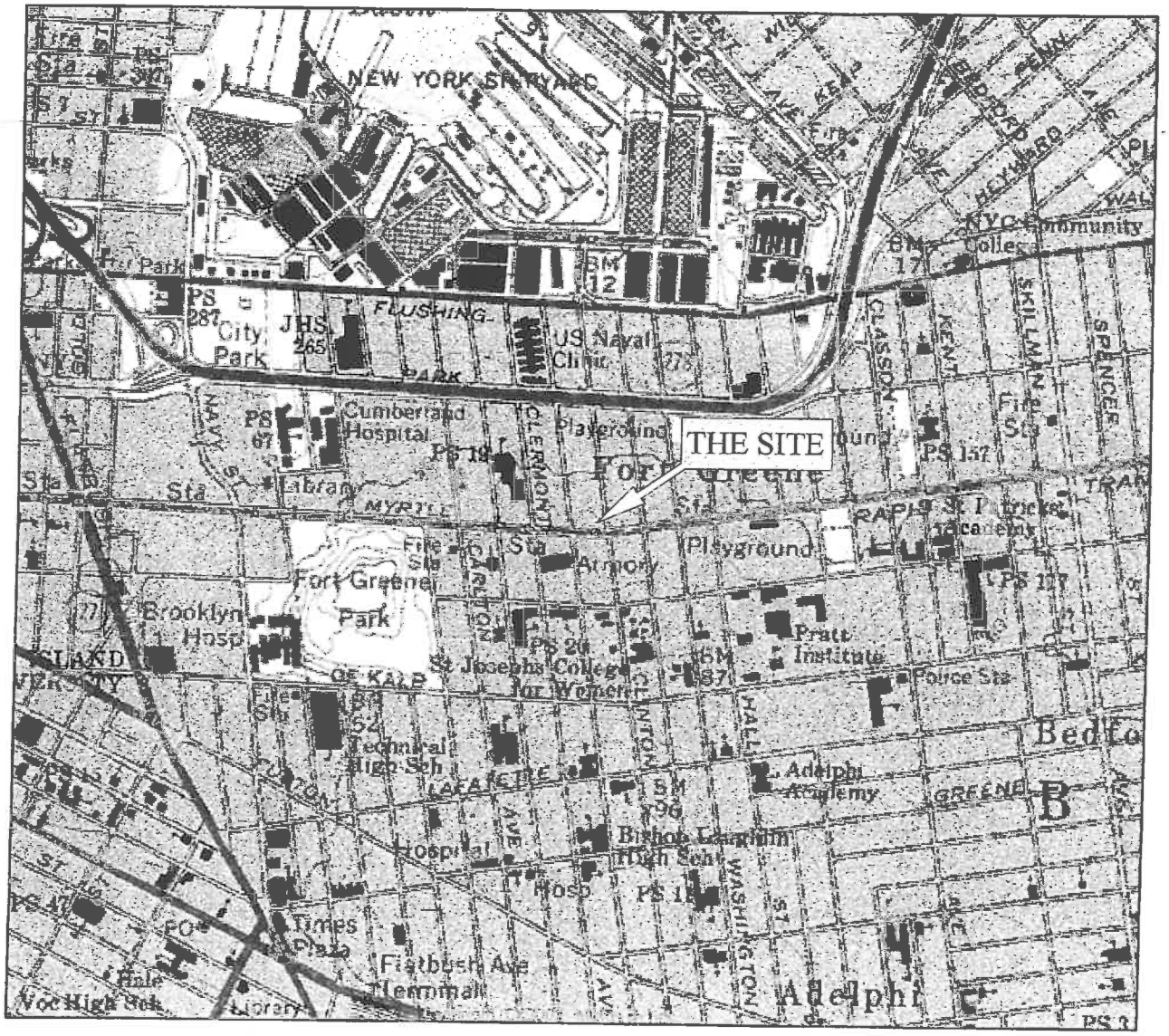
NA - Not applicable

BDL - Below detection limits

NYSDEC Recommended Soil Cleanup Objectives - NYSDEC Technical and Administrative Guidance Memorandum No. 4046 / STARS Memo No. 1 Soil Cleanup Level Consolidation, August 2001.

ATTACHMENT B

FIGURES



0 900 1800

Scale in feet

LATITUDE: 40° 41' 35.51" N

LONGITUDE: 73° 58' 13.59" W

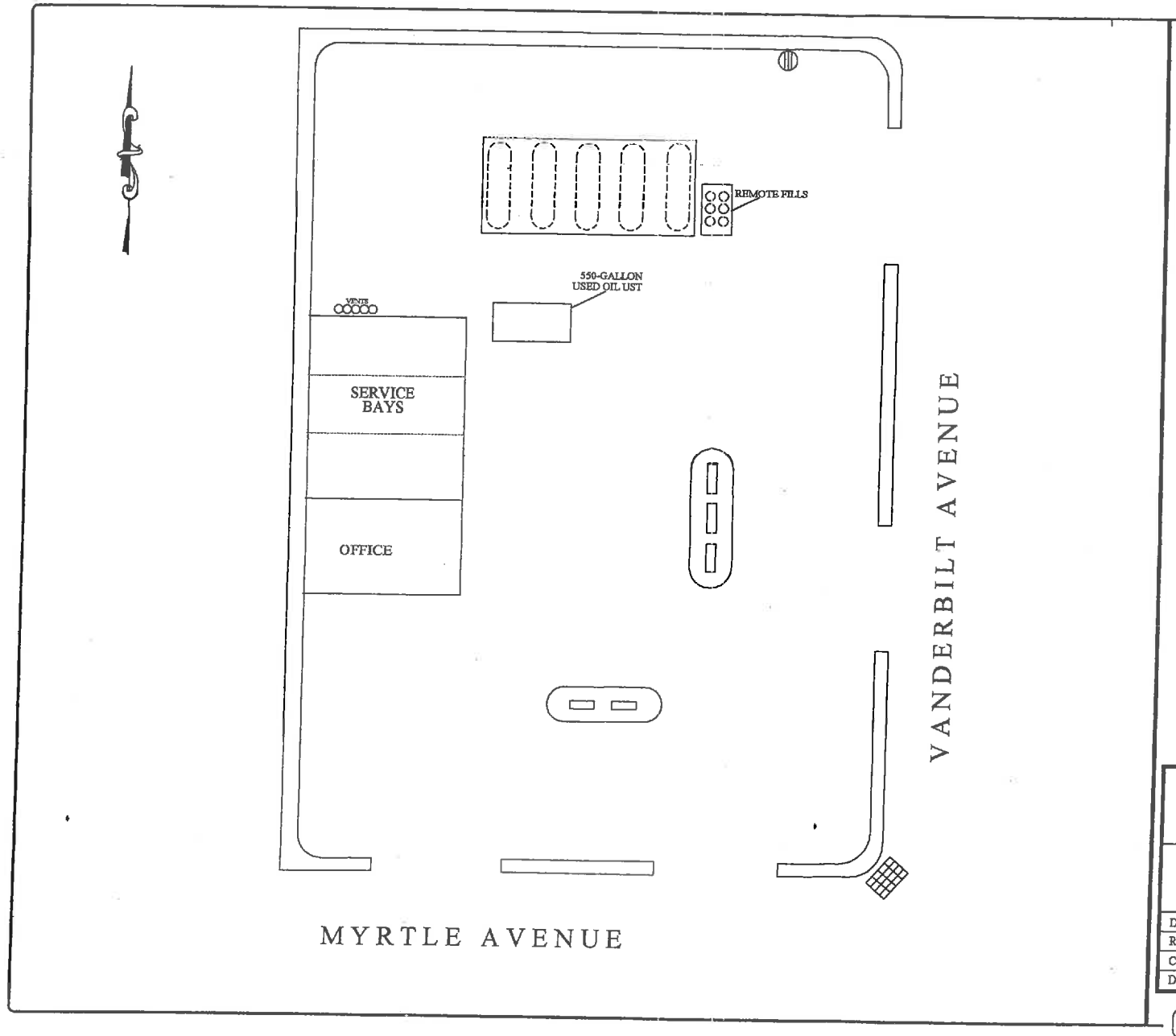
QUADRANGLE LOCATION

FIGURE 1
LOCUS PLAN

BRANDED EXXON RAS No. 3-7890
140 VANDERBILT AVENUE
BROOKLYN, NEW YORK

DRAWN BY:	R. GOYANES	SCALE:	1" = 900'
REVISED BY:	-	PROJECT NUMBER:	9802401
CHECKED BY:	BM -	SOURCE: USGS 7.5' Topographic Map,	
DATE:	FEBRUARY 13, 2002	Brooklyn, NY Quad.	

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists
20 Peachtree Court, Suite 201, Holbrook, NY 11741 (631) 285-6584



LEGEND

- DISPENSER ISLAND
- GASOLINE UST
- CATCH BASIN
- STORM DRAIN

SCALE

0 20 40

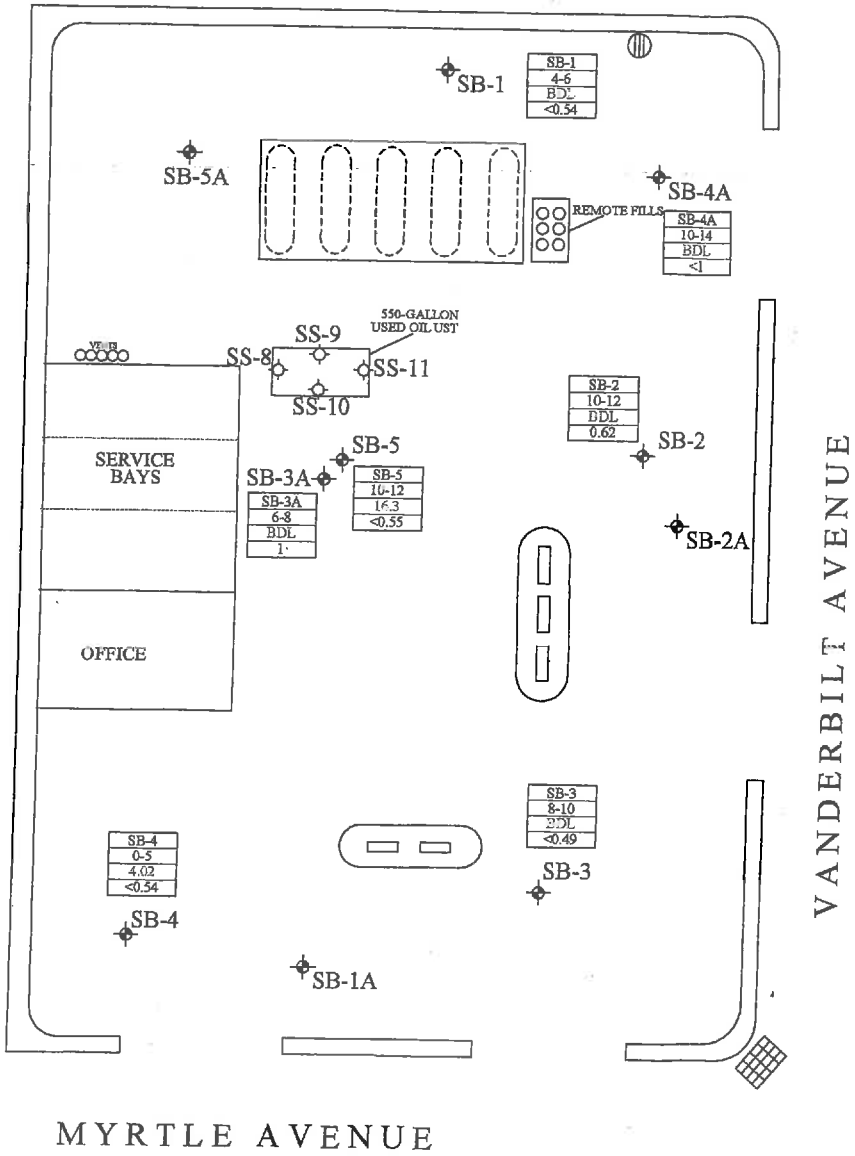
1 inch = 20 feet

FIGURE 2
SITE PLAN

BRANDED EXXON RAS No. 3-7890
140 VANDERBILT AVENUE
BROOKLYN, NEW YORK

DRAWN BY:	D. PURNHAGEN	SCALE:	1" = 20'
REVISED BY:	-	PROJECT NUMBER:	9802401AA
CHECKED BY:		SOURCE: GSC FIELD RESEARCH	
DATE:	MAY 9, 2001		

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists



LEGEND

- SOIL BORING LOCATION
- SOIL SAMPLE LOCATION
- DISPENSER ISLAND
- GASOLINE UST
- CATCH BASIN
- STORM DRAIN

SB-1
6-8
10
5

SOIL BORING IDENTIFICATION
SAMPLE DEPTH INTERVAL (FEET BELOW GRADE)
TOTAL BTEX CONCENTRATION (µg/kg)
MTBE CONCENTRATION (µg/kg)

NOTES

1. Soil samples SS-8 through SS-11 were collected at 2.5 feet below grade in February 1998.

2. Soil boring SB-1A through SB-5A were advanced by ATC Associates in February 2000. Soil samples were not collected from borings SB-1A, SB-2A and SB-5A due to shallow refusal.

3. Soil boring SB-1 through SB-5 were advanced by GSC in October 2000.

SCALE

0 20 40

1 inch = 20 feet

FIGURE 3
HYDROCARBON DISTRIBUTION IN SOIL

BRANDED EXXON RAS No. 3-7890
140 VANDERBILT AVENUE
BROOKLYN, NEW YORK

DRAWN BY:	D. PURNHAGEN	SCALE:	1" = 20'
REVISED BY:	-	PROJECT NUMBER:	9802401AA
CHECKED BY:	PM	SOURCE: GSC FIELD RESEARCH	
DATE:	MAY 9, 2001		

GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists

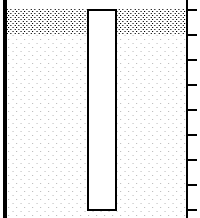
ATTACHMENT F
Soil Boring Logs

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB1

Location: Performed off the southwest corner of the tank pad.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 8 feet	Geologist Kevin Waters			

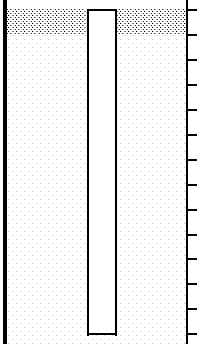
SB1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	30		0.0	30" - Brown sandy fill with brick. No odor *Retained soil sample SB1(0-2).*
	5 to 8	22		0.0	22" - Brown sandy fill. No odor *Retained soil sample SB1(6-8).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB2

Location: Performed off of the northeast corner of the tank pad.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 13 feet	Geologist Kevin Waters			

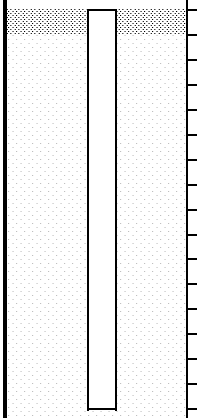
SB2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	33		0.0	33" - Brown silty sand with brick/rock. No odor **Retained soil sample SB2(0-2).*
	5 to 10	20		0.0	20" - Brown sandy silt with rock. No odor
	10 to 13	18		0.0	18" - Brown sand with rock. No odor **Retained soil sample SB2(11-13).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB3

Location: Performed in front of the service station building between the tank pad and dispenser canopy.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 16 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	32		0.0	32" - Brown sandy fill. No odor *Retained soil sample SB3(0-2) and duplicate.*
	5 to 10	24		0.0	24" - Brown sandy fill. No odor
	10 to 16	56		0.0	56" - Brown sand with brick. No odor *Retained soil sample SB3(14-16).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB4

Location: Performed on the east side of the dispenser canopy, north of MW2.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 8 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	38		1.0	38" - Brown sandy fill with brick. No odor *Retained soil sample SB4(0-2).*
	to 8	22		0.0	22" - Brown sandy fill. No odor *Retained soil sample SB4(6-8).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB5

Location: Performed on the west side of the dispenser canopy, immediately west of MW1.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 8 feet	Geologist Kevin Waters			

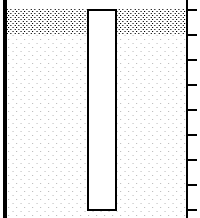
SB5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	36		1.0	36" - Brown sandy fill. No odor *Retained soil sample SB5(0-2).*
	to 8	40		0.0	40" - Brown sandy fill. No odor *Retained soil sample SB5(6-8).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB6

Location: Performed in northwest corner of the site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 8 feet	Geologist Kevin Waters			

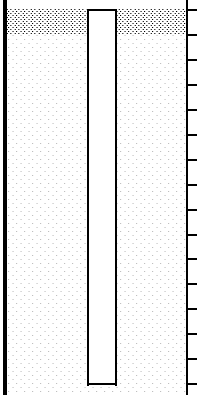
SB6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	20		0.0	20" - Brown sandy fill. No odor *Retained soil sample SB6(0-2).*
	5 to 8	21		0.0	21" - Brown sandy fill. No odor *Retained soil sample SB6(6-8).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB7

Location: Performed on the north side of the tank pad.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			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	29		0.0	29" - Brown sandy fill with brick. No odor *Retained soil sample SB7(0-2).*
	5 to 10	33		0.0	33" - Brown sandy fill with brick. No odor *Retained soil sample SB9(8-10).*
	10 to 15	25		0.0	25" - Brown sandy fill. No odor *Retained soil sample SB7(13-15).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB8

Location: Performed in the center of east part of the site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			none
Completion Depth: 16 feet	Geologist Kevin Waters			

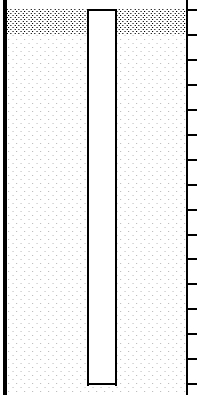
SB8 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	20		0.0	32" - Brown sandy fill with brick/rock. No odor *Retained soil sample SB8(0-2).*
	5 to 10	30		0.0	30" - Brown sandy fill with brick. No odor
	10 to 16	15		0.0	7" - Brown sandy fill. No odor 8" - Brown sand with rock. No odor *Retained soil sample SB8(14-16).*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

SB9

Location: Performed in the southeast corner of the site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: Getty Gas Station	Address: 140 Vanderbilt Avenue, Brooklyn, New York	Date	DTW	Ground Elevation
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Groundwater depth ~57		Well Specifications
Date Started: 1/21/2014	Date Completed: 1/21/2014			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	29		0.0	29" - Brown sandy fill with brick/rock. No odor *Retained soil sample SB9(0-2).*
	5 to 10	33		0.0	33" - Brown sandy fill. No odor *Retained soil sample SB9(8-10).*
	10 to 15	2		0.0	2" - Brown sandy fill. No odor

ATTACHMENT G
Groundwater Sampling Logs

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 1/29/2014

Well Depth (from TOC): 65

Equipment: Submersible Pump and Polyethylene Bailer

Static Water Level (from TOC): 50

Field Personnel: Kevin Waters

Height of Water in Well: 15

Gallons of Water per Well Volume: 2.448

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	7:45	600ml/min	0					turbid
15.00	8:00	600ml/min	2.7					turbid
30.00	8:15	600ml/min	5.4					turbid
45.00	8:30	600ml/min	8.1					clear

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW2

Date: 1/29/2014

Well Depth (from TOC): 65

Equipment: Submersible Pump and Polyethylene Bailer

Static Water Level (from TOC): 50

Field Personnel: Kevin Waters

Height of Water in Well: 15

Gallons of Water per Well Volume: 2.448

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	8:45	600ml/min	0					turbid
15.00	9:00	600ml/min	2.7					turbid
30.00	9:15	600ml/min	5.4					turbid
45.00	9:30	600ml/min	8.1					clear

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 1/29/2014

Well Depth (from TOC): 65

Equipment: Submersible Pump and Polyethylene Bailer

Static Water Level (from TOC): 50

Field Personnel: Kevin Waters

Height of Water in Well: 15

Gallons of Water per Well Volume: 2.448

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (ºF)	DO (mg/L)	Comments
0.00	10:00	400ml/min	0					turbid
15.00	10:15	400ml/min	1.65					turbid
30.00	10:30	400ml/min	3.3					turbid
45.00	10:45	400ml/min	4.95					clear
60.00	11:00	400ml/min	6.6					clear

ATTACHMENT H
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. # 40C MICIP Page 1 of 1

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

Report to: Kristen
Customer: EBC
Address:

Invoice to: EBC

Sampled by: Chen Zhuoying

Project Name: 140 Vanderbilt Ave, Brooklyn
Criteria Requested: Deliverable: RCP ☐ MCP ☐
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	
04747	SG-6	12855	6.0	-30		4485	40	1047	1228	1-29	-30	-6		X			X
04748	SG-4	221				3414		1054	1227		-30	-5		X			X
04749	SG-1	12862				5040		1108	1249		-30	-6		X			X
04750	SG-5	488				5043		1050	1232		-30	-7		X			X
04751	SG-3	13638				3407		1057	1224		-29	-3		X			X
04752	SG-2	457				4957		1103	1248		-30	-6		X			X
	6L 2HR																

Relinquished by:	Accepted by:	Date:	Time:
		1-30-14	10:45
	FEDEX	1-30-14	15:46

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

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 I
Laboratory Reports in Digital Format

PHOENIX
Environmental Laboratories, Inc.

Friday, February 14, 2014

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

Project ID: 140 VANDERBILT AVE BROOKLYN
Sample ID#s: BG04753 - BG04757

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

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Client: Environmental Business Consultants
Project: 140 VANDERBILT AVE BROOKLYN
Laboratory Project: GBG04753

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

February 14, 2014 **SDG I.D.: GBG04753**

Environmental Business Consultants 140 VANDERBILT AVE BROOKLYN

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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.

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

February 14, 2014 **SDG I.D.: GBG04753**

Environmental Business Consultants 140 VANDERBILT AVE BROOKLYN

Semivolatile Organic Compounds

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

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
MW 1	BG04753	GROUND WATER
MW 2	BG04754	GROUND WATER
MW 3	BG04755	GROUND WATER
GW DUPLICATE	BG04756	GROUND WATER
TRIP BLANK	BG04757	GROUND WATER

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

February 14, 2014 **SDG I.D.: GBG04753**

Environmental Business Consultants 140 VANDERBILT AVE BROOKLYN

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

February 14, 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:		01/29/14	9:00
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04753
Phoenix ID: BG04753

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	01/31/14	EK	SW6010
Aluminum	38.7		0.10	0.024	mg/L	01/31/14	EK	SW6010
Arsenic - LDL	0.016		0.004	0.001	mg/L	01/31/14	EK	SW6010
Barium	0.528		0.010	0.0003	mg/L	01/31/14	EK	SW6010
Beryllium	0.002		0.001	0.001	mg/L	01/31/14	EK	SW6010
Calcium	87.3		0.010	0.003	mg/L	01/31/14	EK	SW6010
Cadmium	0.002	B	0.004	0.0002	mg/L	01/31/14	EK	SW6010
Cobalt	0.046		0.005	0.0003	mg/L	01/31/14	EK	SW6010
Chromium	0.089		0.001	0.0009	mg/L	01/31/14	EK	SW6010
Copper	0.172		0.005	0.001	mg/L	01/31/14	EK	SW6010
Silver (Dissolved)	< 0.005		0.005	0.0006	mg/L	01/30/14	EK	SW6010
Aluminum (Dissolved)	1.94		0.01	0.0026	mg/L	01/30/14	EK	SW6010
Arsenic, (Dissolved)	0.009		0.003	0.001	mg/L	01/30/14	EK	SW6010
Barium (Dissolved)	0.142		0.011	0.0003	mg/L	01/30/14	EK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	01/30/14	EK	SW6010
Calcium (Dissolved)	75.6		0.01	0.003	mg/L	01/30/14	EK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0002	mg/L	01/30/14	EK	SW6010
Cobalt, (Dissolved)	0.002	B	0.005	0.0003	mg/L	01/30/14	EK	SW6010
Chromium (Dissolved)	0.008		0.001	0.0010	mg/L	01/30/14	EK	SW6010
Copper, (Dissolved)	0.008		0.005	0.001	mg/L	01/30/14	EK	SW6010
Iron, (Dissolved)	2.41		0.01	0.005	mg/L	01/30/14	EK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470
Potassium (Dissolved)	5.3		0.1	0.1	mg/L	01/30/14	EK	SW6010
Magnesium (Dissolved)	28.7		0.01	0.001	mg/L	01/30/14	EK	SW6010
Manganese, (Dissolved)	0.067		0.005	0.001	mg/L	01/30/14	EK	SW6010
Sodium (Dissolved)	107		1.1	1.1	mg/L	01/30/14	EK	SW6010
Nickel, (Dissolved)	0.006		0.004	0.0005	mg/L	01/30/14	EK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	01/30/14	EK	SW6010

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium , (Dissolved)	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium, (Dissolved)	0.01	B	0.01	0.001	mg/L	01/30/14	EK	SW6010	
Zinc, (Dissolved)	0.010	B	0.011	0.001	mg/L	01/30/14	EK	SW6010	
Iron	58.1		0.01	0.005	mg/L	01/31/14	EK	SW6010	
Mercury	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470	
Potassium	11.7		0.1	0.1	mg/L	01/31/14	EK	SW6010	
Magnesium	48.1		0.01	0.001	mg/L	01/31/14	EK	SW6010	
Manganese	2.80		0.050	0.010	mg/L	01/31/14	EK	SW6010	
Sodium	99.5		1.0	1.0	mg/L	01/31/14	EK	SW6010	
Nickel	0.144		0.004	0.0005	mg/L	01/31/14	EK	SW6010	
Lead	0.080		0.002	0.001	mg/L	01/31/14	EK	SW6010	
Antimony	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium - LDL	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium	0.094		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Zinc	0.199		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Filtration	Completed					01/30/14	Z/Z	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/31/14	I/I	SW7470	
Mercury Digestion	Completed					01/31/14	I/I	SW7470	
PCB Extraction	Completed					01/30/14	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/30/14	L	SW3510	
Semi-Volatile Extraction	Completed					01/30/14	E/KW	SW3520	
Dissolved Metals Preparation	Completed					01/30/14	Z/Z	SW846-3005	
Total Metals Digestion	Completed					01/30/14	T	SW846 - 3050	

Pesticides

4,4' -DDD	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDE	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDT	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
a-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
a-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Alachlor	ND		0.075	0.075	ug/L	02/04/14	M/P	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
b-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Chlordane	ND		0.05	0.05	ug/L	02/04/14	M/P	SW8081	
d-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Dieldrin	0.003		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
Endosulfan I	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan II	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan Sulfate	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin Aldehyde	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin ketone	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
g-BHC (Lindane)	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
g-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor epoxide	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Methoxychlor	ND		0.10	0.10	ug/L	02/04/14	M/P	SW8081	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Toxaphene	ND	0.25	0.25	ug/L	02/04/14	M/P	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	29			%	02/04/14	M/P	SW8081	
%TCMX (Surrogate Rec)	70			%	02/04/14	M/P	SW8081	
Polychlorinated Biphenyls								
PCB-1016	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1221	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1232	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1242	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1248	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1254	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1260	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1262	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1268	ND	0.072	0.072	ug/L	01/31/14	AW	8082	
QA/QC Surrogates								
% DCBP	34			%	01/31/14	AW	30 - 150 %	
% TCMX	63			%	01/31/14	AW	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	01/31/14	RM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
1,1-Dichloropropene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	01/31/14	RM	SW8260	
1,2-Dibromoethane	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
1,2-Dichloroethane	ND	0.6	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichloropropane	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,3-Dichlorobenzene	ND	3	0.19	ug/L	01/31/14	RM	SW8260	
1,3-Dichloropropane	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	01/31/14	RM	SW8260	
2,2-Dichloropropane	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
2-Chlorotoluene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
2-Hexanone	ND	1.0	0.27	ug/L	01/31/14	RM	SW8260	
2-Isopropyltoluene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	1
4-Chlorotoluene	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Acetone	ND	5.0	0.31	ug/L	01/31/14	RM	SW8260	
Acrolein	ND	5.0	0.95	ug/L	01/31/14	RM	SW8260	
Acrylonitrile	ND	5.0	0.17	ug/L	01/31/14	RM	SW8260	
Benzene	ND	0.70	0.19	ug/L	01/31/14	RM	SW8260	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromobenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	01/31/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	01/31/14	RM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	01/31/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	01/31/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	01/31/14	RM	SW8260	
Chloroform	4.5	J	5.0	0.22	ug/L	01/31/14	RM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	01/31/14	RM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	01/31/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	01/31/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	01/31/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	01/31/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	01/31/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	01/31/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	01/31/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	01/31/14	RM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
Styrene	ND		1.0	0.41	ug/L	01/31/14	RM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Tetrachloroethene	3.9		1.0	0.24	ug/L	01/31/14	RM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	01/31/14	RM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	01/31/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	01/31/14	RM	SW8260	
Trichloroethene	0.40	J	1.0	0.18	ug/L	01/31/14	RM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	01/31/14	RM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	01/31/14	RM	70 - 121 %	
% Bromofluorobenzene	97				%	01/31/14	RM	59 - 113 %	
% Dibromofluoromethane	101				%	01/31/14	RM	70 - 130 %	
% Toluene-d8	100				%	01/31/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	02/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND		3	1.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1	ug/L	02/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	02/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	3.5	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	2.4	ug/L	02/02/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	02/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	02/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	02/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	02/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	02/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	02/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	02/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	116			%	02/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	91			%	02/02/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	02/02/14	DD	25 - 121 %
% Nitrobenzene-d5	73			%	02/02/14	DD	23 - 120 %
% Phenol-d5	73			%	02/02/14	DD	24 - 113 %
% Terphenyl-d14	118			%	02/02/14	DD	18 - 137 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	01/31/14	DD	SW8270 (SIM)
Chrysene	0.03	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	01/31/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	116			%	01/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	91			%	01/31/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	01/31/14	DD	25 - 121 %
% Nitrobenzene-d5	73			%	01/31/14	DD	23 - 120 %
% Phenol-d5	73			%	01/31/14	DD	24 - 113 %
% Terphenyl-d14	118			%	01/31/14	DD	18 - 137 %

Project ID: 140 VANDERBILT AVE BROOKLYN

Client ID: MW 1

Phoenix I.D.: BG04753

Parameter	Result	RL/ PQL	LOD/ MDL	Units	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 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.

Pesticide Analysis:
One of the surrogate recovery's is below the lower range. The other surrogate recovery is acceptable. Therefore a slight low bias for some of the compounds is possible.

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

February 14, 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

February 14, 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:		01/29/14	9:30
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04753
Phoenix ID: BG04754

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	01/31/14	EK	SW6010
Aluminum	33.9		0.10	0.024	mg/L	01/31/14	EK	SW6010
Arsenic - LDL	0.018		0.004	0.001	mg/L	01/31/14	EK	SW6010
Barium	0.415		0.010	0.0003	mg/L	01/31/14	EK	SW6010
Beryllium	0.002		0.001	0.001	mg/L	01/31/14	EK	SW6010
Calcium	74.9		0.010	0.003	mg/L	01/31/14	EK	SW6010
Cadmium	0.001	B	0.004	0.0002	mg/L	01/31/14	EK	SW6010
Cobalt	0.061		0.005	0.0003	mg/L	01/31/14	EK	SW6010
Chromium	0.092		0.001	0.0009	mg/L	01/31/14	EK	SW6010
Copper	0.157		0.005	0.001	mg/L	01/31/14	EK	SW6010
Silver (Dissolved)	< 0.005		0.005	0.0006	mg/L	01/30/14	EK	SW6010
Aluminum (Dissolved)	1.78		0.01	0.0026	mg/L	01/30/14	EK	SW6010
Arsenic, (Dissolved)	0.010		0.003	0.001	mg/L	01/30/14	EK	SW6010
Barium (Dissolved)	0.110		0.011	0.0003	mg/L	01/30/14	EK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	01/30/14	EK	SW6010
Calcium (Dissolved)	65.2		0.01	0.003	mg/L	01/30/14	EK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0002	mg/L	01/30/14	EK	SW6010
Cobalt, (Dissolved)	0.002	B	0.005	0.0003	mg/L	01/30/14	EK	SW6010
Chromium (Dissolved)	0.006		0.001	0.0010	mg/L	01/30/14	EK	SW6010
Copper, (Dissolved)	0.008		0.005	0.001	mg/L	01/30/14	EK	SW6010
Iron, (Dissolved)	2.28		0.01	0.005	mg/L	01/30/14	EK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470
Potassium (Dissolved)	4.8		0.1	0.1	mg/L	01/30/14	EK	SW6010
Magnesium (Dissolved)	26.9		0.01	0.001	mg/L	01/30/14	EK	SW6010
Manganese, (Dissolved)	0.066		0.005	0.001	mg/L	01/30/14	EK	SW6010
Sodium (Dissolved)	82.5		1.1	1.1	mg/L	01/30/14	EK	SW6010
Nickel, (Dissolved)	0.006		0.004	0.0005	mg/L	01/30/14	EK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	01/30/14	EK	SW6010

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 2

Phoenix I.D.: BG04754

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium , (Dissolved)	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium, (Dissolved)	0.01	B	0.01	0.001	mg/L	01/30/14	EK	SW6010	
Zinc, (Dissolved)	0.051		0.011	0.001	mg/L	01/30/14	EK	SW6010	
Iron	63.9		0.01	0.005	mg/L	01/31/14	EK	SW6010	
Mercury	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470	
Potassium	11.3		0.1	0.1	mg/L	01/31/14	EK	SW6010	
Magnesium	56.9		0.01	0.001	mg/L	01/31/14	EK	SW6010	
Manganese	2.94		0.050	0.010	mg/L	01/31/14	EK	SW6010	
Sodium	93.1		1.0	1.0	mg/L	01/31/14	EK	SW6010	
Nickel	0.247		0.004	0.0005	mg/L	01/31/14	EK	SW6010	
Lead	0.073		0.002	0.001	mg/L	01/31/14	EK	SW6010	
Antimony	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium - LDL	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium	0.100		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Zinc	0.198		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Filtration	Completed					01/30/14	Z/Z	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/31/14	I/I	SW7470	
Mercury Digestion	Completed					01/31/14	I/I	SW7470	
PCB Extraction	Completed					01/30/14	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/30/14	L	SW3510	
Semi-Volatile Extraction	Completed					01/30/14	E/KW	SW3520	
Dissolved Metals Preparation	Completed					01/30/14	Z/Z	SW846-3005	
Total Metals Digestion	Completed					01/30/14	T	SW846 - 3050	

Pesticides

4,4' -DDD	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDE	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDT	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
a-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
a-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Alachlor	ND		0.075	0.075	ug/L	02/04/14	M/P	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
b-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Chlordane	ND		0.05	0.05	ug/L	02/04/14	M/P	SW8081	
d-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Dieldrin	0.003		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
Endosulfan I	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan II	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan Sulfate	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin Aldehyde	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin ketone	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
g-BHC (Lindane)	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
g-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor epoxide	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Methoxychlor	ND		0.10	0.10	ug/L	02/04/14	M/P	SW8081	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Toxaphene	ND		0.25	0.25	ug/L	02/04/14	M/P	SW8081	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	33				%	02/04/14	M/P	SW8081	
%TCMX (Surrogate Rec)	63				%	02/04/14	M/P	SW8081	
Polychlorinated Biphenyls									
PCB-1016	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1221	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1232	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1242	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1248	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1254	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1260	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1262	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1268	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
QA/QC Surrogates									
% DCBP	42				%	01/31/14	AW	30 - 150 %	
% TCMX	62				%	01/31/14	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,1-Trichloroethane	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	01/31/14	RM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	01/31/14	RM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	01/31/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	01/31/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	01/31/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Acetone	1.9	J	5.0	0.31	ug/L	01/31/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	01/31/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	01/31/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	01/31/14	RM	SW8260	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 2

Phoenix I.D.: BG04754

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromobenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
Bromochloromethane	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Bromodichloromethane	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
Bromoform	ND	5.0	0.10	ug/L	01/31/14	RM	SW8260	
Bromomethane	ND	5.0	0.25	ug/L	01/31/14	RM	SW8260	
Carbon Disulfide	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Carbon tetrachloride	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Chlorobenzene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
Chloroethane	ND	5.0	0.24	ug/L	01/31/14	RM	SW8260	
Chloroform	6.9	5.0	0.22	ug/L	01/31/14	RM	SW8260	
Chloromethane	ND	5.0	0.21	ug/L	01/31/14	RM	SW8260	
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	01/31/14	RM	SW8260	
Dibromochloromethane	ND	1.0	0.15	ug/L	01/31/14	RM	SW8260	
Dibromomethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	01/31/14	RM	SW8260	
Ethylbenzene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Hexachlorobutadiene	ND	0.5	0.13	ug/L	01/31/14	RM	SW8260	
Isopropylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
m&p-Xylene	ND	1.0	0.42	ug/L	01/31/14	RM	SW8260	
Methyl ethyl ketone	ND	1.0	0.50	ug/L	01/31/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Methylene chloride	ND	3.0	0.16	ug/L	01/31/14	RM	SW8260	
Naphthalene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
n-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Styrene	ND	1.0	0.41	ug/L	01/31/14	RM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Tetrachloroethene	7.9	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	01/31/14	RM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	01/31/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
Trichloroethene	1.5	1.0	0.18	ug/L	01/31/14	RM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	01/31/14	RM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/31/14	RM	70 - 121 %	
% Bromofluorobenzene	95			%	01/31/14	RM	59 - 113 %	
% Dibromofluoromethane	98			%	01/31/14	RM	70 - 130 %	
% Toluene-d8	101			%	01/31/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 2

Phoenix I.D.: BG04754

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1	ug/L	02/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	02/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	3.5	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	2.4	ug/L	02/02/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	02/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	02/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	02/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	02/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	02/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 2

Phoenix I.D.: BG04754

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	02/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	02/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	114			%	02/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	02/02/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	02/02/14	DD	25 - 121 %
% Nitrobenzene-d5	98			%	02/02/14	DD	23 - 120 %
% Phenol-d5	72			%	02/02/14	DD	24 - 113 %
% Terphenyl-d14	105			%	02/02/14	DD	18 - 137 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.03	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	0.04	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	01/31/14	DD	SW8270 (SIM)
Chrysene	0.03	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	01/31/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	114			%	01/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	01/31/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	01/31/14	DD	25 - 121 %
% Nitrobenzene-d5	98			%	01/31/14	DD	23 - 120 %
% Phenol-d5	72			%	01/31/14	DD	24 - 113 %
% Terphenyl-d14	105			%	01/31/14	DD	18 - 137 %

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04754

Client ID: MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	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 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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 14, 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

February 14, 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:		01/29/14	12:00
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04753
Phoenix ID: BG04755

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	01/31/14	EK	SW6010
Aluminum	31.8		0.10	0.024	mg/L	01/31/14	EK	SW6010
Arsenic - LDL	0.014		0.004	0.001	mg/L	01/31/14	EK	SW6010
Barium	0.425		0.010	0.0003	mg/L	01/31/14	EK	SW6010
Beryllium	0.001		0.001	0.001	mg/L	01/31/14	EK	SW6010
Calcium	87.0		0.010	0.003	mg/L	01/31/14	EK	SW6010
Cadmium	0.001	B	0.004	0.0002	mg/L	01/31/14	EK	SW6010
Cobalt	0.040		0.005	0.0003	mg/L	01/31/14	EK	SW6010
Chromium	0.138		0.001	0.0009	mg/L	01/31/14	EK	SW6010
Copper	0.173		0.005	0.001	mg/L	01/31/14	EK	SW6010
Silver (Dissolved)	< 0.005		0.005	0.0006	mg/L	01/30/14	EK	SW6010
Aluminum (Dissolved)	0.85		0.01	0.0026	mg/L	01/30/14	EK	SW6010
Arsenic, (Dissolved)	0.008		0.003	0.001	mg/L	01/30/14	EK	SW6010
Barium (Dissolved)	0.125		0.011	0.0003	mg/L	01/30/14	EK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	01/30/14	EK	SW6010
Calcium (Dissolved)	74.4		0.01	0.003	mg/L	01/30/14	EK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0002	mg/L	01/30/14	EK	SW6010
Cobalt, (Dissolved)	0.001	B	0.005	0.0003	mg/L	01/30/14	EK	SW6010
Chromium (Dissolved)	0.005		0.001	0.0010	mg/L	01/30/14	EK	SW6010
Copper, (Dissolved)	0.005	B	0.005	0.001	mg/L	01/30/14	EK	SW6010
Iron, (Dissolved)	0.98		0.01	0.005	mg/L	01/30/14	EK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470
Potassium (Dissolved)	4.5		0.1	0.1	mg/L	01/30/14	EK	SW6010
Magnesium (Dissolved)	29.3		0.01	0.001	mg/L	01/30/14	EK	SW6010
Manganese, (Dissolved)	0.019		0.005	0.001	mg/L	01/30/14	EK	SW6010
Sodium (Dissolved)	82.9		1.1	1.1	mg/L	01/30/14	EK	SW6010
Nickel, (Dissolved)	0.003	B	0.004	0.0005	mg/L	01/30/14	EK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	01/30/14	EK	SW6010

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Phoenix I.D.: BG04755

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium , (Dissolved)	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium, (Dissolved)	0.002	B	0.01	0.001	mg/L	01/30/14	EK	SW6010	
Zinc, (Dissolved)	0.007	B	0.011	0.001	mg/L	01/30/14	EK	SW6010	
Iron	58.4		0.01	0.005	mg/L	01/31/14	EK	SW6010	
Mercury	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470	
Potassium	10.0		0.1	0.1	mg/L	01/31/14	EK	SW6010	
Magnesium	46.5		0.01	0.001	mg/L	01/31/14	EK	SW6010	
Manganese	1.91		0.005	0.001	mg/L	01/31/14	EK	SW6010	
Sodium	86.7		1.0	1.0	mg/L	01/31/14	EK	SW6010	
Nickel	0.126		0.004	0.0005	mg/L	01/31/14	EK	SW6010	
Lead	0.069		0.002	0.001	mg/L	01/31/14	EK	SW6010	
Antimony	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium - LDL	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium	0.083		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Zinc	0.177		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Filtration	Completed					01/30/14	Z/Z	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/31/14	I/I	SW7470	
Mercury Digestion	Completed					01/31/14	I/I	SW7470	
PCB Extraction	Completed					01/30/14	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/30/14	L	SW3510	
Semi-Volatile Extraction	Completed					01/30/14	E/KW	SW3520	
Dissolved Metals Preparation	Completed					01/30/14	Z/Z	SW846-3005	
Total Metals Digestion	Completed					01/30/14	T	SW846 - 3050	

Pesticides

4,4' -DDD	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDE	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDT	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
a-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
a-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Alachlor	ND		0.075	0.075	ug/L	02/04/14	M/P	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
b-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Chlordane	ND		0.05	0.05	ug/L	02/04/14	M/P	SW8081	
d-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Dieldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
Endosulfan I	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan II	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan Sulfate	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin Aldehyde	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin ketone	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
g-BHC (Lindane)	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
g-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor epoxide	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Methoxychlor	ND		0.10	0.10	ug/L	02/04/14	M/P	SW8081	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Phoenix I.D.: BG04755

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Toxaphene	ND		1.0	1.0	ug/L	02/04/14	M/P	SW8081	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	22				%	02/04/14	M/P	SW8081	
%TCMX (Surrogate Rec)	64				%	02/04/14	M/P	SW8081	
Polychlorinated Biphenyls									
PCB-1016	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1221	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1232	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1242	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1248	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1254	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1260	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1262	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1268	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
QA/QC Surrogates									
% DCBP	34				%	01/31/14	AW	30 - 150 %	
% TCMX	65				%	01/31/14	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,1-Trichloroethane	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	01/31/14	RM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	01/31/14	RM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	01/31/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	01/31/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	01/31/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Acetone	2.6	J	5.0	0.31	ug/L	01/31/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	01/31/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	01/31/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	01/31/14	RM	SW8260	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Phoenix I.D.: BG04755

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromobenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
Bromochloromethane	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Bromodichloromethane	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
Bromoform	ND	5.0	0.10	ug/L	01/31/14	RM	SW8260	
Bromomethane	ND	5.0	0.25	ug/L	01/31/14	RM	SW8260	
Carbon Disulfide	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Carbon tetrachloride	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Chlorobenzene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
Chloroethane	ND	5.0	0.24	ug/L	01/31/14	RM	SW8260	
Chloroform	6.0	5.0	0.22	ug/L	01/31/14	RM	SW8260	
Chloromethane	ND	5.0	0.21	ug/L	01/31/14	RM	SW8260	
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	01/31/14	RM	SW8260	
Dibromochloromethane	ND	1.0	0.15	ug/L	01/31/14	RM	SW8260	
Dibromomethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	01/31/14	RM	SW8260	
Ethylbenzene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Hexachlorobutadiene	ND	0.5	0.13	ug/L	01/31/14	RM	SW8260	
Isopropylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
m&p-Xylene	ND	1.0	0.42	ug/L	01/31/14	RM	SW8260	
Methyl ethyl ketone	ND	1.0	0.50	ug/L	01/31/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Methylene chloride	ND	3.0	0.16	ug/L	01/31/14	RM	SW8260	
Naphthalene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
n-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Styrene	ND	1.0	0.41	ug/L	01/31/14	RM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Tetrachloroethene	6.6	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	01/31/14	RM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	01/31/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
Trichloroethene	1.2	1.0	0.18	ug/L	01/31/14	RM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	01/31/14	RM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	01/31/14	RM	70 - 121 %	
% Bromofluorobenzene	98			%	01/31/14	RM	59 - 113 %	
% Dibromofluoromethane	105			%	01/31/14	RM	70 - 130 %	
% Toluene-d8	99			%	01/31/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Phoenix I.D.: BG04755

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1	ug/L	02/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	02/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	3.5	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	2.4	ug/L	02/02/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	02/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	02/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	02/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	02/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	02/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: MW 3

Phoenix I.D.: BG04755

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	02/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	02/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	119			%	02/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	02/02/14	DD	30 - 115 %
% 2-Fluorophenol	62			%	02/02/14	DD	25 - 121 %
% Nitrobenzene-d5	109			%	02/02/14	DD	23 - 120 %
% Phenol-d5	72			%	02/02/14	DD	24 - 113 %
% Terphenyl-d14	107			%	02/02/14	DD	18 - 137 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.6	1.6	ug/L	01/31/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.11	0.11	ug/L	01/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.5	1.6	ug/L	01/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	0.84	ug/L	01/31/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	01/31/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	119			%	01/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	01/31/14	DD	30 - 115 %
% 2-Fluorophenol	62			%	01/31/14	DD	25 - 121 %
% Nitrobenzene-d5	109			%	01/31/14	DD	23 - 120 %
% Phenol-d5	72			%	01/31/14	DD	24 - 113 %
% Terphenyl-d14	107			%	01/31/14	DD	18 - 137 %

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04755

Client ID: MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	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 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.

Pesticide Analysis:
One of the surrogate recovery's is below the lower range. The other surrogate recovery is acceptable. Therefore a slight low bias for some of the compounds is possible.

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

February 14, 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

February 14, 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:		01/29/14	12:40
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04753
Phoenix ID: BG04756

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: GW DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005		0.005	0.0006	mg/L	01/31/14	EK	SW6010
Aluminum	45.7		0.10	0.024	mg/L	01/31/14	EK	SW6010
Arsenic - LDL	0.017		0.004	0.001	mg/L	01/31/14	EK	SW6010
Barium	0.591		0.010	0.0003	mg/L	01/31/14	EK	SW6010
Beryllium	0.002		0.001	0.001	mg/L	01/31/14	EK	SW6010
Calcium	90.0		0.010	0.003	mg/L	01/31/14	EK	SW6010
Cadmium	0.002	B	0.004	0.0002	mg/L	01/31/14	EK	SW6010
Cobalt	0.054		0.005	0.0003	mg/L	01/31/14	EK	SW6010
Chromium	0.111		0.001	0.0009	mg/L	01/31/14	EK	SW6010
Copper	0.206		0.005	0.001	mg/L	01/31/14	EK	SW6010
Silver (Dissolved)	< 0.005		0.005	0.0006	mg/L	01/30/14	EK	SW6010
Aluminum (Dissolved)	0.56		0.01	0.0026	mg/L	01/30/14	EK	SW6010
Arsenic, (Dissolved)	0.007		0.003	0.001	mg/L	01/30/14	EK	SW6010
Barium (Dissolved)	0.128		0.011	0.0003	mg/L	01/30/14	EK	SW6010
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	01/30/14	EK	SW6010
Calcium (Dissolved)	75.3		0.01	0.003	mg/L	01/30/14	EK	SW6010
Cadmium (Dissolved)	< 0.004		0.004	0.0002	mg/L	01/30/14	EK	SW6010
Cobalt, (Dissolved)	0.001	B	0.005	0.0003	mg/L	01/30/14	EK	SW6010
Chromium (Dissolved)	0.004		0.001	0.0010	mg/L	01/30/14	EK	SW6010
Copper, (Dissolved)	0.006		0.005	0.001	mg/L	01/30/14	EK	SW6010
Iron, (Dissolved)	0.52		0.01	0.005	mg/L	01/30/14	EK	SW6010
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470
Potassium (Dissolved)	4.8		0.1	0.1	mg/L	01/30/14	EK	SW6010
Magnesium (Dissolved)	27.8		0.01	0.001	mg/L	01/30/14	EK	SW6010
Manganese, (Dissolved)	0.013		0.005	0.001	mg/L	01/30/14	EK	SW6010
Sodium (Dissolved)	115		1.1	1.1	mg/L	01/30/14	EK	SW6010
Nickel, (Dissolved)	0.004	B	0.004	0.0005	mg/L	01/30/14	EK	SW6010
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	01/30/14	EK	SW6010

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: BG04756

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium, (Dissolved)	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium , (Dissolved)	< 0.0005		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium, (Dissolved)	0.002	B	0.01	0.001	mg/L	01/30/14	EK	SW6010	
Zinc, (Dissolved)	0.005	B	0.011	0.001	mg/L	01/30/14	EK	SW6010	
Iron	70.8		0.01	0.005	mg/L	01/31/14	EK	SW6010	
Mercury	< 0.0002		0.0002	0.00015	mg/L	01/31/14	RS	SW7470	
Potassium	12.9		0.1	0.1	mg/L	01/31/14	EK	SW6010	
Magnesium	51.6		0.01	0.001	mg/L	01/31/14	EK	SW6010	
Manganese	3.42		0.050	0.010	mg/L	01/31/14	EK	SW6010	
Sodium	108		1.0	1.0	mg/L	01/31/14	EK	SW6010	
Nickel	0.172		0.004	0.0005	mg/L	01/31/14	EK	SW6010	
Lead	0.094		0.002	0.001	mg/L	01/31/14	EK	SW6010	
Antimony	< 0.003		0.003	0.003	mg/L	02/03/14	RS	7010	
Selenium	< 0.004		0.004	0.002	mg/L	02/03/14	RS	7010	
Thallium - LDL	0.0006		0.0005	0.0005	mg/L	02/04/14	RS	7010	
Vanadium	0.116		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Zinc	0.235		0.010	0.001	mg/L	01/31/14	EK	SW6010	
Filtration	Completed					01/30/14	Z/Z	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/31/14	I/I	SW7470	
Mercury Digestion	Completed					01/31/14	I/I	SW7470	
PCB Extraction	Completed					01/30/14	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/30/14	L	SW3510	
Semi-Volatile Extraction	Completed					01/30/14	E/KW	SW3520	
Dissolved Metals Preparation	Completed					01/30/14	Z/Z	SW846-3005	
Total Metals Digestion	Completed					01/30/14	T	SW846 - 3050	
Pesticides									
4,4' -DDD	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDE	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
4,4' -DDT	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
a-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
a-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Alachlor	ND		0.075	0.075	ug/L	02/04/14	M/P	SW8081	1
Aldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
b-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Chlordane	ND		0.05	0.05	ug/L	02/04/14	M/P	SW8081	
d-BHC	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
Dieldrin	ND		0.002	0.002	ug/L	02/04/14	M/P	SW8081	
Endosulfan I	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan II	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endosulfan Sulfate	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin Aldehyde	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Endrin ketone	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
g-BHC (Lindane)	ND		0.005	0.005	ug/L	02/04/14	M/P	SW8081	
g-chlordane	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Heptachlor epoxide	ND		0.010	0.010	ug/L	02/04/14	M/P	SW8081	
Methoxychlor	ND		0.10	0.10	ug/L	02/04/14	M/P	SW8081	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Toxaphene	ND		1.0	1.0	ug/L	02/04/14	M/P	SW8081	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	24				%	02/04/14	M/P	SW8081	
%TCMX (Surrogate Rec)	68				%	02/04/14	M/P	SW8081	
Polychlorinated Biphenyls									
PCB-1016	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1221	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1232	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1242	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1248	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1254	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1260	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1262	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
PCB-1268	ND		0.072	0.072	ug/L	01/31/14	AW	8082	
QA/QC Surrogates									
% DCBP	33				%	01/31/14	AW	30 - 150 %	
% TCMX	66				%	01/31/14	AW	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,1-Trichloroethane	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND		1.0	0.15	ug/L	01/31/14	RM	SW8260	
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethane	ND		5.0	0.23	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethene	ND		1.0	0.24	ug/L	01/31/14	RM	SW8260	
1,1-Dichloropropene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichloropropane	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND		1.0	0.36	ug/L	01/31/14	RM	SW8260	
1,2-Dibromoethane	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
1,2-Dichloroethane	ND		0.6	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichloropropane	ND		1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,3-Dichlorobenzene	ND		3	0.19	ug/L	01/31/14	RM	SW8260	
1,3-Dichloropropane	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
1,4-Dichlorobenzene	ND		5.0	0.19	ug/L	01/31/14	RM	SW8260	
2,2-Dichloropropane	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
2-Chlorotoluene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
2-Hexanone	ND		1.0	0.27	ug/L	01/31/14	RM	SW8260	
2-Isopropyltoluene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	1
4-Chlorotoluene	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
4-Methyl-2-pentanone	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Acetone	2.3	J	5.0	0.31	ug/L	01/31/14	RM	SW8260	
Acrolein	ND		5.0	0.95	ug/L	01/31/14	RM	SW8260	
Acrylonitrile	ND		5.0	0.17	ug/L	01/31/14	RM	SW8260	
Benzene	ND		0.70	0.19	ug/L	01/31/14	RM	SW8260	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: BG04756

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromobenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
Bromochloromethane	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
Bromodichloromethane	ND		1.0	0.16	ug/L	01/31/14	RM	SW8260	
Bromoform	ND		5.0	0.10	ug/L	01/31/14	RM	SW8260	
Bromomethane	ND		5.0	0.25	ug/L	01/31/14	RM	SW8260	
Carbon Disulfide	ND		1.0	0.24	ug/L	01/31/14	RM	SW8260	
Carbon tetrachloride	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Chlorobenzene	ND		5.0	0.20	ug/L	01/31/14	RM	SW8260	
Chloroethane	ND		5.0	0.24	ug/L	01/31/14	RM	SW8260	
Chloroform	4.7	J	5.0	0.22	ug/L	01/31/14	RM	SW8260	
Chloromethane	ND		5.0	0.21	ug/L	01/31/14	RM	SW8260	
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	01/31/14	RM	SW8260	
Dibromochloromethane	ND		1.0	0.15	ug/L	01/31/14	RM	SW8260	
Dibromomethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	01/31/14	RM	SW8260	
Ethylbenzene	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Hexachlorobutadiene	ND		0.5	0.13	ug/L	01/31/14	RM	SW8260	
Isopropylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
m&p-Xylene	ND		1.0	0.42	ug/L	01/31/14	RM	SW8260	
Methyl ethyl ketone	ND		1.0	0.50	ug/L	01/31/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
Methylene chloride	ND		3.0	0.16	ug/L	01/31/14	RM	SW8260	
Naphthalene	ND		1.0	0.19	ug/L	01/31/14	RM	SW8260	
n-Butylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
n-Propylbenzene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
o-Xylene	ND		1.0	0.45	ug/L	01/31/14	RM	SW8260	
p-Isopropyltoluene	ND		1.0	0.21	ug/L	01/31/14	RM	SW8260	
sec-Butylbenzene	ND		1.0	0.22	ug/L	01/31/14	RM	SW8260	
Styrene	ND		1.0	0.41	ug/L	01/31/14	RM	SW8260	
tert-Butylbenzene	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Tetrachloroethene	3.9		1.0	0.24	ug/L	01/31/14	RM	SW8260	
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	01/31/14	RM	SW8260	1
Toluene	ND		1.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	01/31/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	01/31/14	RM	SW8260	
Trichloroethene	0.42	J	1.0	0.18	ug/L	01/31/14	RM	SW8260	
Trichlorofluoromethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	01/31/14	RM	SW8260	
Vinyl chloride	ND		1.0	0.14	ug/L	01/31/14	RM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	01/31/14	RM	70 - 121 %	
% Bromofluorobenzene	95				%	01/31/14	RM	59 - 113 %	
% Dibromofluoromethane	104				%	01/31/14	RM	70 - 130 %	
% Toluene-d8	100				%	01/31/14	RM	84 - 138 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	02/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND		3	1.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: BG04756

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1	ug/L	02/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	02/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	3.5	ug/L	02/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	02/02/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	02/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	2.4	ug/L	02/02/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	02/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	02/02/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Aniline	ND	5	5	ug/L	02/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	02/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	02/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	02/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	02/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	02/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	02/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	02/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	02/02/14	DD	SW 8270

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: GW DUPLICATE

Phoenix I.D.: BG04756

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	02/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	02/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	02/02/14	DD	SW 8270
Phenol	ND	1	1	ug/L	02/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	02/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	02/02/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	112			%	02/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	81			%	02/02/14	DD	30 - 115 %
% 2-Fluorophenol	58			%	02/02/14	DD	25 - 121 %
% Nitrobenzene-d5	99			%	02/02/14	DD	23 - 120 %
% Phenol-d5	62			%	02/02/14	DD	24 - 113 %
% Terphenyl-d14	116			%	02/02/14	DD	18 - 137 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	01/31/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	01/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	01/31/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	01/31/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	112			%	01/31/14	DD	19 - 122 %
% 2-Fluorobiphenyl	81			%	01/31/14	DD	30 - 115 %
% 2-Fluorophenol	58			%	01/31/14	DD	25 - 121 %
% Nitrobenzene-d5	99			%	01/31/14	DD	23 - 120 %
% Phenol-d5	62			%	01/31/14	DD	24 - 113 %
% Terphenyl-d14	116			%	01/31/14	DD	18 - 137 %

Project ID: 140 VANDERBILT AVE BROOKLYN

Client ID: GW DUPLICATE

Phoenix I.D.: BG04756

Parameter	Result	RL/ PQL	LOD/ MDL	Units	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 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.

Pesticide Analysis:
One of the surrogate recovery's is below the lower range. The other surrogate recovery is acceptable. Therefore a slight low bias for some of the compounds is possible.

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

February 14, 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

February 14, 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:		01/29/14	0:00
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04753
Phoenix ID: BG04757

Project ID: 140 VANDERBILT AVE BROOKLYN
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	01/31/14	RM	SW8260	
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	01/31/14	RM	SW8260	
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	01/31/14	RM	SW8260	
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethane	ND	5.0	0.23	ug/L	01/31/14	RM	SW8260	
1,1-Dichloroethene	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
1,1-Dichloropropene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	01/31/14	RM	SW8260	
1,2-Dibromoethane	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
1,2-Dichloroethane	ND	0.6	0.20	ug/L	01/31/14	RM	SW8260	
1,2-Dichloropropane	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
1,3-Dichlorobenzene	ND	3	0.19	ug/L	01/31/14	RM	SW8260	
1,3-Dichloropropane	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	01/31/14	RM	SW8260	
2,2-Dichloropropane	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
2-Chlorotoluene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
2-Hexanone	ND	1.0	0.27	ug/L	01/31/14	RM	SW8260	
2-Isopropyltoluene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	1
4-Chlorotoluene	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: TRIP BLANK

Phoenix I.D.: BG04757

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Acetone	ND	5.0	0.31	ug/L	01/31/14	RM	SW8260	
Acrolein	ND	5.0	0.95	ug/L	01/31/14	RM	SW8260	
Acrylonitrile	ND	5.0	0.17	ug/L	01/31/14	RM	SW8260	
Benzene	ND	0.70	0.19	ug/L	01/31/14	RM	SW8260	
Bromobenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
Bromochloromethane	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Bromodichloromethane	ND	1.0	0.16	ug/L	01/31/14	RM	SW8260	
Bromoform	ND	5.0	0.10	ug/L	01/31/14	RM	SW8260	
Bromomethane	ND	5.0	0.25	ug/L	01/31/14	RM	SW8260	
Carbon Disulfide	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Carbon tetrachloride	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Chlorobenzene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
Chloroethane	ND	5.0	0.24	ug/L	01/31/14	RM	SW8260	
Chloroform	ND	5.0	0.22	ug/L	01/31/14	RM	SW8260	
Chloromethane	ND	5.0	0.21	ug/L	01/31/14	RM	SW8260	
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	01/31/14	RM	SW8260	
Dibromochloromethane	ND	1.0	0.15	ug/L	01/31/14	RM	SW8260	
Dibromomethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	01/31/14	RM	SW8260	
Ethylbenzene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Hexachlorobutadiene	ND	0.5	0.13	ug/L	01/31/14	RM	SW8260	
Isopropylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
m&p-Xylene	ND	1.0	0.42	ug/L	01/31/14	RM	SW8260	
Methyl ethyl ketone	ND	1.0	0.50	ug/L	01/31/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
Methylene chloride	ND	3.0	0.16	ug/L	01/31/14	RM	SW8260	
Naphthalene	ND	1.0	0.19	ug/L	01/31/14	RM	SW8260	
n-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
n-Propylbenzene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
o-Xylene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
p-Isopropyltoluene	ND	1.0	0.21	ug/L	01/31/14	RM	SW8260	
sec-Butylbenzene	ND	1.0	0.22	ug/L	01/31/14	RM	SW8260	
Styrene	ND	1.0	0.41	ug/L	01/31/14	RM	SW8260	
tert-Butylbenzene	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Tetrachloroethene	ND	1.0	0.24	ug/L	01/31/14	RM	SW8260	
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	01/31/14	RM	SW8260	1
Toluene	ND	1.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	01/31/14	RM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	01/31/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	01/31/14	RM	SW8260	
Trichloroethene	ND	1.0	0.18	ug/L	01/31/14	RM	SW8260	
Trichlorofluoromethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	01/31/14	RM	SW8260	
Vinyl chloride	ND	1.0	0.14	ug/L	01/31/14	RM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/31/14	RM	70 - 121 %	
% Bromofluorobenzene	98			%	01/31/14	RM	59 - 113 %	
% Dibromofluoromethane	102			%	01/31/14	RM	70 - 130 %	

Project ID: 140 VANDERBILT AVE BROOKLYN

Client ID: TRIP BLANK

Phoenix I.D.: BG04757

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	104			%	01/31/14	RM	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.

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

February 14, 2014

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Sample Criteria Exceedences Report

GBG04753 - EBC

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG04753	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG04753	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04753	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04753	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04753	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04753	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BG04753	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	38.7	0.10	0.1	0.1	mg/L
BG04753	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.089	0.001	0.05	0.05	mg/L
BG04753	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.94	0.01	0.1	0.1	mg/L
BG04753	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.41	0.01	0.3	0.3	mg/L
BG04753	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	107	1.1	20	20	mg/L
BG04753	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	58.1	0.01	0.3	0.3	mg/L
BG04753	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	48.1	0.01	35	35	mg/L
BG04753	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.80	0.050	0.3	0.3	mg/L
BG04753	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	99.5	1.0	20	20	mg/L
BG04753	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.144	0.004	0.1	0.1	mg/L
BG04753	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.080	0.002	0.025	0.025	mg/L
BG04754	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG04754	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	7.9	1.0	5	5	ug/L
BG04754	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	7.9	1.0	5	5	ug/L
BG04754	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04754	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04754	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04754	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBG04753 - EBC

Criteria: NY: GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG04754	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG04754	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BG04754	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	33.9	0.10	0.1	0.1	mg/L
BG04754	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.092	0.001	0.05	0.05	mg/L
BG04754	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.78	0.01	0.1	0.1	mg/L
BG04754	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.28	0.01	0.3	0.3	mg/L
BG04754	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	82.5	1.1	20	20	mg/L
BG04754	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	63.9	0.01	0.3	0.3	mg/L
BG04754	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	56.9	0.01	35	35	mg/L
BG04754	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.94	0.050	0.3	0.3	mg/L
BG04754	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	93.1	1.0	20	20	mg/L
BG04754	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.247	0.004	0.1	0.1	mg/L
BG04754	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.073	0.002	0.025	0.025	mg/L
BG04755	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG04755	$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	6.6	1.0	5	5	ug/L
BG04755	$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	6.6	1.0	5	5	ug/L
BG04755	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04755	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04755	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04755	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04755	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BG04755	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	31.8	0.10	0.1	0.1	mg/L
BG04755	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.138	0.001	0.05	0.05	mg/L
BG04755	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.85	0.01	0.1	0.1	mg/L
BG04755	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.98	0.01	0.3	0.3	mg/L
BG04755	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	82.9	1.1	20	20	mg/L
BG04755	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	58.4	0.01	0.3	0.3	mg/L
BG04755	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	46.5	0.01	35	35	mg/L
BG04755	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.91	0.005	0.3	0.3	mg/L
BG04755	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	86.7	1.0	20	20	mg/L
BG04755	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.126	0.004	0.1	0.1	mg/L
BG04755	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.069	0.002	0.025	0.025	mg/L

Sample Criteria Exceedences Report

GBG04753 - EBC

Criteria: NY: GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG04756	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG04756	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04756	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04756	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG04756	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG04756	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BG04756	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	45.7	0.10	0.1	0.1	mg/L
BG04756	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.111	0.001	0.05	0.05	mg/L
BG04756	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.206	0.005	0.2	0.2	mg/L
BG04756	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.56	0.01	0.1	0.1	mg/L
BG04756	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.52	0.01	0.3	0.3	mg/L
BG04756	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	115	1.1	20	20	mg/L
BG04756	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	70.8	0.01	0.3	0.3	mg/L
BG04756	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	51.6	0.01	35	35	mg/L
BG04756	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	3.42	0.050	0.3	0.3	mg/L
BG04756	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	108	1.0	20	20	mg/L
BG04756	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.172	0.004	0.1	0.1	mg/L
BG04756	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.094	0.002	0.025	0.025	mg/L
BG04756	TL-WMDP	Thallium - LDL	NY / TOGS - Water Quality / GA Criteria	0.0006	0.0005	0.0005	0.0005	mg/L
BG04757	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG04757	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG04757	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

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

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

NY Temperature Narration

February 14, 2014

SDG I.D.: GBG04753

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 MLLP

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

Customer: EBC
Address: 1808 Middle Country Rd Ridge, NY

Project: 140 Vanderbilt Ave, Brooklyn
Report to: EBC
Invoice to: EBC

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1-29-2014

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	Pesticides / PCBs	TAL Metals Total	TAL Metals Dissolved										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 [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
04753	MW1	GW	1-29	900	X	X	X	X	X												3	3	1		1			
04754	MW2	GW	↓	930	↓	↓	↓	↓	↓												3	3	1		1			
04755	MW3	GW	↓	1200	↓	↓	↓	↓	↓												3	3	1		1			
04756	GW Duplicate	GW	↓	1240	↓	X	X	X	X												3	3	1		1			
04757	Trip blank		↓		↓																2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-30-14	10:45
[signature]	TRACONA	1-30-14	10:46

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, February 03, 2014

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

Project ID: 140 VANDERBILT AVE BKLYN NY
Sample ID#s: BG03031 - BG03051

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

NY # 11301

Analysis Report

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03031

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	01/27/14	LK	SW6010
Aluminum	6690		34	6.7	mg/Kg	01/27/14	LK	SW6010
Arsenic	5.6	*	0.7	0.67	mg/Kg	01/27/14	LK	SW6010
Barium	128		0.7	0.13	mg/Kg	01/27/14	LK	SW6010
Beryllium	0.37		0.27	0.13	mg/Kg	01/27/14	LK	SW6010
Calcium	24700		34	31	mg/Kg	01/27/14	LK	SW6010
Cadmium	0.64		0.34	0.13	mg/Kg	01/27/14	LK	SW6010
Cobalt	4.10		0.34	0.13	mg/Kg	01/27/14	LK	SW6010
Chromium	18.2		0.34	0.13	mg/Kg	01/27/14	LK	SW6010
Copper	66.3	N	0.34	0.27	mg/kg	01/27/14	LK	SW6010
Iron	20300	*	34	34	mg/Kg	01/27/14	LK	SW6010
Mercury	0.35		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1100	N	7	2.6	mg/Kg	01/27/14	LK	SW6010
Magnesium	3680		3.4	0.20	mg/Kg	01/27/14	LK	SW6010
Manganese	243	N	3.4	1.3	mg/Kg	01/27/14	LK	SW6010
Sodium	653	N	7	2.9	mg/Kg	01/27/14	LK	SW6010
Nickel	14.1		0.34	0.13	mg/Kg	01/27/14	LK	SW6010
Lead	246	N*	6.7	2.0	mg/Kg	01/27/14	LK	SW6010
Antimony	2.1		1.7	0.67	mg/Kg	01/27/14	LK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	01/27/14	LK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	01/27/14	LK	SW6010
Vanadium	23.0		0.3	0.13	mg/Kg	01/27/14	LK	SW6010
Zinc	174	N	6.7	3.4	mg/Kg	01/27/14	LK	SW6010
Percent Solid	91				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG03031

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	111			%	01/28/14	AW	30 - 150 %
% TCMX	74			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	4.0	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	80	22	22	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	35	35	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	116			%	01/29/14	MH	30 - 150 %
% TCMX	92			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG03031

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		270	55	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		270	55	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		270	40	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	74	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.5	0.49	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.5	0.79	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		270	36	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		270	41	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.5	0.59	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.5	0.93	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		270	44	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	8.2	JS	50	5.5	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		270	36	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.5	0.81	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.5	0.69	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.5	0.78	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.5	4.3	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.5	0.90	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.5	0.82	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.60	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.5	0.70	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		270	58	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		270	53	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.4	JS	5.5	0.91	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		270	74	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		270	50	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.5	2.1	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND		270	40	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND		270	52	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND		270	44	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	5.0	ug/Kg	01/26/14	HM	SW8260	1
Toluene	0.90	J	5.5	0.88	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		550	510	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.87	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	97				%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	81				%	01/26/14	HM	70 - 130 %	
% Toluene-d8	81				%	01/26/14	HM	84 - 138 %	3

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	01/26/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	90	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/26/14	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/26/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/26/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		730	170	ug/Kg	01/26/14	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	01/26/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	01/26/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	01/26/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/26/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG03031

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/26/14	DD	SW 8270	
Anthracene	290		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benz(a)anthracene	850		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzidine	ND		730	210	ug/Kg	01/26/14	DD	SW 8270	
Benzo(a)pyrene	870		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(b)fluoranthene	1400		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(ghi)perylene	340		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(k)fluoranthene	420		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzoic acid	ND		1800	730	ug/Kg	01/26/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	94	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/26/14	DD	SW 8270	
Chrysene	920		250	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	01/26/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	01/26/14	DD	SW 8270	
Fluoranthene	1600		250	120	ug/Kg	01/26/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	300		250	120	ug/Kg	01/26/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Naphthalene	130	J	250	100	ug/Kg	01/26/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
Phenanthrene	990		250	100	ug/Kg	01/26/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
Pyrene	1500		250	130	ug/Kg	01/26/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/26/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	01/26/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	89				%	01/26/14	DD	30 - 115 %	
% 2-Fluorophenol	87				%	01/26/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 0-2

Phoenix I.D.: BG03031

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	88			%	01/26/14	DD	23 - 120 %
% Phenol-d5	92			%	01/26/14	DD	24 - 113 %
% Terphenyl-d14	87			%	01/26/14	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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03032

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 14-16

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	5710		35	7.0	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.9	*	0.7	0.70	mg/Kg	01/27/14	EK	SW6010
Barium	40.0		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.29		0.28	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	1840		35	32	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.15	B	0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	4.86		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	12.8		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	18.2	N	0.35	0.28	mg/kg	01/27/14	EK	SW6010
Iron	14500	*	35	35	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	1120	N	70	27	mg/Kg	01/27/14	EK	SW6010
Magnesium	2450		3.5	0.21	mg/Kg	01/27/14	EK	SW6010
Manganese	284	N	3.5	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	268	N	7	3.0	mg/Kg	01/27/14	EK	SW6010
Nickel	22.5		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	4.7	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.7		1.7	0.70	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	21.0		0.3	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	24.2	N	0.7	0.35	mg/Kg	01/27/14	EK	SW6010
Percent Solid	93				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 14-16

Phoenix I.D.: BG03032

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	97			%	01/28/14	AW	30 - 150 %
% TCMX	70			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/28/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	01/28/14	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	100			%	01/28/14	MH	30 - 150 %
% TCMX	87			%	01/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 14-16

Phoenix I.D.: BG03032

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.77	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.59	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.79	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.3	0.85	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.3	0.62	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.3	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.3	0.69	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.3	0.78	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.3	0.75	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.3	0.62	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.3	0.79	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.3	0.60	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.3	0.67	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.3	JS	5.3	0.87	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.3	0.96	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	106			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	01/26/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/26/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/26/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/26/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	01/26/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/26/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	01/26/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	01/26/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	01/26/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	01/26/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/26/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 14-16

Phoenix I.D.: BG03032

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthylene	ND	250	99	ug/Kg	01/26/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	01/26/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	01/26/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	01/26/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	01/26/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	01/26/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	01/26/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	01/26/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Isophorone	ND	250	99	ug/Kg	01/26/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	01/26/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/26/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	01/26/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/26/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	01/26/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	01/26/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	01/26/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	87			%	01/26/14	DD	30 - 115 %	
% 2-Fluorophenol	82			%	01/26/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB3 14-16

Phoenix I.D.: BG03032

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	01/26/14	DD	23 - 120 %
% Phenol-d5	88			%	01/26/14	DD	24 - 113 %
% Terphenyl-d14	93			%	01/26/14	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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03033

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	01/27/14	EK	SW6010
Aluminum	11600		33	6.7	mg/Kg	01/27/14	EK	SW6010
Arsenic	6.0	*	0.7	0.67	mg/Kg	01/27/14	EK	SW6010
Barium	257		0.7	0.13	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.52		0.27	0.13	mg/Kg	01/27/14	EK	SW6010
Calcium	8900		33	31	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.83		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Cobalt	13.0		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Chromium	28.9		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Copper	73.1	N	0.33	0.27	mg/kg	01/27/14	EK	SW6010
Iron	29300	*	33	33	mg/Kg	01/27/14	EK	SW6010
Mercury	1.84		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1890	N	67	26	mg/Kg	01/27/14	EK	SW6010
Magnesium	5650		33	2.0	mg/Kg	01/27/14	EK	SW6010
Manganese	575	N	3.3	1.3	mg/Kg	01/27/14	EK	SW6010
Sodium	677	N	7	2.9	mg/Kg	01/27/14	EK	SW6010
Nickel	44.7		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Lead	455	N*	6.7	2.0	mg/Kg	01/27/14	EK	SW6010
Antimony	1.2	B	1.7	0.67	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	01/27/14	EK	SW6010
Vanadium	36.0		0.3	0.13	mg/Kg	01/27/14	EK	SW6010
Zinc	395	N	6.7	3.3	mg/Kg	01/27/14	EK	SW6010
Percent Solid	89				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/29/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					01/29/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG03033

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	01/30/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	117			%	01/30/14	AW	30 - 150 %
% TCMX	66			%	01/30/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	01/30/14	MH	SW8081
d-BHC	ND	2.2	2.2	ug/Kg	01/30/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Endrin	ND	2.9	2.9	ug/Kg	01/30/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/30/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	01/30/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	01/30/14	MH	SW8081
QA/QC Surrogates							
% DCBP	103			%	01/30/14	MH	30 - 150 %
% TCMX	78			%	01/30/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	01/27/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	01/27/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	01/27/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	01/27/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG03033

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		280	40	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		280	40	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		280	75	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichlorobenzene	ND		280	31	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.80	ug/Kg	01/27/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		280	37	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		280	42	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.60	ug/Kg	01/27/14	HM	SW8260	
1,4-Dichlorobenzene	ND		280	44	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.94	ug/Kg	01/27/14	HM	SW8260	
2-Chlorotoluene	ND		280	45	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	01/27/14	HM	SW8260	
2-Isopropyltoluene	ND		280	39	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		280	33	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	01/27/14	HM	SW8260	
Acetone	ND		50	5.6	ug/Kg	01/27/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	01/27/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
Bromobenzene	ND		280	37	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.82	ug/Kg	01/27/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.70	ug/Kg	01/27/14	HM	SW8260	
Bromoform	ND		5.6	0.79	ug/Kg	01/27/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	01/27/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.91	ug/Kg	01/27/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.65	ug/Kg	01/27/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.83	ug/Kg	01/27/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	01/27/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	01/27/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.61	ug/Kg	01/27/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.63	ug/Kg	01/27/14	HM	SW8260	
Dibromomethane	ND		5.6	0.71	ug/Kg	01/27/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
Hexachlorobutadiene	ND		280	59	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		280	54	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	01/27/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	4.9	ug/Kg	01/27/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	01/27/14	HM	SW8260	
Methylene chloride	2.8	JS	5.6	0.92	ug/Kg	01/27/14	HM	SW8260	
Naphthalene	ND		280	75	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		280	51	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		280	51	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.6	2.1	ug/Kg	01/27/14	HM	SW8260	
p-Isopropyltoluene	ND		280	40	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND		280	53	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND		5.6	1.6	ug/Kg	01/27/14	HM	SW8260	
tert-Butylbenzene	ND		280	45	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	5.1	ug/Kg	01/27/14	HM	SW8260	1
Toluene	1.8	J	5.6	0.89	ug/Kg	01/27/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		560	520	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorofluoromethane	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.6	0.88	ug/Kg	01/27/14	HM	SW8260	
Vinyl chloride	ND		5.6	1.8	ug/Kg	01/27/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	97				%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	125				%	01/27/14	HM	70 - 130 %	
% Toluene-d8	89				%	01/27/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	01/26/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	01/26/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dichlorophenol	ND		260	130	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dimethylphenol	ND		260	92	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1900	260	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		260	150	ug/Kg	01/26/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
2-Chloronaphthalene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
2-Chlorophenol	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
2-Methylnaphthalene	110	J	260	110	ug/Kg	01/26/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	01/26/14	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	01/26/14	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	01/26/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	01/26/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		740	180	ug/Kg	01/26/14	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	01/26/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1900	400	ug/Kg	01/26/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/26/14	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	01/26/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	01/26/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG03033

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1900	170	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthene	270		260	110	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthylene	110	J	260	100	ug/Kg	01/26/14	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
Aniline	ND		1900	750	ug/Kg	01/26/14	DD	SW 8270	
Anthracene	510		260	120	ug/Kg	01/26/14	DD	SW 8270	
Benz(a)anthracene	1600		260	120	ug/Kg	01/26/14	DD	SW 8270	
Benzidine	ND		740	220	ug/Kg	01/26/14	DD	SW 8270	
Benzo(a)pyrene	1500		260	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(b)fluoranthene	2600		260	130	ug/Kg	01/26/14	DD	SW 8270	
Benzo(ghi)perylene	530		260	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(k)fluoranthene	770		260	120	ug/Kg	01/26/14	DD	SW 8270	
Benzoic acid	ND		1900	740	ug/Kg	01/26/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		260	96	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
Carbazole	310	J	1900	280	ug/Kg	01/26/14	DD	SW 8270	
Chrysene	1700		260	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenz(a,h)anthracene	160	J	260	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenzofuran	200	J	260	110	ug/Kg	01/26/14	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	01/26/14	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	01/26/14	DD	SW 8270	
Fluoranthene	3000		260	120	ug/Kg	01/26/14	DD	SW 8270	
Fluorene	300		260	120	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobenzene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachloroethane	ND		260	110	ug/Kg	01/26/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	490		260	120	ug/Kg	01/26/14	DD	SW 8270	
Isophorone	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	
Naphthalene	470		260	110	ug/Kg	01/26/14	DD	SW 8270	
Nitrobenzene	ND		260	130	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		260	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachloronitrobenzene	ND		260	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	01/26/14	DD	SW 8270	
Phenanthrene	2400		260	110	ug/Kg	01/26/14	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	01/26/14	DD	SW 8270	
Pyrene	2700		260	130	ug/Kg	01/26/14	DD	SW 8270	
Pyridine	ND		260	91	ug/Kg	01/26/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	100				%	01/26/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	77				%	01/26/14	DD	30 - 115 %	
% 2-Fluorophenol	78				%	01/26/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 0-2

Phoenix I.D.: BG03033

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	82			%	01/26/14	DD	23 - 120 %
% Phenol-d5	85			%	01/26/14	DD	24 - 113 %
% Terphenyl-d14	84			%	01/26/14	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03034

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 14-16

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	7830		35	7.0	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.1	*	0.7	0.70	mg/Kg	01/27/14	EK	SW6010
Barium	46.9		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.35		0.28	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	3500		35	32	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.35		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	7.10		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	29.7		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	21.3	N	0.35	0.28	mg/kg	01/27/14	EK	SW6010
Iron	17900	*	35	35	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	2930	N	70	27	mg/Kg	01/27/14	EK	SW6010
Magnesium	6880		35	2.1	mg/Kg	01/27/14	EK	SW6010
Manganese	381	N	3.5	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	362	N	7	3.0	mg/Kg	01/27/14	EK	SW6010
Nickel	50.4		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	6.3	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.7		1.7	0.70	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	30.7		0.3	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	41.3	N	0.7	0.35	mg/Kg	01/27/14	EK	SW6010
Percent Solid	93				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	JJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 14-16

Phoenix I.D.: BG03034

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	100			%	01/28/14	AW	30 - 150 %
% TCMX	73			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	01/28/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	101			%	01/28/14	MH	30 - 150 %
% TCMX	85			%	01/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 14-16

Phoenix I.D.: BG03034

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.75	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.3	0.46	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.83	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		26	2.4	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.3	0.61	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		26	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.2	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.3	0.68	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.3	0.77	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.3	0.65	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.3	0.85	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.3	0.66	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.5	JS	5.3	0.86	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.3	0.96	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.3	0.95	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.3	0.83	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	97			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	110			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	99			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	01/26/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	01/26/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	01/26/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	01/26/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	01/26/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	01/26/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	01/26/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	01/26/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	01/26/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	01/26/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	01/26/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	01/26/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	01/26/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	01/26/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 14-16

Phoenix I.D.: BG03034

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthylene	ND	240	97	ug/Kg	01/26/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Aniline	ND	1700	700	ug/Kg	01/26/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Benzidine	ND	700	200	ug/Kg	01/26/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Benzoic acid	ND	1700	700	ug/Kg	01/26/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	90	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	01/26/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	01/26/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	93	ug/Kg	01/26/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	90	ug/Kg	01/26/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	130	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Isophorone	ND	240	97	ug/Kg	01/26/14	DD	SW 8270	
Naphthalene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	98	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	01/26/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	01/26/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	01/26/14	DD	SW 8270	
Phenanthrene	ND	240	100	ug/Kg	01/26/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	01/26/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	01/26/14	DD	SW 8270	
Pyridine	ND	240	86	ug/Kg	01/26/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	68			%	01/26/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	65			%	01/26/14	DD	30 - 115 %	
% 2-Fluorophenol	63			%	01/26/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB8 14-16

Phoenix I.D.: BG03034

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	60			%	01/26/14	DD	23 - 120 %
% Phenol-d5	66			%	01/26/14	DD	24 - 113 %
% Terphenyl-d14	67			%	01/26/14	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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03035

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39		0.39	0.23	mg/Kg	01/27/14	EK	SW6010
Aluminum	7200		39	7.7	mg/Kg	01/27/14	EK	SW6010
Arsenic	6.5	*	0.8	0.77	mg/Kg	01/27/14	EK	SW6010
Barium	219		0.8	0.15	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.35		0.31	0.15	mg/Kg	01/27/14	EK	SW6010
Calcium	28400		39	36	mg/Kg	01/27/14	EK	SW6010
Cadmium	1.07		0.39	0.15	mg/Kg	01/27/14	EK	SW6010
Cobalt	4.76		0.39	0.15	mg/Kg	01/27/14	EK	SW6010
Chromium	20.8		0.39	0.15	mg/Kg	01/27/14	EK	SW6010
Copper	52.9	N	0.39	0.31	mg/kg	01/27/14	EK	SW6010
Iron	16300	*	39	39	mg/Kg	01/27/14	EK	SW6010
Mercury	1.42		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1180	N	77	30	mg/Kg	01/27/14	EK	SW6010
Magnesium	8510		39	2.3	mg/Kg	01/27/14	EK	SW6010
Manganese	247	N	3.9	1.5	mg/Kg	01/27/14	EK	SW6010
Sodium	371	N	8	3.3	mg/Kg	01/27/14	EK	SW6010
Nickel	19.4		0.39	0.15	mg/Kg	01/27/14	EK	SW6010
Lead	394	N*	7.7	2.3	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.9		1.9	0.77	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	01/27/14	EK	SW6010
Vanadium	25.2		0.4	0.15	mg/Kg	01/27/14	EK	SW6010
Zinc	411	N	7.7	3.9	mg/Kg	01/27/14	EK	SW6010
Percent Solid	91				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 0-2

Phoenix I.D.: BG03035

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	84			%	01/28/14	AW	30 - 150 %
% TCMX	59			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	9.9	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	4.5	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	110	22	22	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	2.7	2.7	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	2.5	2.5	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	94			%	01/29/14	MH	30 - 150 %
% TCMX	68			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 0-2

Phoenix I.D.: BG03035

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.5	0.78	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	110		5.5	0.79	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	49		5.5	0.73	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.5	0.88	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.5	0.76	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.5	0.64	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	27	JS	50	5.5	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.5	0.71	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	2.9	J	5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	2.2	J	5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	18		5.5	2.2	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	8.8	J	33	4.8	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.6	JS	5.5	0.90	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	79		5.5	1.5	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	3.6	J	5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	6.1		5.5	0.99	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	13		5.5	2.1	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	2.0	J	5.5	0.79	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	1.7	J	5.5	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND		5.5	0.88	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND		5.5	0.87	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.86	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	86				%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	75				%	01/26/14	HM	70 - 130 %	
% Toluene-d8	94				%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	01/26/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	90	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	01/26/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
2-Methylnaphthalene	190	J	250	110	ug/Kg	01/26/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/26/14	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/26/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/26/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		720	170	ug/Kg	01/26/14	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	01/26/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	01/26/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	01/26/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/26/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 0-2

Phoenix I.D.: BG03035

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthene	120	J	250	110	ug/Kg	01/26/14	DD	SW 8270	
Acenaphthylene	120	J	250	100	ug/Kg	01/26/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/26/14	DD	SW 8270	
Anthracene	300		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benz(a)anthracene	1000		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	01/26/14	DD	SW 8270	
Benzo(a)pyrene	1100		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(b)fluoranthene	1800		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(ghi)perylene	410		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzo(k)fluoranthene	650		250	120	ug/Kg	01/26/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	01/26/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	01/26/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/26/14	DD	SW 8270	
Chrysene	1100		250	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
Dibenzofuran	120	J	250	110	ug/Kg	01/26/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	01/26/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	01/26/14	DD	SW 8270	
Fluoranthene	1800		250	120	ug/Kg	01/26/14	DD	SW 8270	
Fluorene	140	J	250	120	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/26/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	360		250	120	ug/Kg	01/26/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
Naphthalene	230	J	250	100	ug/Kg	01/26/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/26/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/26/14	DD	SW 8270	
Phenanthrene	1400		250	100	ug/Kg	01/26/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/26/14	DD	SW 8270	
Pyrene	1600		250	120	ug/Kg	01/26/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/26/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	60				%	01/26/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	84				%	01/26/14	DD	30 - 115 %	
% 2-Fluorophenol	68				%	01/26/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 0-2

Phoenix I.D.: BG03035

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	01/26/14	DD	23 - 120 %
% Phenol-d5	80			%	01/26/14	DD	24 - 113 %
% Terphenyl-d14	83			%	01/26/14	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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03036

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 6-8

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	1640		3.5	0.71	mg/Kg	01/27/14	EK	SW6010
Arsenic	3.2	*	0.7	0.71	mg/Kg	01/27/14	EK	SW6010
Barium	57.4		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	< 0.28		0.28	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	3750		35	33	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.20	B	0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	0.93		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	5.68		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	17.5	N	0.35	0.28	mg/kg	01/27/14	EK	SW6010
Iron	4540	*	35	35	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	230	N	7	2.8	mg/Kg	01/27/14	EK	SW6010
Magnesium	355		3.5	0.21	mg/Kg	01/27/14	EK	SW6010
Manganese	51.3	N	0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Sodium	62	N	7	3.0	mg/Kg	01/27/14	EK	SW6010
Nickel	2.93		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	103	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.71	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	5.6		0.4	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	85.4	N	0.7	0.35	mg/Kg	01/27/14	EK	SW6010
Percent Solid	98				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 6-8

Phoenix I.D.: BG03036

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	33	33	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	96			%	01/28/14	AW	30 - 150 %
% TCMX	69			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	01/28/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	01/28/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	01/28/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
a-Chlordane	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	01/28/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Endosulfan II	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Endosulfan sulfate	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endrin aldehyde	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-Chlordane	ND	3.3	3.3	ug/Kg	01/28/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Methoxychlor	ND	6.7	6.7	ug/Kg	01/28/14	MH	SW8081
Toxaphene	ND	32	32	ug/Kg	01/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	97			%	01/28/14	MH	30 - 150 %
% TCMX	88			%	01/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	0.84	ug/Kg	01/27/14	PL	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	01/27/14	PL	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	01/27/14	PL	SW8260
1,1,2-Trichloroethane	ND	5.1	0.50	ug/Kg	01/27/14	PL	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	01/27/14	PL	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	01/27/14	PL	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 6-8

Phoenix I.D.: BG03036

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.1	0.99	ug/Kg	01/27/14	PL	SW8260	
1,2,3-Trichlorobenzene	ND		260	51	ug/Kg	01/27/14	PL	SW8260	
1,2,3-Trichloropropane	ND		260	36	ug/Kg	01/27/14	PL	SW8260	
1,2,4-Trichlorobenzene	ND		260	51	ug/Kg	01/27/14	PL	SW8260	
1,2,4-Trimethylbenzene	ND		260	37	ug/Kg	01/27/14	PL	SW8260	
1,2-Dibromo-3-chloropropane	ND		260	68	ug/Kg	01/27/14	PL	SW8260	
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	01/27/14	PL	SW8260	
1,2-Dichlorobenzene	ND		260	28	ug/Kg	01/27/14	PL	SW8260	
1,2-Dichloroethane	ND		5.1	0.45	ug/Kg	01/27/14	PL	SW8260	
1,2-Dichloropropane	ND		5.1	0.72	ug/Kg	01/27/14	PL	SW8260	
1,3,5-Trimethylbenzene	ND		260	34	ug/Kg	01/27/14	PL	SW8260	
1,3-Dichlorobenzene	ND		260	38	ug/Kg	01/27/14	PL	SW8260	
1,3-Dichloropropane	ND		5.1	0.54	ug/Kg	01/27/14	PL	SW8260	
1,4-Dichlorobenzene	ND		260	40	ug/Kg	01/27/14	PL	SW8260	
2,2-Dichloropropane	ND		5.1	0.86	ug/Kg	01/27/14	PL	SW8260	
2-Chlorotoluene	ND		260	41	ug/Kg	01/27/14	PL	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	01/27/14	PL	SW8260	
2-Isopropyltoluene	ND		260	35	ug/Kg	01/27/14	PL	SW8260	1
4-Chlorotoluene	ND		260	30	ug/Kg	01/27/14	PL	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	01/27/14	PL	SW8260	
Acetone	8.6	JS	50	5.1	ug/Kg	01/27/14	PL	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	01/27/14	PL	SW8260	
Benzene	2.7	J	5.1	1.0	ug/Kg	01/27/14	PL	SW8260	
Bromobenzene	ND		260	33	ug/Kg	01/27/14	PL	SW8260	
Bromochloromethane	ND		5.1	0.74	ug/Kg	01/27/14	PL	SW8260	
Bromodichloromethane	ND		5.1	0.63	ug/Kg	01/27/14	PL	SW8260	
Bromoform	ND		5.1	0.71	ug/Kg	01/27/14	PL	SW8260	
Bromomethane	ND		5.1	3.9	ug/Kg	01/27/14	PL	SW8260	
Carbon Disulfide	ND		5.1	0.83	ug/Kg	01/27/14	PL	SW8260	
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	01/27/14	PL	SW8260	
Chlorobenzene	ND		5.1	0.76	ug/Kg	01/27/14	PL	SW8260	
Chloroethane	ND		5.1	1.2	ug/Kg	01/27/14	PL	SW8260	
Chloroform	ND		5.1	0.93	ug/Kg	01/27/14	PL	SW8260	
Chloromethane	ND		5.1	2.7	ug/Kg	01/27/14	PL	SW8260	
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	01/27/14	PL	SW8260	
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	01/27/14	PL	SW8260	
Dibromochloromethane	ND		5.1	0.57	ug/Kg	01/27/14	PL	SW8260	
Dibromomethane	ND		5.1	0.64	ug/Kg	01/27/14	PL	SW8260	
Dichlorodifluoromethane	ND		5.1	1.4	ug/Kg	01/27/14	PL	SW8260	
Ethylbenzene	1.7	J	5.1	0.93	ug/Kg	01/27/14	PL	SW8260	
Hexachlorobutadiene	ND		260	54	ug/Kg	01/27/14	PL	SW8260	
Isopropylbenzene	ND		260	49	ug/Kg	01/27/14	PL	SW8260	
m&p-Xylene	13		5.1	2.0	ug/Kg	01/27/14	PL	SW8260	
Methyl Ethyl Ketone	ND		31	4.4	ug/Kg	01/27/14	PL	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	01/27/14	PL	SW8260	
Methylene chloride	2.1	JS	5.1	0.84	ug/Kg	01/27/14	PL	SW8260	
Naphthalene	ND		260	68	ug/Kg	01/27/14	PL	SW8260	
n-Butylbenzene	ND		260	46	ug/Kg	01/27/14	PL	SW8260	
n-Propylbenzene	ND		260	46	ug/Kg	01/27/14	PL	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	4.6	J	5.1	1.9	ug/Kg	01/27/14	PL	SW8260	
p-Isopropyltoluene	ND		260	37	ug/Kg	01/27/14	PL	SW8260	
sec-Butylbenzene	ND		260	48	ug/Kg	01/27/14	PL	SW8260	
Styrene	ND		5.1	1.5	ug/Kg	01/27/14	PL	SW8260	
tert-Butylbenzene	ND		260	41	ug/Kg	01/27/14	PL	SW8260	
Tetrachloroethene	ND		5.1	1.1	ug/Kg	01/27/14	PL	SW8260	
Tetrahydrofuran (THF)	ND		10	4.6	ug/Kg	01/27/14	PL	SW8260	1
Toluene	13		5.1	0.81	ug/Kg	01/27/14	PL	SW8260	
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	01/27/14	PL	SW8260	
trans-1,3-Dichloropropene	ND		5.1	1.0	ug/Kg	01/27/14	PL	SW8260	
trans-1,4-dichloro-2-butene	ND		510	470	ug/Kg	01/27/14	PL	SW8260	
Trichloroethene	ND		5.1	1.1	ug/Kg	01/27/14	PL	SW8260	
Trichlorofluoromethane	ND		5.1	1.1	ug/Kg	01/27/14	PL	SW8260	
Trichlorotrifluoroethane	ND		5.1	0.80	ug/Kg	01/27/14	PL	SW8260	
Vinyl chloride	ND		5.1	1.7	ug/Kg	01/27/14	PL	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	01/27/14	PL	70 - 121 %	
% Bromofluorobenzene	97				%	01/27/14	PL	59 - 113 %	
% Dibromofluoromethane	109				%	01/27/14	PL	70 - 130 %	
% Toluene-d8	93				%	01/27/14	PL	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		230	94	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		230	99	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		230	99	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		230	180	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND		230	83	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1700	230	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		230	130	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND		230	95	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND		230	95	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		230	160	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND		1700	340	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND		230	210	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		230	130	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		670	160	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND		1700	730	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1700	360	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		230	98	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND		670	160	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND		1700	110	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 6-8

Phoenix I.D.: BG03036

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1700	150	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		230	94	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1700	680	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	460		230	110	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		670	200	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	510		230	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	700		230	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	610		230	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	210	J	230	110	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1700	670	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		230	86	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		230	92	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		230	90	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		230	93	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	260		230	96	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1700	250	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	510		230	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		230	98	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		230	89	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		230	86	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	590		230	110	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		230	98	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		230	100	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	440		230	110	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		230	94	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND		230	96	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		230	94	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		230	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		230	120	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		230	130	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	310		230	96	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		230	110	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	550		230	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		230	82	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	74				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	79				%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB4 6-8

Phoenix I.D.: BG03036

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	01/27/14	DD	23 - 120 %
% Phenol-d5	85			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	73			%	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.

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03037

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38		0.38	0.23	mg/Kg	01/27/14	EK	SW6010
Aluminum	7560		38	7.7	mg/Kg	01/27/14	EK	SW6010
Arsenic	2.6	*	0.8	0.77	mg/Kg	01/27/14	EK	SW6010
Barium	48.4		0.8	0.15	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.35		0.31	0.15	mg/Kg	01/27/14	EK	SW6010
Calcium	48200		38	35	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.19	B	0.38	0.15	mg/Kg	01/27/14	EK	SW6010
Cobalt	3.15		0.38	0.15	mg/Kg	01/27/14	EK	SW6010
Chromium	12.9		0.38	0.15	mg/Kg	01/27/14	EK	SW6010
Copper	17.6	N	0.38	0.31	mg/kg	01/27/14	EK	SW6010
Iron	13300	*	38	38	mg/Kg	01/27/14	EK	SW6010
Mercury	0.07		0.06	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	939	N	77	30	mg/Kg	01/27/14	EK	SW6010
Magnesium	10900		38	2.3	mg/Kg	01/27/14	EK	SW6010
Manganese	201	N	3.8	1.5	mg/Kg	01/27/14	EK	SW6010
Sodium	812	N	77	33	mg/Kg	01/27/14	EK	SW6010
Nickel	10.6		0.38	0.15	mg/Kg	01/27/14	EK	SW6010
Lead	40.8	N*	0.8	0.23	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.9		1.9	0.77	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.5		1.5	1.3	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	01/27/14	EK	SW6010
Vanadium	39.6		0.4	0.15	mg/Kg	01/27/14	EK	SW6010
Zinc	52.8	N	0.8	0.38	mg/Kg	01/27/14	EK	SW6010
Percent Solid	89				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 0-2

Phoenix I.D.: BG03037

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	96			%	01/28/14	AW	30 - 150 %
% TCMX	80			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	13	13	ug/Kg	01/30/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	01/30/14	MH	SW8081
4,4' -DDT	ND	13	13	ug/Kg	01/30/14	MH	SW8081
a-BHC	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Aldrin	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
b-BHC	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	01/30/14	MH	SW8081
d-BHC	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Dieldrin	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endrin	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endrin ketone	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
g-BHC	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Heptachlor	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Heptachlor epoxide	ND	9.2	9.2	ug/Kg	01/30/14	MH	SW8081
Methoxychlor	ND	37	37	ug/Kg	01/30/14	MH	SW8081
Toxaphene	ND	920	920	ug/Kg	01/30/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	01/30/14	MH	30 - 150 %
% TCMX	Diluted Out			%	01/30/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 0-2

Phoenix I.D.: BG03037

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.6	0.80	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.6	0.81	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.6	1.5	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.6	0.62	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.80	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.6	0.74	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.6	0.83	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.60	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.6	0.89	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.94	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.6	0.90	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.6	0.78	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.6	0.65	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.6	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.2	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.6	0.73	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.82	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.70	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.6	0.79	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.91	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.65	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.83	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.61	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.63	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.6	0.71	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.6	1.2	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		34	4.9	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.3	JS	5.6	0.92	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.6	1.5	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.6	1.0	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.6	1.0	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.6	0.89	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	108			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	85			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	104			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	1300	640	ug/Kg	01/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	1300	550	ug/Kg	01/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	1300	520	ug/Kg	01/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	1300	600	ug/Kg	01/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	1300	540	ug/Kg	01/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	1300	540	ug/Kg	01/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	1300	1000	ug/Kg	01/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1300	580	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	1300	640	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	1300	450	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	9100	1300	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	1300	720	ug/Kg	01/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	1300	580	ug/Kg	01/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	1300	520	ug/Kg	01/28/14	DD	SW 8270	
2-Chlorophenol	ND	1300	520	ug/Kg	01/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	1300	540	ug/Kg	01/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	1300	860	ug/Kg	01/28/14	DD	SW 8270	
2-Nitroaniline	ND	9100	1800	ug/Kg	01/28/14	DD	SW 8270	
2-Nitrophenol	ND	1300	1200	ug/Kg	01/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	1300	720	ug/Kg	01/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	3700	860	ug/Kg	01/28/14	DD	SW 8270	
3-Nitroaniline	ND	9100	4000	ug/Kg	01/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	9100	2000	ug/Kg	01/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	1300	540	ug/Kg	01/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	1300	640	ug/Kg	01/28/14	DD	SW 8270	
4-Chloroaniline	ND	3700	850	ug/Kg	01/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	1300	610	ug/Kg	01/28/14	DD	SW 8270	
4-Nitroaniline	ND	9100	610	ug/Kg	01/28/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 0-2

Phoenix I.D.: BG03037

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		9100	830	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthene	ND		1300	560	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthylene	ND		1300	510	ug/Kg	01/28/14	DD	SW 8270	
Acetophenone	ND		1300	570	ug/Kg	01/28/14	DD	SW 8270	
Aniline	ND		9100	3700	ug/Kg	01/28/14	DD	SW 8270	
Anthracene	ND		1300	600	ug/Kg	01/28/14	DD	SW 8270	
Benz(a)anthracene	830	J	1300	610	ug/Kg	01/28/14	DD	SW 8270	
Benzidine	ND		3700	1100	ug/Kg	01/28/14	DD	SW 8270	
Benzo(a)pyrene	650	J	1300	600	ug/Kg	01/28/14	DD	SW 8270	
Benzo(b)fluoranthene	1200	J	1300	620	ug/Kg	01/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND		1300	590	ug/Kg	01/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		1300	610	ug/Kg	01/28/14	DD	SW 8270	
Benzoic acid	ND		9100	3700	ug/Kg	01/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		1300	470	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		1300	500	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		1300	490	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		1300	510	ug/Kg	01/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		1300	530	ug/Kg	01/28/14	DD	SW 8270	
Carbazole	ND		9100	1400	ug/Kg	01/28/14	DD	SW 8270	
Chrysene	910	J	1300	610	ug/Kg	01/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		1300	590	ug/Kg	01/28/14	DD	SW 8270	
Dibenzofuran	ND		1300	530	ug/Kg	01/28/14	DD	SW 8270	
Diethyl phthalate	ND		1300	580	ug/Kg	01/28/14	DD	SW 8270	
Dimethylphthalate	ND		1300	570	ug/Kg	01/28/14	DD	SW 8270	
Di-n-butylphthalate	ND		1300	490	ug/Kg	01/28/14	DD	SW 8270	
Di-n-octylphthalate	ND		1300	470	ug/Kg	01/28/14	DD	SW 8270	
Fluoranthene	1800		1300	590	ug/Kg	01/28/14	DD	SW 8270	
Fluorene	ND		1300	600	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobenzene	ND		1300	530	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobutadiene	ND		1300	660	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		1300	560	ug/Kg	01/28/14	DD	SW 8270	
Hexachloroethane	ND		1300	550	ug/Kg	01/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		1300	610	ug/Kg	01/28/14	DD	SW 8270	
Isophorone	ND		1300	510	ug/Kg	01/28/14	DD	SW 8270	
Naphthalene	ND		1300	530	ug/Kg	01/28/14	DD	SW 8270	
Nitrobenzene	ND		1300	640	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		1300	520	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		1300	590	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		1300	700	ug/Kg	01/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND		1300	680	ug/Kg	01/28/14	DD	SW 8270	
Pentachlorophenol	ND		1300	690	ug/Kg	01/28/14	DD	SW 8270	
Phenanthrene	760	J	1300	520	ug/Kg	01/28/14	DD	SW 8270	
Phenol	ND		1300	580	ug/Kg	01/28/14	DD	SW 8270	
Pyrene	1500		1300	630	ug/Kg	01/28/14	DD	SW 8270	
Pyridine	ND		1300	450	ug/Kg	01/28/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	100				%	01/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	89				%	01/28/14	DD	30 - 115 %	
% 2-Fluorophenol	90				%	01/28/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 0-2

Phoenix I.D.: BG03037

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	77			%	01/28/14	DD	23 - 120 %
% Phenol-d5	100			%	01/28/14	DD	24 - 113 %
% Terphenyl-d14	89			%	01/28/14	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03038

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	6210		35	6.9	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.3	*	0.7	0.69	mg/Kg	01/27/14	EK	SW6010
Barium	37.1		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.33		0.28	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	3630		35	32	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.35		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	4.65		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	14.8		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	22.4	N	0.35	0.28	mg/kg	01/27/14	EK	SW6010
Iron	13000	*	35	35	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1550	N	69	27	mg/Kg	01/27/14	EK	SW6010
Magnesium	2780		3.5	0.21	mg/Kg	01/27/14	EK	SW6010
Manganese	347	N	3.5	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	281	N	7	3.0	mg/Kg	01/27/14	EK	SW6010
Nickel	26.4		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	5.5	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.7		1.7	0.69	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	21.4		0.3	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	58.3	N	0.7	0.35	mg/Kg	01/27/14	EK	SW6010
Percent Solid	94				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 8-10

Phoenix I.D.: BG03038

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	01/28/14	AW	30 - 150 %
% TCMX	75			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/28/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	01/28/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	01/28/14	MH	SW8081
Methoxychlor	ND	6.9	6.9	ug/Kg	01/28/14	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	106			%	01/28/14	MH	30 - 150 %
% TCMX	90			%	01/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 8-10

Phoenix I.D.: BG03038

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.3	0.77	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.3	0.59	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.3	0.76	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.3	0.70	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.3	0.79	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.3	0.56	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.3	0.89	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.3	0.85	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.3	0.73	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.3	0.62	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.3	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.3	0.69	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.3	0.78	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.3	0.62	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.3	0.79	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.3	0.60	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.3	0.67	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.6	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.4	JS	5.3	0.87	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.3	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.3	0.97	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.3	0.96	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	2.0	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.3	0.84	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	95			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	98			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 8-10

Phoenix I.D.: BG03038

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND	250	99	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND	250	99	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	84			%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	80			%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	83			%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB9 8-10

Phoenix I.D.: BG03038

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	90			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03039

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	01/27/14	EK	SW6010
Aluminum	7130		36	7.3	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.7	*	0.7	0.73	mg/Kg	01/27/14	EK	SW6010
Barium	42.8		0.7	0.15	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.35		0.29	0.15	mg/Kg	01/27/14	EK	SW6010
Calcium	3590		36	33	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.18	B	0.36	0.15	mg/Kg	01/27/14	EK	SW6010
Cobalt	10.5		0.36	0.15	mg/Kg	01/27/14	EK	SW6010
Chromium	33.0		0.36	0.15	mg/Kg	01/27/14	EK	SW6010
Copper	23.9	N	0.36	0.29	mg/kg	01/27/14	EK	SW6010
Iron	18000	*	36	36	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1120	N	73	28	mg/Kg	01/27/14	EK	SW6010
Magnesium	3030		3.6	0.22	mg/Kg	01/27/14	EK	SW6010
Manganese	359	N	3.6	1.5	mg/Kg	01/27/14	EK	SW6010
Sodium	573	N	7	3.1	mg/Kg	01/27/14	EK	SW6010
Nickel	75.1		0.36	0.15	mg/Kg	01/27/14	EK	SW6010
Lead	32.2	N*	0.7	0.22	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.73	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	01/27/14	EK	SW6010
Vanadium	24.6		0.4	0.15	mg/Kg	01/27/14	EK	SW6010
Zinc	44.6	N	0.7	0.36	mg/Kg	01/27/14	EK	SW6010
Percent Solid	93				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 0-2

Phoenix I.D.: BG03039

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	01/28/14	AW	30 - 150 %
% TCMX	74			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	01/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/28/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	01/28/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/28/14	MH	SW8081
QA/QC Surrogates							
% DCBP	105			%	01/28/14	MH	30 - 150 %
% TCMX	93			%	01/28/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 0-2

Phoenix I.D.: BG03039

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	13	JS	50	5.3	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.5	JS	5.4	0.88	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	86			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	80			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	93			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	98	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	700	160	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 0-2

Phoenix I.D.: BG03039

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND	240	97	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND	1700	700	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND	700	200	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND	1700	700	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	90	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	94	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	93	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	90	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND	240	97	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	98	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	ND	240	99	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND	240	86	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	73			%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	85			%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 0-2

Phoenix I.D.: BG03039

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	01/27/14	DD	23 - 120 %
% Phenol-d5	89			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	74			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03040

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 6-8

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	01/27/14	EK	SW6010
Aluminum	6860		33	6.6	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.2	*	0.7	0.66	mg/Kg	01/27/14	EK	SW6010
Barium	38.9		0.7	0.13	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.32		0.27	0.13	mg/Kg	01/27/14	EK	SW6010
Calcium	3510		33	30	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.33		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Cobalt	5.16		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Chromium	30.5		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Copper	26.4	N	0.33	0.27	mg/kg	01/27/14	EK	SW6010
Iron	14900	*	33	33	mg/Kg	01/27/14	EK	SW6010
Mercury	0.09		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	1240	N	66	26	mg/Kg	01/27/14	EK	SW6010
Magnesium	2920		3.3	0.20	mg/Kg	01/27/14	EK	SW6010
Manganese	259	N	3.3	1.3	mg/Kg	01/27/14	EK	SW6010
Sodium	606	N	7	2.8	mg/Kg	01/27/14	EK	SW6010
Nickel	25.1		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Lead	15.0	N*	0.7	0.20	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.7		1.7	0.66	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	01/27/14	EK	SW6010
Vanadium	27.0		0.3	0.13	mg/Kg	01/27/14	EK	SW6010
Zinc	39.7	N	0.7	0.33	mg/Kg	01/27/14	EK	SW6010
Percent Solid	92				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 6-8

Phoenix I.D.: BG03040

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	01/28/14	AW	30 - 150 %
% TCMX	70			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.5	2.5	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	105			%	01/29/14	MH	30 - 150 %
% TCMX	89			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 6-8

Phoenix I.D.: BG03040

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.3	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.5	JS	5.4	0.88	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	105			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB5 6-8

Phoenix I.D.: BG03040

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	160	J	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	190	J	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	97	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	480		250	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	290		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	510		250	120	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	300		250	100	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	390		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	99				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	83				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	94				%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY

Client ID: SB5 6-8

Phoenix I.D.: BG03040

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	90			%	01/27/14	DD	23 - 120 %
% Phenol-d5	100			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	82			%	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.

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

February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03041

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	01/27/14	EK	SW6010
Aluminum	7500		37	7.3	mg/Kg	01/27/14	EK	SW6010
Arsenic	2.0	*	0.7	0.73	mg/Kg	01/27/14	EK	SW6010
Barium	52.6		0.7	0.15	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.31		0.29	0.15	mg/Kg	01/27/14	EK	SW6010
Calcium	31800		37	34	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.37		0.37	0.15	mg/Kg	01/27/14	EK	SW6010
Cobalt	4.33		0.37	0.15	mg/Kg	01/27/14	EK	SW6010
Chromium	16.1		0.37	0.15	mg/Kg	01/27/14	EK	SW6010
Copper	19.7	N	0.37	0.29	mg/kg	01/27/14	EK	SW6010
Iron	12800	*	37	37	mg/Kg	01/27/14	EK	SW6010
Mercury	0.20		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1260	N	73	29	mg/Kg	01/27/14	EK	SW6010
Magnesium	5480		3.7	0.22	mg/Kg	01/27/14	EK	SW6010
Manganese	244	N	3.7	1.5	mg/Kg	01/27/14	EK	SW6010
Sodium	433	N	7	3.2	mg/Kg	01/27/14	EK	SW6010
Nickel	16.0		0.37	0.15	mg/Kg	01/27/14	EK	SW6010
Lead	41.5	N*	0.7	0.22	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.73	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.5		1.5	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.5		1.5	1.5	mg/Kg	01/27/14	EK	SW6010
Vanadium	23.1		0.4	0.15	mg/Kg	01/27/14	EK	SW6010
Zinc	54.3	N	0.7	0.37	mg/Kg	01/27/14	EK	SW6010
Percent Solid	92				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 0-2

Phoenix I.D.: BG03041

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	97			%	01/28/14	AW	30 - 150 %
% TCMX	76			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	5.0	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	49	21	21	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	2.1	2.1	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	114			%	01/29/14	MH	30 - 150 %
% TCMX	89			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	01/28/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	01/28/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 0-2

Phoenix I.D.: BG03041

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trimethylbenzene	2.1	J	5.4	0.78	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	01/28/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	01/28/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	01/28/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	01/28/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	01/28/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/28/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	01/28/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	01/28/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/28/14	HM	SW8260	
Acetone	25	JS	50	5.4	ug/Kg	01/28/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/28/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	01/28/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	01/28/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/28/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	01/28/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	01/28/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	01/28/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	01/28/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/28/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/28/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/28/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	01/28/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	01/28/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/28/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	01/28/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	01/28/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/28/14	HM	SW8260	
Methylene chloride	1.8	JS	5.4	0.89	ug/Kg	01/28/14	HM	SW8260	
Naphthalene	3.3	J	5.4	1.5	ug/Kg	01/28/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	01/28/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	01/28/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	01/28/14	HM	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	01/28/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	01/28/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	01/28/14	HM	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	01/28/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/28/14	HM	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	01/28/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	01/28/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/28/14	HM	70 - 121 %	
% Bromofluorobenzene	88			%	01/28/14	HM	59 - 113 %	
% Dibromofluoromethane	71			%	01/28/14	HM	70 - 130 %	
% Toluene-d8	94			%	01/28/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	89	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 0-2

Phoenix I.D.: BG03041

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	160	J	250	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	580		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	540		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	690		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	300		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	320		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	94	J	250	93	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	97	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	210	J	250	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	600		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	110	J	250	93	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	910		250	120	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	280		250	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	850		250	100	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	840		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	37				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	80				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	71				%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 0-2

Phoenix I.D.: BG03041

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	88			%	01/27/14	DD	23 - 120 %
% Phenol-d5	90			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	83			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03042

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 6-8

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	7600		36	7.1	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.5	*	0.7	0.71	mg/Kg	01/27/14	EK	SW6010
Barium	53.8		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.45		0.29	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	3650		36	33	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.25	B	0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	5.21		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	18.2		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	35.1	N	0.36	0.29	mg/kg	01/27/14	EK	SW6010
Iron	23800	*	36	36	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	967	N	71	28	mg/Kg	01/27/14	EK	SW6010
Magnesium	2750		3.6	0.21	mg/Kg	01/27/14	EK	SW6010
Manganese	452	N	3.6	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	641	N	7	3.1	mg/Kg	01/27/14	EK	SW6010
Nickel	22.0		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	4.9	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.71	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	29.7		0.4	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	25.4	N	0.7	0.36	mg/Kg	01/27/14	EK	SW6010
Percent Solid	96				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 6-8

Phoenix I.D.: BG03042

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	34	34	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	95			%	01/28/14	AW	30 - 150 %
% TCMX	78			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Chlordane	ND	20	20	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.7	1.7	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	6.8	6.8	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	102			%	01/29/14	MH	30 - 150 %
% TCMX	84			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	0.85	ug/Kg	01/26/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.2	1.0	ug/Kg	01/26/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	0.74	ug/Kg	01/26/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.2	0.51	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	01/26/14	HM	SW8260
1,1-Dichloroethene	ND	5.2	1.1	ug/Kg	01/26/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 6-8

Phoenix I.D.: BG03042

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.2	0.74	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.2	0.75	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.2	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.2	0.57	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND		5.2	0.46	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND		5.2	0.74	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.2	0.69	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.2	0.77	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND		5.2	0.55	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.2	0.82	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND		5.2	0.88	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND		5.2	0.83	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND		26	2.3	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND		5.2	0.72	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND		5.2	0.60	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		50	5.2	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		10	2.9	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.2	0.68	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.2	0.76	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.2	0.65	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.2	0.73	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.2	4.0	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.2	0.84	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.2	0.60	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.2	0.77	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.2	1.2	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.2	0.95	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.2	2.7	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.2	1.1	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.2	0.56	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		5.2	0.58	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.2	0.66	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.2	1.4	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.2	0.95	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.2	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.2	2.1	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		31	4.5	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.3	JS	5.2	0.85	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.2	1.4	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.2	0.95	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.2	0.94	ug/Kg	01/26/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	2.0	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND	5.2	0.75	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND	5.2	0.98	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND	5.2	1.5	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND	5.2	0.83	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND	5.2	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	10	4.7	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND	5.2	0.82	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.2	1.0	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.2	1.1	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	10	9.7	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND	5.2	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND	5.2	1.2	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.2	0.81	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND	5.2	1.7	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	94			%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	102			%	01/26/14	HM	70 - 130 %	
% Toluene-d8	98			%	01/26/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	240	97	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1700	240	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	240	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	690	160	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1700	370	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 6-8

Phoenix I.D.: BG03042

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1700	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND	240	96	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND	1700	690	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND	690	200	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND	1700	690	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240	89	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	240	93	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	91	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	89	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND	240	100	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND	240	96	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND	240	99	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	ND	240	98	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND	240	85	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	67			%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	78			%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB6 6-8

Phoenix I.D.: BG03042

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	70			%	01/27/14	DD	23 - 120 %
% Phenol-d5	83			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	64			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03043

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	7380		35	7.0	mg/Kg	01/27/14	EK	SW6010
Arsenic	4.2	*	0.7	0.70	mg/Kg	01/27/14	EK	SW6010
Barium	158		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.33		0.28	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	10500		350	320	mg/Kg	01/27/14	EK	SW6010
Cadmium	1.26		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	4.71		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	18.8		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	86.8	N	0.35	0.28	mg/kg	01/27/14	EK	SW6010
Iron	16700	*	350	350	mg/Kg	01/27/14	EK	SW6010
Mercury	1.74		0.09	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	999	N	70	27	mg/Kg	01/27/14	EK	SW6010
Magnesium	3170		3.5	0.21	mg/Kg	01/27/14	EK	SW6010
Manganese	282	N	3.5	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	687	N	7	3.0	mg/Kg	01/27/14	EK	SW6010
Nickel	26.8		0.35	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	401	N*	7.0	2.1	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.70	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	27.9		0.4	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	5320	N	70	35	mg/Kg	01/27/14	EK	SW6010
Percent Solid	90				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG03043

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	47	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	01/28/14	AW	30 - 150 %
% TCMX	73			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	7.5	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	28	22	22	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	92			%	01/29/14	MH	30 - 150 %
% TCMX	72			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	01/27/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	01/27/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	01/27/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	01/27/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG03043

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.6	0.79	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	1.3	J	5.6	0.80	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.6	0.61	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.79	ug/Kg	01/27/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.6	0.73	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.6	0.82	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.59	ug/Kg	01/27/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.6	0.88	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.93	ug/Kg	01/27/14	HM	SW8260	
2-Chlorotoluene	ND		5.6	0.89	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	01/27/14	HM	SW8260	
2-Isopropyltoluene	ND		5.6	0.77	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		5.6	0.64	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	01/27/14	HM	SW8260	
Acetone	ND		50	5.5	ug/Kg	01/27/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/27/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
Bromobenzene	ND		5.6	0.72	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.81	ug/Kg	01/27/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.69	ug/Kg	01/27/14	HM	SW8260	
Bromoform	ND		5.6	0.78	ug/Kg	01/27/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	01/27/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.90	ug/Kg	01/27/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.64	ug/Kg	01/27/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.82	ug/Kg	01/27/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	01/27/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	01/27/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.60	ug/Kg	01/27/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.62	ug/Kg	01/27/14	HM	SW8260	
Dibromomethane	ND		5.6	0.70	ug/Kg	01/27/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
Hexachlorobutadiene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	ND		5.6	2.2	ug/Kg	01/27/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	01/27/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/27/14	HM	SW8260	
Methylene chloride	1.5	JS	5.6	0.91	ug/Kg	01/27/14	HM	SW8260	
Naphthalene	3.8	J	5.6	1.5	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.6	2.1	ug/Kg	01/27/14	HM	SW8260	
p-Isopropyltoluene	ND		5.6	0.80	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND		5.6	1.0	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND		5.6	1.6	ug/Kg	01/27/14	HM	SW8260	
tert-Butylbenzene	ND		5.6	0.89	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	5.0	ug/Kg	01/27/14	HM	SW8260	1
Toluene	ND		5.6	0.88	ug/Kg	01/27/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.6	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		11	10	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorofluoromethane	ND		5.6	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.6	0.87	ug/Kg	01/27/14	HM	SW8260	
Vinyl chloride	ND		5.6	1.8	ug/Kg	01/27/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	92				%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	111				%	01/27/14	HM	70 - 130 %	
% Toluene-d8	96				%	01/27/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	90	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	130	J	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		720	170	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	390	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG03043

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	260		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	750		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	800		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	1100		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	400		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	380		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	830		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	370		250	96	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	1400		250	120	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	360		250	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	120	J	250	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	1200		250	100	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	1200		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	88				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	72				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	88				%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 0-2

Phoenix I.D.: BG03043

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	01/27/14	DD	23 - 120 %
% Phenol-d5	93			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	75			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03044

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 5-7

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32		0.32	0.19	mg/Kg	01/27/14	EK	SW6010
Aluminum	6260		32	6.5	mg/Kg	01/27/14	EK	SW6010
Arsenic	2.4	*	0.6	0.65	mg/Kg	01/27/14	EK	SW6010
Barium	88.5		0.6	0.13	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.27		0.26	0.13	mg/Kg	01/27/14	EK	SW6010
Calcium	2750		32	30	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.35		0.32	0.13	mg/Kg	01/27/14	EK	SW6010
Cobalt	5.43		0.32	0.13	mg/Kg	01/27/14	EK	SW6010
Chromium	23.5		0.32	0.13	mg/Kg	01/27/14	EK	SW6010
Copper	34.3	N	0.32	0.26	mg/kg	01/27/14	EK	SW6010
Iron	14100	*	32	32	mg/Kg	01/27/14	EK	SW6010
Mercury	0.19		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1000	N	65	25	mg/Kg	01/27/14	EK	SW6010
Magnesium	2010		3.2	0.19	mg/Kg	01/27/14	EK	SW6010
Manganese	408	N	3.2	1.3	mg/Kg	01/27/14	EK	SW6010
Sodium	134	N	6	2.8	mg/Kg	01/27/14	EK	SW6010
Nickel	16.3		0.32	0.13	mg/Kg	01/27/14	EK	SW6010
Lead	125	N*	0.6	0.19	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.6		1.6	0.65	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	01/27/14	EK	SW6010
Vanadium	22.8		0.3	0.13	mg/Kg	01/27/14	EK	SW6010
Zinc	300	N	6.5	3.2	mg/Kg	01/27/14	EK	SW6010
Percent Solid	92				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 5-7

Phoenix I.D.: BG03044

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	88			%	01/28/14	AW	30 - 150 %
% TCMX	70			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	90			%	01/29/14	MH	30 - 150 %
% TCMX	72			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	01/28/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	01/28/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 5-7

Phoenix I.D.: BG03044

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.77	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trimethylbenzene	1.2	J	5.4	0.78	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.5	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.60	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	01/28/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.72	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	01/28/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.86	ug/Kg	01/28/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	01/28/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.87	ug/Kg	01/28/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/28/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.75	ug/Kg	01/28/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.63	ug/Kg	01/28/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/28/14	HM	SW8260	
Acetone	ND		50	5.4	ug/Kg	01/28/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/28/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Bromobenzene	ND		5.4	0.71	ug/Kg	01/28/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	01/28/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/28/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	01/28/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	01/28/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.88	ug/Kg	01/28/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	01/28/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/28/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/28/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/28/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	01/28/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	01/28/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/28/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	01/28/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.7	ug/Kg	01/28/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/28/14	HM	SW8260	
Methylene chloride	1.6	JS	5.4	0.89	ug/Kg	01/28/14	HM	SW8260	
Naphthalene	11		5.4	1.5	ug/Kg	01/28/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.98	ug/Kg	01/28/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	01/28/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	01/28/14	HM	SW8260	
Styrene	ND	5.4	1.6	ug/Kg	01/28/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	01/28/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	01/28/14	HM	SW8260	1
Toluene	ND	5.4	0.86	ug/Kg	01/28/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/28/14	HM	SW8260	
Trichloroethene	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	01/28/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.8	ug/Kg	01/28/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	01/28/14	HM	70 - 121 %	
% Bromofluorobenzene	93			%	01/28/14	HM	59 - 113 %	
% Dibromofluoromethane	105			%	01/28/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/28/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	710	160	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 5-7

Phoenix I.D.: BG03044

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND		250	99	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND		1800	710	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	300		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	950		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	850		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	1200		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	350		250	110	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	390		250	120	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	91	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	1000		250	120	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	95	J	250	94	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	91	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	2100		250	110	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	320		250	120	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND		250	99	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	1400		250	100	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	1900		250	120	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	97				%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	81				%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	95				%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB1 5-7

Phoenix I.D.: BG03044

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	84			%	01/27/14	DD	23 - 120 %
% Phenol-d5	99			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	90			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03045

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.45		0.45	0.27	mg/Kg	01/27/14	EK	SW6010
Aluminum	18900		45	9.0	mg/Kg	01/27/14	EK	SW6010
Arsenic	1.4	*	0.9	0.90	mg/Kg	01/27/14	EK	SW6010
Barium	117		0.9	0.18	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.98		0.36	0.18	mg/Kg	01/27/14	EK	SW6010
Calcium	2160		45	41	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.18	B	0.45	0.18	mg/Kg	01/27/14	EK	SW6010
Cobalt	11.4		0.45	0.18	mg/Kg	01/27/14	EK	SW6010
Chromium	39.1		0.45	0.18	mg/Kg	01/27/14	EK	SW6010
Copper	31.7	N	0.45	0.36	mg/kg	01/27/14	EK	SW6010
Iron	35600	*	45	45	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	3280	N	90	35	mg/Kg	01/27/14	EK	SW6010
Magnesium	6030		4.5	0.27	mg/Kg	01/27/14	EK	SW6010
Manganese	574	N	4.5	1.8	mg/Kg	01/27/14	EK	SW6010
Sodium	679	N	9	3.9	mg/Kg	01/27/14	EK	SW6010
Nickel	33.2		0.45	0.18	mg/Kg	01/27/14	EK	SW6010
Lead	9.9	N*	0.9	0.27	mg/Kg	01/27/14	EK	SW6010
Antimony	< 2.3		2.3	0.90	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.8		1.8	1.5	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.8		1.8	1.8	mg/Kg	01/27/14	EK	SW6010
Vanadium	54.3		0.5	0.18	mg/Kg	01/27/14	EK	SW6010
Zinc	85.8	N	0.9	0.45	mg/Kg	01/27/14	EK	SW6010
Percent Solid	73				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 0-2

Phoenix I.D.: BG03045

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	45	45	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	85			%	01/28/14	AW	30 - 150 %
% TCMX	70			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	3.2	3.2	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	3.2	3.2	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	3.2	3.2	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Chlordane	ND	27	27	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	4.5	4.5	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	2.2	2.2	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	8.9	8.9	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	43	43	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	87			%	01/29/14	MH	30 - 150 %
% TCMX	73			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.8	1.1	ug/Kg	01/27/14	HM	SW8260
1,1,1-Trichloroethane	ND	6.8	1.4	ug/Kg	01/27/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	6.8	0.97	ug/Kg	01/27/14	HM	SW8260
1,1,2-Trichloroethane	ND	6.8	0.67	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethane	ND	6.8	1.4	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethene	ND	6.8	1.5	ug/Kg	01/27/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 0-2

Phoenix I.D.: BG03045

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		6.8	1.3	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		6.8	0.97	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		6.8	0.99	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		6.8	1.8	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		6.8	1.8	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichlorobenzene	ND		6.8	0.75	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		6.8	0.60	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloropropane	ND		6.8	0.97	ug/Kg	01/27/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		6.8	0.90	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		6.8	1.0	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		6.8	0.73	ug/Kg	01/27/14	HM	SW8260	
1,4-Dichlorobenzene	ND		6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		6.8	1.2	ug/Kg	01/27/14	HM	SW8260	
2-Chlorotoluene	ND		6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		34	3.1	ug/Kg	01/27/14	HM	SW8260	
2-Isopropyltoluene	ND		6.8	0.95	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		6.8	0.79	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		34	1.6	ug/Kg	01/27/14	HM	SW8260	
Acetone	20	JS	50	6.8	ug/Kg	01/27/14	HM	SW8260	
Acrylonitrile	ND		14	3.8	ug/Kg	01/27/14	HM	SW8260	
Benzene	ND		6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
Bromobenzene	ND		6.8	0.89	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		6.8	1.0	ug/Kg	01/27/14	HM	SW8260	
Bromodichloromethane	ND		6.8	0.85	ug/Kg	01/27/14	HM	SW8260	
Bromoform	ND		6.8	0.96	ug/Kg	01/27/14	HM	SW8260	
Bromomethane	ND		6.8	5.3	ug/Kg	01/27/14	HM	SW8260	
Carbon Disulfide	ND		6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
Carbon tetrachloride	ND		6.8	0.79	ug/Kg	01/27/14	HM	SW8260	
Chlorobenzene	ND		6.8	1.0	ug/Kg	01/27/14	HM	SW8260	
Chloroethane	ND		6.8	1.6	ug/Kg	01/27/14	HM	SW8260	
Chloroform	ND		6.8	1.2	ug/Kg	01/27/14	HM	SW8260	
Chloromethane	ND		6.8	3.6	ug/Kg	01/27/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		6.8	1.5	ug/Kg	01/27/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		6.8	0.74	ug/Kg	01/27/14	HM	SW8260	
Dibromochloromethane	ND		6.8	0.77	ug/Kg	01/27/14	HM	SW8260	
Dibromomethane	ND		6.8	0.86	ug/Kg	01/27/14	HM	SW8260	
Dichlorodifluoromethane	ND		6.8	1.8	ug/Kg	01/27/14	HM	SW8260	
Ethylbenzene	ND		6.8	1.2	ug/Kg	01/27/14	HM	SW8260	
Hexachlorobutadiene	ND		6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		6.8	1.3	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	ND		6.8	2.7	ug/Kg	01/27/14	HM	SW8260	
Methyl Ethyl Ketone	ND		41	5.9	ug/Kg	01/27/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		14	1.9	ug/Kg	01/27/14	HM	SW8260	
Methylene chloride	1.7	JS	6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
Naphthalene	ND		6.8	1.8	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		6.8	1.2	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		6.8	1.2	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	6.8	2.6	ug/Kg	01/27/14	HM	SW8260	
p-Isopropyltoluene	ND	6.8	0.99	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND	6.8	1.3	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND	6.8	2.0	ug/Kg	01/27/14	HM	SW8260	
tert-Butylbenzene	ND	6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND	6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	14	6.2	ug/Kg	01/27/14	HM	SW8260	1
Toluene	ND	6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	6.8	1.4	ug/Kg	01/27/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	14	13	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND	6.8	1.5	ug/Kg	01/27/14	HM	SW8260	
Trichlorofluoromethane	ND	6.8	1.5	ug/Kg	01/27/14	HM	SW8260	
Trichlorotrifluoroethane	ND	6.8	1.1	ug/Kg	01/27/14	HM	SW8260	
Vinyl chloride	ND	6.8	2.2	ug/Kg	01/27/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	95			%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	96			%	01/27/14	HM	70 - 130 %	
% Toluene-d8	97			%	01/27/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	310	160	ug/Kg	01/27/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	310	240	ug/Kg	01/27/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dichlorophenol	ND	310	160	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dimethylphenol	ND	310	110	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrophenol	ND	2200	310	ug/Kg	01/27/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	310	180	ug/Kg	01/27/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
2-Chloronaphthalene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
2-Chlorophenol	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
2-Methylnaphthalene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	310	210	ug/Kg	01/27/14	DD	SW 8270	
2-Nitroaniline	ND	2200	450	ug/Kg	01/27/14	DD	SW 8270	
2-Nitrophenol	ND	310	280	ug/Kg	01/27/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	310	180	ug/Kg	01/27/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	890	210	ug/Kg	01/27/14	DD	SW 8270	
3-Nitroaniline	ND	2200	970	ug/Kg	01/27/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	2200	480	ug/Kg	01/27/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	310	160	ug/Kg	01/27/14	DD	SW 8270	
4-Chloroaniline	ND	890	210	ug/Kg	01/27/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
4-Nitroaniline	ND	2200	150	ug/Kg	01/27/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 0-2

Phoenix I.D.: BG03045

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	2200	200	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Acenaphthylene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Acetophenone	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Aniline	ND	2200	900	ug/Kg	01/27/14	DD	SW 8270	
Anthracene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Benz(a)anthracene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Benzidine	ND	890	260	ug/Kg	01/27/14	DD	SW 8270	
Benzo(a)pyrene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Benzo(ghi)perylene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Benzoic acid	ND	2200	890	ug/Kg	01/27/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Carbazole	ND	2200	340	ug/Kg	01/27/14	DD	SW 8270	
Chrysene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Dibenzofuran	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Diethyl phthalate	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Dimethylphthalate	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Di-n-butylphthalate	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	
Di-n-octylphthalate	ND	310	120	ug/Kg	01/27/14	DD	SW 8270	
Fluoranthene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Fluorene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobenzene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorobutadiene	ND	310	160	ug/Kg	01/27/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Hexachloroethane	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Isophorone	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Naphthalene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Nitrobenzene	ND	310	160	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	310	170	ug/Kg	01/27/14	DD	SW 8270	
Pentachloronitrobenzene	ND	310	170	ug/Kg	01/27/14	DD	SW 8270	
Pentachlorophenol	ND	310	170	ug/Kg	01/27/14	DD	SW 8270	
Phenanthrene	ND	310	130	ug/Kg	01/27/14	DD	SW 8270	
Phenol	ND	310	140	ug/Kg	01/27/14	DD	SW 8270	
Pyrene	ND	310	150	ug/Kg	01/27/14	DD	SW 8270	
Pyridine	ND	310	110	ug/Kg	01/27/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	82			%	01/27/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	59			%	01/27/14	DD	30 - 115 %	
% 2-Fluorophenol	80			%	01/27/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 0-2

Phoenix I.D.: BG03045

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	60			%	01/27/14	DD	23 - 120 %
% Phenol-d5	88			%	01/27/14	DD	24 - 113 %
% Terphenyl-d14	70			%	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.

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
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03046

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 11-13

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33		0.33	0.20	mg/Kg	01/27/14	EK	SW6010
Aluminum	9320		33	6.6	mg/Kg	01/27/14	EK	SW6010
Arsenic	0.9	*	0.7	0.66	mg/Kg	01/27/14	EK	SW6010
Barium	38.1		0.7	0.13	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.37		0.26	0.13	mg/Kg	01/27/14	EK	SW6010
Calcium	5630		33	30	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.33		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Cobalt	5.43		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Chromium	22.8		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Copper	29.3	N	0.33	0.26	mg/kg	01/27/14	EK	SW6010
Iron	15300	*	33	33	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	01/27/14	RS	SW-7471
Potassium	1310	N	66	26	mg/Kg	01/27/14	EK	SW6010
Magnesium	4660		3.3	0.20	mg/Kg	01/27/14	EK	SW6010
Manganese	301	N	3.3	1.3	mg/Kg	01/27/14	EK	SW6010
Sodium	710	N	7	2.8	mg/Kg	01/27/14	EK	SW6010
Nickel	22.9		0.33	0.13	mg/Kg	01/27/14	EK	SW6010
Lead	5.2	N*	0.7	0.20	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.6		1.6	0.66	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.3		1.3	1.3	mg/Kg	01/27/14	EK	SW6010
Vanadium	30.5		0.3	0.13	mg/Kg	01/27/14	EK	SW6010
Zinc	32.0	N	0.7	0.33	mg/Kg	01/27/14	EK	SW6010
Percent Solid	93				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 11-13

Phoenix I.D.: BG03046

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	90			%	01/28/14	AW	30 - 150 %
% TCMX	73			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/29/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	01/29/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/29/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/29/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	01/29/14	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/29/14	MH	SW8081
QA/QC Surrogates							
% DCBP	94			%	01/29/14	MH	30 - 150 %
% TCMX	78			%	01/29/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	01/27/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	01/27/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/27/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 11-13

Phoenix I.D.: BG03046

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.0	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		5.4	0.76	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		5.4	0.77	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	01/27/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		5.4	0.71	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.57	ug/Kg	01/27/14	HM	SW8260	
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.90	ug/Kg	01/27/14	HM	SW8260	
2-Chlorotoluene	ND		5.4	0.86	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/27/14	HM	SW8260	
2-Isopropyltoluene	ND		5.4	0.74	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		5.4	0.62	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/27/14	HM	SW8260	
Acetone	ND		50	5.3	ug/Kg	01/27/14	HM	SW8260	
Acrylonitrile	ND		11	3.0	ug/Kg	01/27/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
Bromobenzene	ND		5.4	0.70	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.78	ug/Kg	01/27/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/27/14	HM	SW8260	
Bromoform	ND		5.4	0.75	ug/Kg	01/27/14	HM	SW8260	
Bromomethane	ND		5.4	4.1	ug/Kg	01/27/14	HM	SW8260	
Carbon Disulfide	ND		5.4	0.87	ug/Kg	01/27/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	01/27/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/27/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/27/14	HM	SW8260	
Chloroform	ND		5.4	0.98	ug/Kg	01/27/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/27/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/27/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	01/27/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.60	ug/Kg	01/27/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/27/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/27/14	HM	SW8260	
Ethylbenzene	ND		5.4	0.98	ug/Kg	01/27/14	HM	SW8260	
Hexachlorobutadiene	ND		5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		5.4	1.0	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	ND		5.4	2.1	ug/Kg	01/27/14	HM	SW8260	
Methyl Ethyl Ketone	ND		32	4.7	ug/Kg	01/27/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/27/14	HM	SW8260	
Methylene chloride	1.3	JS	5.4	0.88	ug/Kg	01/27/14	HM	SW8260	
Naphthalene	ND		5.4	1.4	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		5.4	0.98	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		5.4	0.97	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.4	2.1	ug/Kg	01/27/14	HM	SW8260	
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND	5.4	1.5	ug/Kg	01/27/14	HM	SW8260	
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	01/27/14	HM	SW8260	1
Toluene	ND	5.4	0.85	ug/Kg	01/27/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND	5.4	1.1	ug/Kg	01/27/14	HM	SW8260	
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	01/27/14	HM	SW8260	
Vinyl chloride	ND	5.4	1.7	ug/Kg	01/27/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	96			%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	104			%	01/27/14	HM	70 - 130 %	
% Toluene-d8	99			%	01/27/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	01/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	01/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	01/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	01/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	01/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	01/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/28/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 11-13

Phoenix I.D.: BG03046

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND	1800	160	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthylene	ND	250	99	ug/Kg	01/28/14	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Aniline	ND	1800	720	ug/Kg	01/28/14	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzidine	ND	710	210	ug/Kg	01/28/14	DD	SW 8270	
Benzo(a)pyrene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzoic acid	ND	1800	710	ug/Kg	01/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250	91	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	01/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	01/28/14	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	01/28/14	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	01/28/14	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobenzene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Hexachloroethane	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Isophorone	ND	250	99	ug/Kg	01/28/14	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
Nitrobenzene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	01/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
Phenanthrene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
Pyridine	ND	250	87	ug/Kg	01/28/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	01/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	84			%	01/28/14	DD	30 - 115 %	
% 2-Fluorophenol	93			%	01/28/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB2 11-13

Phoenix I.D.: BG03046

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	92			%	01/28/14	DD	23 - 120 %
% Phenol-d5	98			%	01/28/14	DD	24 - 113 %
% Terphenyl-d14	105			%	01/28/14	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03047

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.21	mg/Kg	01/27/14	EK	SW6010
Aluminum	6200		36	7.2	mg/Kg	01/27/14	EK	SW6010
Arsenic	3.6	*	0.7	0.72	mg/Kg	01/27/14	EK	SW6010
Barium	43.3		0.7	0.14	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.26	B	0.29	0.14	mg/Kg	01/27/14	EK	SW6010
Calcium	83400		36	33	mg/Kg	01/27/14	EK	SW6010
Cadmium	< 0.36		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Cobalt	2.78		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Chromium	12.7		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Copper	28.9	N	0.36	0.29	mg/kg	01/27/14	EK	SW6010
Iron	11000	*	36	36	mg/Kg	01/27/14	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	920	N	72	28	mg/Kg	01/27/14	EK	SW6010
Magnesium	11800		36	2.1	mg/Kg	01/27/14	EK	SW6010
Manganese	184	N	3.6	1.4	mg/Kg	01/27/14	EK	SW6010
Sodium	315	N	7	3.1	mg/Kg	01/27/14	EK	SW6010
Nickel	9.15		0.36	0.14	mg/Kg	01/27/14	EK	SW6010
Lead	29.3	N*	0.7	0.21	mg/Kg	01/27/14	EK	SW6010
Antimony	< 1.8		1.8	0.72	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/27/14	EK	SW6010
Vanadium	23.4		0.4	0.14	mg/Kg	01/27/14	EK	SW6010
Zinc	44.5	N	0.7	0.36	mg/Kg	01/27/14	EK	SW6010
Percent Solid	92				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG03047

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	101			%	01/28/14	AW	30 - 150 %
% TCMX	90			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	13	13	ug/Kg	01/30/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	01/30/14	MH	SW8081
4,4' -DDT	ND	13	13	ug/Kg	01/30/14	MH	SW8081
a-BHC	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Aldrin	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
b-BHC	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	01/30/14	MH	SW8081
d-BHC	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Dieldrin	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endrin	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Endrin ketone	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
g-BHC	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	01/30/14	MH	SW8081
Heptachlor	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Heptachlor epoxide	ND	8.9	8.9	ug/Kg	01/30/14	MH	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/14	MH	SW8081
Toxaphene	ND	890	890	ug/Kg	01/30/14	MH	SW8081
QA/QC Surrogates							
% DCBP	Diluted Out			%	01/30/14	MH	30 - 150 %
% TCMX	Diluted Out			%	01/30/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	01/28/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	01/28/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	01/28/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG03047

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		270	54	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		270	54	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	520		270	39	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	73	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	01/28/14	HM	SW8260	
1,3,5-Trimethylbenzene	430		270	36	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		270	40	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.4	0.58	ug/Kg	01/28/14	HM	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.4	0.91	ug/Kg	01/28/14	HM	SW8260	
2-Chlorotoluene	ND		270	43	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		27	2.4	ug/Kg	01/28/14	HM	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/28/14	HM	SW8260	
Acetone	20	JS	50	5.4	ug/Kg	01/28/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/28/14	HM	SW8260	
Benzene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Bromobenzene	ND		270	35	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.4	0.79	ug/Kg	01/28/14	HM	SW8260	
Bromodichloromethane	ND		5.4	0.67	ug/Kg	01/28/14	HM	SW8260	
Bromoform	ND		5.4	0.76	ug/Kg	01/28/14	HM	SW8260	
Bromomethane	ND		5.4	4.2	ug/Kg	01/28/14	HM	SW8260	
Carbon Disulfide	1.8	J	5.4	0.88	ug/Kg	01/28/14	HM	SW8260	
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	01/28/14	HM	SW8260	
Chlorobenzene	ND		5.4	0.80	ug/Kg	01/28/14	HM	SW8260	
Chloroethane	ND		5.4	1.3	ug/Kg	01/28/14	HM	SW8260	
Chloroform	ND		5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Chloromethane	ND		5.4	2.8	ug/Kg	01/28/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.4	0.59	ug/Kg	01/28/14	HM	SW8260	
Dibromochloromethane	ND		5.4	0.61	ug/Kg	01/28/14	HM	SW8260	
Dibromomethane	ND		5.4	0.68	ug/Kg	01/28/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	01/28/14	HM	SW8260	
Ethylbenzene	1.4	J	5.4	0.99	ug/Kg	01/28/14	HM	SW8260	
Hexachlorobutadiene	ND		270	57	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		270	52	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	30		5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
Methyl Ethyl Ketone	6.8	J	33	4.7	ug/Kg	01/28/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/28/14	HM	SW8260	
Methylene chloride	2.1	JS	5.4	0.89	ug/Kg	01/28/14	HM	SW8260	
Naphthalene	95	J	270	73	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		270	49	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	21		5.4	2.1	ug/Kg	01/28/14	HM	SW8260	
p-Isopropyltoluene	ND		270	39	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND		270	51	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND		5.4	1.6	ug/Kg	01/28/14	HM	SW8260	
tert-Butylbenzene	ND		270	43	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	01/28/14	HM	SW8260	1
Toluene	1.5	J	5.4	0.86	ug/Kg	01/28/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		540	500	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND		5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.4	0.85	ug/Kg	01/28/14	HM	SW8260	
Vinyl chloride	ND		5.4	1.8	ug/Kg	01/28/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102				%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	99				%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	94				%	01/28/14	HM	70 - 130 %	
% Toluene-d8	85				%	01/28/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	190	ug/Kg	01/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	88	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/28/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	01/28/14	DD	SW 8270	
2-Nitrophenol	ND		250	220	ug/Kg	01/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		710	170	ug/Kg	01/28/14	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	01/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	380	ug/Kg	01/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Chloroaniline	ND		710	160	ug/Kg	01/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/28/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG03047

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthylene	ND		250	99	ug/Kg	01/28/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Aniline	ND		1800	710	ug/Kg	01/28/14	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benz(a)anthracene	210	J	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	01/28/14	DD	SW 8270	
Benzo(a)pyrene	200	J	250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(b)fluoranthene	340		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(ghi)perylene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	01/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	91	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	97	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	95	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	01/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	160	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/28/14	DD	SW 8270	
Chrysene	260		250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	01/28/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	91	ug/Kg	01/28/14	DD	SW 8270	
Fluoranthene	390		250	110	ug/Kg	01/28/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Isophorone	ND		250	99	ug/Kg	01/28/14	DD	SW 8270	
Naphthalene	120	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Phenanthrene	240	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Pyrene	390		250	120	ug/Kg	01/28/14	DD	SW 8270	
Pyridine	ND		250	87	ug/Kg	01/28/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	31				%	01/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	79				%	01/28/14	DD	30 - 115 %	
% 2-Fluorophenol	65				%	01/28/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 0-2

Phoenix I.D.: BG03047

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	89			%	01/28/14	DD	23 - 120 %
% Phenol-d5	90			%	01/28/14	DD	24 - 113 %
% Terphenyl-d14	94			%	01/28/14	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03048

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 13-15

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40		0.40	0.24	mg/Kg	01/27/14	EK	SW6010
Aluminum	7790		40	7.9	mg/Kg	01/27/14	EK	SW6010
Arsenic	4.3	*	0.8	0.79	mg/Kg	01/27/14	EK	SW6010
Barium	232		0.8	0.16	mg/Kg	01/27/14	EK	SW6010
Beryllium	0.52		0.32	0.16	mg/Kg	01/27/14	EK	SW6010
Calcium	15900		40	37	mg/Kg	01/27/14	EK	SW6010
Cadmium	0.69		0.40	0.16	mg/Kg	01/27/14	EK	SW6010
Cobalt	9.71		0.40	0.16	mg/Kg	01/27/14	EK	SW6010
Chromium	27.1		0.40	0.16	mg/Kg	01/27/14	EK	SW6010
Copper	81.7	N	0.40	0.32	mg/kg	01/27/14	EK	SW6010
Iron	22300	*	40	40	mg/Kg	01/27/14	EK	SW6010
Mercury	0.77		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	1350	N	8	3.1	mg/Kg	01/27/14	EK	SW6010
Magnesium	8140		40	2.4	mg/Kg	01/27/14	EK	SW6010
Manganese	584	N	4.0	1.6	mg/Kg	01/27/14	EK	SW6010
Sodium	371	N	8	3.4	mg/Kg	01/27/14	EK	SW6010
Nickel	89.0		0.40	0.16	mg/Kg	01/27/14	EK	SW6010
Lead	213	N*	7.9	2.4	mg/Kg	01/27/14	EK	SW6010
Antimony	1.0	B	2.0	0.79	mg/Kg	01/27/14	EK	SW6010
Selenium	< 1.6		1.6	1.3	mg/Kg	01/27/14	EK	SW6010
Thallium	< 1.6		1.6	1.6	mg/Kg	01/27/14	EK	SW6010
Vanadium	26.7		0.4	0.16	mg/Kg	01/27/14	EK	SW6010
Zinc	251	N	7.9	4.0	mg/Kg	01/27/14	EK	SW6010
Percent Solid	90				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/27/14	BB	SW3545
Soil Extraction for Pesticide	Completed					01/27/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG03048

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/24/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1254	59	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/28/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	01/28/14	AW	30 - 150 %
% TCMX	73			%	01/28/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
4,4' -DDT	9.6	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Chlordane	73	22	22	ug/Kg	01/30/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endrin	ND	2.2	2.2	ug/Kg	01/30/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	01/30/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	01/30/14	MH	SW8081
QA/QC Surrogates							
% DCBP	99			%	01/30/14	MH	30 - 150 %
% TCMX	74			%	01/30/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	01/28/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	01/28/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	01/28/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	01/28/14	HM	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	01/28/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG03048

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.6	1.1	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		280	56	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichloropropane	ND		280	39	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		280	56	ug/Kg	01/27/14	HM	SW8260	
1,2,4-Trimethylbenzene	51	J	280	40	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		280	74	ug/Kg	01/27/14	HM	SW8260	
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichlorobenzene	ND		280	31	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloroethane	ND		5.6	0.49	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloropropane	ND		5.6	0.79	ug/Kg	01/28/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		280	37	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichlorobenzene	ND		280	41	ug/Kg	01/27/14	HM	SW8260	
1,3-Dichloropropane	ND		5.6	0.59	ug/Kg	01/28/14	HM	SW8260	
1,4-Dichlorobenzene	ND		280	44	ug/Kg	01/27/14	HM	SW8260	
2,2-Dichloropropane	ND		5.6	0.93	ug/Kg	01/28/14	HM	SW8260	
2-Chlorotoluene	ND		280	44	ug/Kg	01/27/14	HM	SW8260	
2-Hexanone	ND		28	2.5	ug/Kg	01/28/14	HM	SW8260	
2-Isopropyltoluene	ND		280	38	ug/Kg	01/27/14	HM	SW8260	1
4-Chlorotoluene	ND		280	32	ug/Kg	01/27/14	HM	SW8260	
4-Methyl-2-pentanone	ND		28	1.3	ug/Kg	01/28/14	HM	SW8260	
Acetone	7.8	JS	50	5.5	ug/Kg	01/28/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/28/14	HM	SW8260	
Benzene	ND		5.6	1.1	ug/Kg	01/28/14	HM	SW8260	
Bromobenzene	ND		280	36	ug/Kg	01/27/14	HM	SW8260	
Bromochloromethane	ND		5.6	0.81	ug/Kg	01/28/14	HM	SW8260	
Bromodichloromethane	ND		5.6	0.69	ug/Kg	01/28/14	HM	SW8260	
Bromoform	ND		5.6	0.78	ug/Kg	01/28/14	HM	SW8260	
Bromomethane	ND		5.6	4.3	ug/Kg	01/28/14	HM	SW8260	
Carbon Disulfide	ND		5.6	0.90	ug/Kg	01/28/14	HM	SW8260	
Carbon tetrachloride	ND		5.6	0.64	ug/Kg	01/28/14	HM	SW8260	
Chlorobenzene	ND		5.6	0.82	ug/Kg	01/28/14	HM	SW8260	
Chloroethane	ND		5.6	1.3	ug/Kg	01/28/14	HM	SW8260	
Chloroform	ND		5.6	1.0	ug/Kg	01/28/14	HM	SW8260	
Chloromethane	ND		5.6	2.9	ug/Kg	01/28/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.6	1.2	ug/Kg	01/28/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.6	0.60	ug/Kg	01/28/14	HM	SW8260	
Dibromochloromethane	ND		5.6	0.62	ug/Kg	01/28/14	HM	SW8260	
Dibromomethane	ND		5.6	0.70	ug/Kg	01/28/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.6	1.5	ug/Kg	01/28/14	HM	SW8260	
Ethylbenzene	ND		5.6	1.0	ug/Kg	01/28/14	HM	SW8260	
Hexachlorobutadiene	ND		280	58	ug/Kg	01/27/14	HM	SW8260	
Isopropylbenzene	ND		280	53	ug/Kg	01/27/14	HM	SW8260	
m&p-Xylene	2.9	J	5.6	2.2	ug/Kg	01/28/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	01/28/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/28/14	HM	SW8260	
Methylene chloride	2.0	JS	5.6	0.91	ug/Kg	01/28/14	HM	SW8260	
Naphthalene	77	J	280	74	ug/Kg	01/27/14	HM	SW8260	
n-Butylbenzene	ND		280	51	ug/Kg	01/27/14	HM	SW8260	
n-Propylbenzene	ND		280	50	ug/Kg	01/27/14	HM	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	2.1	ug/Kg	01/28/14	HM	SW8260	
p-Isopropyltoluene	ND	280	40	ug/Kg	01/27/14	HM	SW8260	
sec-Butylbenzene	ND	280	52	ug/Kg	01/27/14	HM	SW8260	
Styrene	ND	5.6	1.6	ug/Kg	01/28/14	HM	SW8260	
tert-Butylbenzene	ND	280	44	ug/Kg	01/27/14	HM	SW8260	
Tetrachloroethene	ND	5.6	1.2	ug/Kg	01/28/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	01/28/14	HM	SW8260	1
Toluene	ND	5.6	0.88	ug/Kg	01/28/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	01/28/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	560	520	ug/Kg	01/27/14	HM	SW8260	
Trichloroethene	ND	5.6	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	01/28/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	01/28/14	HM	SW8260	
Vinyl chloride	ND	5.6	1.8	ug/Kg	01/28/14	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/27/14	HM	70 - 121 %	
% Bromofluorobenzene	97			%	01/27/14	HM	59 - 113 %	
% Dibromofluoromethane	124			%	01/28/14	HM	70 - 130 %	
% Toluene-d8	89			%	01/28/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND	250	90	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND	1800	250	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	140	ug/Kg	01/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/28/14	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	01/28/14	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	01/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	01/28/14	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	01/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	01/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	01/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	01/28/14	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	01/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/28/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG03048

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthene	280		250	110	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthylene	180	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Aniline	ND		1800	730	ug/Kg	01/28/14	DD	SW 8270	
Anthracene	750		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benz(a)anthracene	2100		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzidine	ND		720	210	ug/Kg	01/28/14	DD	SW 8270	
Benzo(a)pyrene	2000		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(b)fluoranthene	3300		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(ghi)perylene	650		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(k)fluoranthene	920		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzoic acid	ND		1800	720	ug/Kg	01/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	93	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	98	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Carbazole	310	J	1800	270	ug/Kg	01/28/14	DD	SW 8270	
Chrysene	2000		250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	150	J	250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenzofuran	170	J	250	110	ug/Kg	01/28/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	01/28/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	01/28/14	DD	SW 8270	
Fluoranthene	4700		250	120	ug/Kg	01/28/14	DD	SW 8270	
Fluorene	250		250	120	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobenzene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	580		250	120	ug/Kg	01/28/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Naphthalene	180	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Nitrobenzene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
Phenanthrene	3800		250	100	ug/Kg	01/28/14	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Pyrene	4200		250	120	ug/Kg	01/28/14	DD	SW 8270	
Pyridine	ND		250	89	ug/Kg	01/28/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	101				%	01/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	76				%	01/28/14	DD	30 - 115 %	
% 2-Fluorophenol	90				%	01/28/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: SB7 13-15

Phoenix I.D.: BG03048

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	01/28/14	DD	23 - 120 %
% Phenol-d5	94			%	01/28/14	DD	24 - 113 %
% Terphenyl-d14	83			%	01/28/14	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03049

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37		0.37	0.22	mg/Kg	01/30/14	LK	SW6010
Aluminum	7010		34	6.8	mg/Kg	01/28/14	EK	SW6010
Arsenic	5.4		0.7	0.68	mg/Kg	01/28/14	EK	SW6010
Barium	111	N*	0.7	0.14	mg/Kg	01/28/14	EK	SW6010
Beryllium	0.34		0.27	0.14	mg/Kg	01/28/14	EK	SW6010
Calcium	29900		34	31	mg/Kg	01/28/14	EK	SW6010
Cadmium	1.02		0.34	0.14	mg/Kg	01/28/14	EK	SW6010
Cobalt	4.30		0.34	0.14	mg/Kg	01/28/14	EK	SW6010
Chromium	18.9		0.34	0.14	mg/Kg	01/28/14	EK	SW6010
Copper	80.6		0.34	0.27	mg/kg	01/28/14	EK	SW6010
Iron	20100		34	34	mg/Kg	01/28/14	EK	SW6010
Mercury	0.40		0.08	0.05	mg/Kg	01/27/14	RS	SW-7471
Potassium	1190	N	7	2.6	mg/Kg	01/28/14	EK	SW6010
Magnesium	4490		3.4	0.20	mg/Kg	01/28/14	EK	SW6010
Manganese	266	N	3.4	1.4	mg/Kg	01/28/14	EK	SW6010
Sodium	657	N	7	2.9	mg/Kg	01/28/14	EK	SW6010
Nickel	13.8		0.34	0.14	mg/Kg	01/28/14	EK	SW6010
Lead	217		6.8	2.0	mg/Kg	01/28/14	EK	SW6010
Antimony	2.8	*	1.7	0.61	mg/Kg	01/28/14	LK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	01/28/14	EK	SW6010
Thallium	< 1.4		1.4	1.4	mg/Kg	01/28/14	EK	SW6010
Vanadium	29.4		0.3	0.14	mg/Kg	01/28/14	EK	SW6010
Zinc	247	N	6.8	3.4	mg/Kg	01/28/14	EK	SW6010
Percent Solid	91				%	01/24/14	I	E160.3
Soil Extraction for PCB	Completed					01/29/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed					01/29/14	BB	SW3545
Soil Extraction for SVOA	Completed					01/24/14	BJ/V	SW3545
Mercury Digestion	Completed					01/27/14	I/I	SW7471

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG03049

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				01/27/14	Z/T	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	01/30/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	103			%	01/30/14	AW	30 - 150 %
% TCMX	76			%	01/30/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
4,4' -DDE	3.6	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/30/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Chlordane	70	22	22	ug/Kg	01/30/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	01/30/14	MH	SW8081
Heptachlor epoxide	ND	2.2	2.2	ug/Kg	01/30/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	01/30/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	01/30/14	MH	SW8081
QA/QC Surrogates							
% DCBP	104			%	01/30/14	MH	30 - 150 %
% TCMX	88			%	01/30/14	MH	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	01/27/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	01/27/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	01/27/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	01/27/14	HM	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	01/27/14	HM	SW8260

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG03049

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		5.5	1.1	ug/Kg	01/27/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND		270	55	ug/Kg	01/28/14	HM	SW8260	
1,2,3-Trichloropropane	ND		270	39	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND		270	55	ug/Kg	01/28/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND		270	40	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND		270	74	ug/Kg	01/28/14	HM	SW8260	
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichlorobenzene	ND		270	30	ug/Kg	01/28/14	HM	SW8260	
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	01/27/14	HM	SW8260	
1,2-Dichloropropane	ND		5.5	0.78	ug/Kg	01/27/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND		270	36	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichlorobenzene	ND		270	41	ug/Kg	01/28/14	HM	SW8260	
1,3-Dichloropropane	ND		5.5	0.58	ug/Kg	01/27/14	HM	SW8260	
1,4-Dichlorobenzene	ND		270	43	ug/Kg	01/28/14	HM	SW8260	
2,2-Dichloropropane	ND		5.5	0.92	ug/Kg	01/27/14	HM	SW8260	
2-Chlorotoluene	ND		270	44	ug/Kg	01/28/14	HM	SW8260	
2-Hexanone	ND		27	2.5	ug/Kg	01/27/14	HM	SW8260	
2-Isopropyltoluene	ND		270	38	ug/Kg	01/28/14	HM	SW8260	1
4-Chlorotoluene	ND		270	32	ug/Kg	01/28/14	HM	SW8260	
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	01/27/14	HM	SW8260	
Acetone	18	JS	50	5.5	ug/Kg	01/27/14	HM	SW8260	
Acrylonitrile	ND		11	3.1	ug/Kg	01/27/14	HM	SW8260	
Benzene	ND		5.5	1.1	ug/Kg	01/27/14	HM	SW8260	
Bromobenzene	ND		270	36	ug/Kg	01/28/14	HM	SW8260	
Bromochloromethane	ND		5.5	0.80	ug/Kg	01/27/14	HM	SW8260	
Bromodichloromethane	ND		5.5	0.68	ug/Kg	01/27/14	HM	SW8260	
Bromoform	ND		5.5	0.77	ug/Kg	01/27/14	HM	SW8260	
Bromomethane	ND		5.5	4.2	ug/Kg	01/27/14	HM	SW8260	
Carbon Disulfide	ND		5.5	0.89	ug/Kg	01/27/14	HM	SW8260	
Carbon tetrachloride	ND		5.5	0.64	ug/Kg	01/27/14	HM	SW8260	
Chlorobenzene	ND		5.5	0.81	ug/Kg	01/27/14	HM	SW8260	
Chloroethane	ND		5.5	1.3	ug/Kg	01/27/14	HM	SW8260	
Chloroform	ND		5.5	1.0	ug/Kg	01/27/14	HM	SW8260	
Chloromethane	ND		5.5	2.9	ug/Kg	01/27/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	01/27/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	01/27/14	HM	SW8260	
Dibromochloromethane	ND		5.5	0.62	ug/Kg	01/27/14	HM	SW8260	
Dibromomethane	ND		5.5	0.69	ug/Kg	01/27/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.5	1.5	ug/Kg	01/27/14	HM	SW8260	
Ethylbenzene	ND		5.5	1.0	ug/Kg	01/27/14	HM	SW8260	
Hexachlorobutadiene	ND		270	58	ug/Kg	01/28/14	HM	SW8260	
Isopropylbenzene	ND		270	53	ug/Kg	01/28/14	HM	SW8260	
m&p-Xylene	ND		5.5	2.2	ug/Kg	01/27/14	HM	SW8260	
Methyl Ethyl Ketone	ND		33	4.8	ug/Kg	01/27/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	01/27/14	HM	SW8260	
Methylene chloride	1.2	JS	5.5	0.90	ug/Kg	01/27/14	HM	SW8260	
Naphthalene	ND		270	74	ug/Kg	01/28/14	HM	SW8260	
n-Butylbenzene	ND		270	50	ug/Kg	01/28/14	HM	SW8260	
n-Propylbenzene	ND		270	49	ug/Kg	01/28/14	HM	SW8260	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
o-Xylene	ND		5.5	2.1	ug/Kg	01/27/14	HM	SW8260	
p-Isopropyltoluene	ND		270	40	ug/Kg	01/28/14	HM	SW8260	
sec-Butylbenzene	ND		270	52	ug/Kg	01/28/14	HM	SW8260	
Styrene	ND		5.5	1.6	ug/Kg	01/27/14	HM	SW8260	
tert-Butylbenzene	ND		270	44	ug/Kg	01/28/14	HM	SW8260	
Tetrachloroethene	ND		5.5	1.2	ug/Kg	01/27/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		11	4.9	ug/Kg	01/27/14	HM	SW8260	1
Toluene	0.90	J	5.5	0.87	ug/Kg	01/27/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	01/27/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		550	510	ug/Kg	01/28/14	HM	SW8260	
Trichloroethene	ND		5.5	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	01/27/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.5	0.86	ug/Kg	01/27/14	HM	SW8260	
Vinyl chloride	ND		5.5	1.8	ug/Kg	01/27/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	01/28/14	HM	70 - 121 %	
% Bromofluorobenzene	96				%	01/28/14	HM	59 - 113 %	
% Dibromofluoromethane	89				%	01/27/14	HM	70 - 130 %	
% Toluene-d8	92				%	01/27/14	HM	84 - 138 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
1,2-Dichlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
1,3-Dichlorobenzene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
1,4-Dichlorobenzene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		250	200	ug/Kg	01/28/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dichlorophenol	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dimethylphenol	ND		250	89	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrophenol	ND		1800	250	ug/Kg	01/28/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Chloronaphthalene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Chlorophenol	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/28/14	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	01/28/14	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/28/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		710	170	ug/Kg	01/28/14	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	01/28/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1800	380	ug/Kg	01/28/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	01/28/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/28/14	DD	SW 8270	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG03049

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Nitrophenol	ND		1800	160	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Acenaphthylene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Aniline	ND		1800	720	ug/Kg	01/28/14	DD	SW 8270	
Anthracene	330		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benz(a)anthracene	1100		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzidine	ND		710	210	ug/Kg	01/28/14	DD	SW 8270	
Benzo(a)pyrene	1200		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(b)fluoranthene	1800		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(ghi)perylene	500		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzo(k)fluoranthene	530		250	120	ug/Kg	01/28/14	DD	SW 8270	
Benzoic acid	ND		1800	710	ug/Kg	01/28/14	DD	SW 8270	1
Benzyl butyl phthalate	ND		250	92	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		250	96	ug/Kg	01/28/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	01/28/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/28/14	DD	SW 8270	
Chrysene	1100		250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	01/28/14	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	01/28/14	DD	SW 8270	
Fluoranthene	2100		250	120	ug/Kg	01/28/14	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobenzene	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Hexachloroethane	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	410		250	120	ug/Kg	01/28/14	DD	SW 8270	
Isophorone	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
Naphthalene	110	J	250	100	ug/Kg	01/28/14	DD	SW 8270	
Nitrobenzene	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		250	120	ug/Kg	01/28/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		250	140	ug/Kg	01/28/14	DD	SW 8270	
Pentachloronitrobenzene	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	01/28/14	DD	SW 8270	
Phenanthrene	1400		250	100	ug/Kg	01/28/14	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	01/28/14	DD	SW 8270	
Pyrene	2000		250	120	ug/Kg	01/28/14	DD	SW 8270	
Pyridine	ND		250	88	ug/Kg	01/28/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	83				%	01/28/14	DD	19 - 122 %	
% 2-Fluorobiphenyl	76				%	01/28/14	DD	30 - 115 %	
% 2-Fluorophenol	86				%	01/28/14	DD	25 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BG03049

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81			%	01/28/14	DD	23 - 120 %
% Phenol-d5	93			%	01/28/14	DD	24 - 113 %
% Terphenyl-d14	84			%	01/28/14	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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03050

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: HIGH TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	01/21/14		E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	01/26/14	HM	SW8260	
1,1,1-Trichloroethane	ND	250	50	ug/Kg	01/26/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	01/26/14	HM	SW8260	
1,1,2-Trichloroethane	ND	250	25	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloroethane	ND	250	50	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloroethene	ND	250	55	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloropropene	ND	250	49	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND	250	36	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	ND	250	67	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND	250	28	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND	250	22	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND	250	36	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND	250	37	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND	250	27	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND	250	40	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND	250	42	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND	250	40	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND	1300	110	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND	250	35	ug/Kg	01/26/14	HM	SW8260	1
4-Chlorotoluene	ND	250	29	ug/Kg	01/26/14	HM	SW8260	

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BG03050

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		1300	60	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		2500	250	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		500	140	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		250	50	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		250	33	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		250	37	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		250	31	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		250	35	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		250	190	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		250	37	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		250	59	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		250	46	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		250	130	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		250	32	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		250	67	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		250	53	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		250	99	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		1500	220	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	47	J	250	41	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		250	67	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		250	46	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		250	45	ug/Kg	01/26/14	HM	SW8260	
o-Xylene	ND		250	96	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND		250	36	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND		250	47	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND		250	72	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND		250	40	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		500	230	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND		250	40	ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		500	460	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND		250	53	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND		250	39	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND		250	81	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102				%	01/26/14	HM	70 - 121 %	
% Bromofluorobenzene	98				%	01/26/14	HM	59 - 113 %	
% Dibromofluoromethane	102				%	01/26/14	HM	70 - 130 %	

Project ID: 140 VANDERBILT AVE BKLYN NY

Client ID: HIGH TRIP BLANK

Phoenix I.D.: BG03050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	98			%	01/26/14	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:

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

February 03, 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

February 03, 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:		01/21/14	0:00
Location Code:	EBC	Received by:	SW	01/24/14	16:50
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG03031
Phoenix ID: BG03051

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: LOW TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Percent Solid	100	1		%	01/21/14		E160.3	
Field Extraction	Completed				01/21/14		SW5035	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
1,1-Dichloropropene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,3-Trichloropropane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	01/26/14	HM	SW8260	
1,2-Dibromoethane	0	5.0		ug/Kg	01/26/14	HM	SW8260	
1,2-Dichlorobenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloroethane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichlorobenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
1,4-Dichlorobenzene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
2,2-Dichloropropane	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
2-Hexanone	ND	25	2.3	ug/Kg	01/26/14	HM	SW8260	
2-Isopropyltoluene	ND	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	1

Project ID: 140 VANDERBILT AVE BKLYN NY
Client ID: LOW TRIP BLANK

Phoenix I.D.: BG03051

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorotoluene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	01/26/14	HM	SW8260	
Acetone	ND		30	5.0	ug/Kg	01/26/14	HM	SW8260	
Acrylonitrile	ND		5.0	2.8	ug/Kg	01/26/14	HM	SW8260	
Benzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromobenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromochloromethane	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromodichloromethane	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromoform	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Bromomethane	ND		5.0	3.9	ug/Kg	01/26/14	HM	SW8260	
Carbon Disulfide	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Chlorobenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Chloroethane	ND		5.0	1.2	ug/Kg	01/26/14	HM	SW8260	
Chloroform	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Chloromethane	ND		5.0	2.6	ug/Kg	01/26/14	HM	SW8260	
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Dibromochloromethane	ND		3.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Dibromomethane	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	01/26/14	HM	SW8260	
Ethylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Hexachlorobutadiene	ND		5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
Isopropylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
m&p-Xylene	ND		5.0	2.0	ug/Kg	01/26/14	HM	SW8260	
Methyl Ethyl Ketone	ND		30	4.3	ug/Kg	01/26/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	01/26/14	HM	SW8260	
Methylene chloride	1.8	J	5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Naphthalene	ND		5.0	1.3	ug/Kg	01/26/14	HM	SW8260	
n-Butylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
n-Propylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
o-Xylene	ND		5.0	1.9	ug/Kg	01/26/14	HM	SW8260	
p-Isopropyltoluene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
sec-Butylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Styrene	ND		5.0	1.4	ug/Kg	01/26/14	HM	SW8260	
tert-Butylbenzene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Tetrachloroethene	ND		5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
Tetrahydrofuran (THF)	ND		10	4.5	ug/Kg	01/26/14	HM	SW8260	1
Toluene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Total Xylenes	ND		5.0		ug/Kg	01/26/14	HM	SW8260	
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND		10	9.3	ug/Kg	01/26/14	HM	SW8260	
Trichloroethene	ND		5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	01/26/14	HM	SW8260	
Trichlorotrifluoroethane	ND		5.0	1.0	ug/Kg	01/26/14	HM	SW8260	
Vinyl chloride	ND		5.0	1.6	ug/Kg	01/26/14	HM	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	01/26/14	HM	70 - 121 %	

Project ID: 140 VANDERBILT AVE BKLYN NY

Client ID: LOW TRIP BLANK

Phoenix I.D.: BG03051

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Bromofluorobenzene	95			%	01/26/14	HM	59 - 113 %
% Dibromofluoromethane	100			%	01/26/14	HM	70 - 130 %
% Toluene-d8	97			%	01/26/14	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:

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 03, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBG03031 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG03031	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	250	1000	1000	ug/Kg
BG03031	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	250	1000	1000	ug/Kg
BG03031	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	250	1000	1000	ug/Kg
BG03031	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.0	2.6	3.3	3.3	ug/Kg
BG03031	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	66.3	0.34	50	50	mg/kg
BG03031	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.35	0.07	0.18	0.18	mg/Kg
BG03031	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	246	6.7	63	63	mg/Kg
BG03031	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	174	6.7	109	109	mg/Kg
BG03033	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	260	1000	1000	ug/Kg
BG03033	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	1000	1000	ug/Kg
BG03033	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.7	3.3	3.3	ug/Kg
BG03033	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	73.1	0.33	50	50	mg/kg
BG03033	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.84	0.07	0.81	0.81	mg/Kg
BG03033	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.84	0.07	0.81	0.81	mg/Kg
BG03033	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.84	0.07	0.18	0.18	mg/Kg
BG03033	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	44.7	0.33	30	30	mg/Kg
BG03033	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	455	6.7	400	400	mg/Kg
BG03033	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	455	6.7	400	400	mg/Kg
BG03033	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	455	6.7	63	63	mg/Kg
BG03033	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	395	6.7	109	109	mg/Kg
BG03034	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	50.4	0.35	30	30	mg/Kg
BG03035	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	250	1000	1000	ug/Kg
BG03035	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BG03035	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.9	2.6	3.3	3.3	ug/Kg
BG03035	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.5	2.6	3.3	3.3	ug/Kg

Sample Criteria Exceedences Report

GBG03031 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG03035	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.9	0.39	50	50	mg/kg
BG03035	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.42	0.07	0.81	0.81	mg/Kg
BG03035	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.42	0.07	0.81	0.81	mg/Kg
BG03035	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.42	0.07	0.18	0.18	mg/Kg
BG03035	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	394	7.7	63	63	mg/Kg
BG03035	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	411	7.7	109	109	mg/Kg
BG03036	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	103	0.7	63	63	mg/Kg
BG03037	$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG03037	$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG03037	$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
BG03037	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	1300	1000	1000	ug/Kg
BG03037	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	1300	1000	1000	ug/Kg
BG03037	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	1300	1000	1000	ug/Kg
BG03037	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	1000	1000	ug/Kg
BG03037	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	800	800	ug/Kg
BG03037	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	500	500	ug/Kg
BG03037	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	500	500	ug/Kg
BG03037	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	500	500	ug/Kg
BG03037	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	ug/Kg
BG03037	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	ug/Kg
BG03037	$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330	ug/Kg
BG03037	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	9.2	5	5	ug/Kg
BG03037	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03037	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	9.2	5	5	ug/Kg
BG03037	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03037	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03039	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	33.0	0.36	30		mg/Kg
BG03039	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	75.1	0.36	30	30	mg/Kg
BG03040	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.5	0.33	30		mg/Kg
BG03041	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.0	2.6	3.3	3.3	ug/Kg
BG03041	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.07	0.18	0.18	mg/Kg
BG03043	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BG03043	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	250	1000	1000	ug/Kg
BG03043	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BG03043	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.5	2.6	3.3	3.3	ug/Kg
BG03043	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	86.8	0.35	50	50	mg/kg
BG03043	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.74	0.09	0.81	0.81	mg/Kg

Sample Criteria Exceedences Report

GBG03031 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG03043	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.74	0.09	0.81	0.81	mg/Kg
BG03043	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.74	0.09	0.18	0.18	mg/Kg
BG03043	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	401	7.0	400	400	mg/Kg
BG03043	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	401	7.0	400	400	mg/Kg
BG03043	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	401	7.0	63	63	mg/Kg
BG03043	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Residential	5320	70	2200	2200	mg/Kg
BG03043	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	5320	70	109	109	mg/Kg
BG03044	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BG03044	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
BG03044	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BG03044	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.19	0.07	0.18	0.18	mg/Kg
BG03044	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	125	0.6	63	63	mg/Kg
BG03044	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	300	6.5	109	109	mg/Kg
BG03045	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	39.1	0.45	30		mg/Kg
BG03045	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.2	0.45	30	30	mg/Kg
BG03047	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.9	5	5	ug/Kg
BG03047	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03047	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.9	5	5	ug/Kg
BG03047	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03047	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BG03048	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2100	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2000	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3300	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3300	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3300	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	920	250	800	800	ug/Kg
BG03048	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2000	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	250	1000	1000	ug/Kg
BG03048	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	580	250	500	500	ug/Kg
BG03048	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	580	250	500	500	ug/Kg
BG03048	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	580	250	500	500	ug/Kg
BG03048	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.6	2.6	3.3	3.3	ug/Kg
BG03048	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	81.7	0.40	50	50	mg/kg
BG03048	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.77	0.08	0.18	0.18	mg/Kg
BG03048	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	89.0	0.40	30	30	mg/Kg

Sample Criteria Exceedences Report

GBG03031 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG03048	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	213	7.9	63	63	mg/Kg
BG03048	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	251	7.9	109	109	mg/Kg
BG03049	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1800	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
BG03049	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
BG03049	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.6	2.6	3.3	3.3	ug/Kg
BG03049	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	80.6	0.34	50	50	mg/kg
BG03049	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.40	0.08	0.18	0.18	mg/Kg
BG03049	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	217	6.8	63	63	mg/Kg
BG03049	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	247	6.8	109	109	mg/Kg
BG03050	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG03050	$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG03050	$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG03050	$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG03050	$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG03050	$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG03050	$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

February 03, 2014

SDG I.D.: GBG03031

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

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 Pg 1 of 2

Data Delivery:
- [ ] Fax #:
- [x] Email: csosik@elocincny.com

Customer: EBC
Address: Ridge NY

Project: 140 VANDERBILT AVE Bklyn NY
Report to:
Invoice to:

Project P.O:
Phone #: 631504 6000
Fax #:

Sampler's Signature: [signature] Date: 1.21.13

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	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
03031	SB3 0-2	S	1.21		x	x	x	x				1	1					
03032	SB3 14-16																	
03033	SB8 0-2																	
03034	SB8 14-16																	
03035	SB4 0-2																	
03036	SB4 6-8																	
03037	SB9 0-2																	
03038	SB9 8-10																	
03039	SB5 0-2																	
03040	SB5 6-8																	
03041	SB6 0-2																	
03042	SB6 6-8																	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-24-14	12:15
Arnold for RS		1/24/14	1650

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

Temp [illegible] Pg 2 of 2

Data Delivery:
- [ ] Fax #:
- [x] Email: CSOS1@eberlnc.com

Customer: EBC
Address: Ridge NY

Project: 140 VanderBilt Ave BKlyn NY
Report to:
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 1-21

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
03043	SB1 0-2	S	1-21		x	x	x	x								1	1	
03044	SB1 5-7	↓	↓		↓	↓	↓	↓								↓	↓	
03045	SB2 0-2	↓	↓		↓	↓	↓	↓								↓	↓	
03046	SB2 11-13	↓	↓		↓	↓	↓	↓								↓	↓	
03047	SB7 0-2	↓	↓		↓	↓	↓	↓								↓	↓	
03048	SB7 13-15	↓	↓		↓	↓	↓	↓								↓	↓	
03049	duplicate	↓	↓		↓	↓	↓	↓								1	1	
03050	hi trip blank				x						1							
03051	lo trip blank				x						2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-24-14	12:15
Planned for RS		1/24/14	1650

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.

Tuesday, February 04, 2014

Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 140 VANDERBILT AVE BROOKLYN
Sample ID#s: BG04747 - BG04752

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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:28
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04747

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-6

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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	29.9	*0.421*	71.0	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	0.52	*0.313*	1.66	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Client ID: SG-6

Phoenix I.D.: BG04747

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	1.05	*0.321*	3.27	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	0.07	*0.040*	0.440	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	5.15	*0.205*	25.1	*1.00*	01/31/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.35	*0.202*	1.73	*1.00*	01/31/14	KCA	TO15	
Ethanol	13.7	*0.531*	25.8	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	0.44	*0.278*	1.58	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	01/31/14	KCA	TO15	
Heptane	0.39	*0.244*	1.60	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	0.57	*0.284*	2.01	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	0.57	*0.407*	1.40	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	0.51	*0.230*	2.21	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	0.8	*0.339*	2.36	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	ND	*0.230*	ND	*1.00*	01/31/14	KCA	TO15	
Propylene	2.73	*0.581*	4.70	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.27	*0.037*	1.83	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	1.01	*0.266*	3.80	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.32	*0.178*	1.80	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.32	*0.130*	2.45	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	101	%	101	%	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04747

Client ID: SG-6

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:27
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04748

Project ID: 140 VANDERBILT AVE BROOKLYN
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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.98	*0.204*	4.81	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.29	*0.204*	1.42	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	36.9	*0.421*	87.6	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	0.46	*0.313*	1.47	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-4

Phoenix I.D.: BG04748

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND		*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND		*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	0.59		*0.321*	1.84	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	0.04		*0.040*	0.251	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND		*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND		*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	ND		*0.205*	ND	*1.00*	01/31/14	KCA	TO15	
Chloromethane	ND		*0.484*	ND	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	ND		*0.291*	ND	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND		*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.45		*0.202*	2.22	*1.00*	01/31/14	KCA	TO15	
Ethanol	54.2	E	*0.531*	102	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	0.69		*0.278*	2.48	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	0.35		*0.230*	1.52	*1.00*	01/31/14	KCA	TO15	
Heptane	0.45		*0.244*	1.84	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	0.7		*0.284*	2.46	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	0.82		*0.407*	2.01	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	1.26		*0.230*	5.47	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	0.64		*0.339*	1.89	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	0.29		*0.278*	1.04	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	ND		*0.288*	ND	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	0.62		*0.230*	2.69	*1.00*	01/31/14	KCA	TO15	
Propylene	3.43		*0.581*	5.90	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND		*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.18		*0.037*	1.22	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	1.44		*0.266*	5.42	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND		*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND		*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.21		*0.178*	1.18	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.21		*0.130*	1.61	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates									
% Bromofluorobenzene	100		%	100	%	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04748

Client ID: SG-4

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:49
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04749

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-1

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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.28	*0.204*	6.29	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.42	*0.204*	2.06	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	0.33	*0.204*	1.62	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	52.9	*0.421*	126	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-1

Phoenix I.D.: BG04749

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	1.53	*0.321*	4.76	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	01/31/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.33	*0.202*	1.63	*1.00*	01/31/14	KCA	TO15	
Ethanol	12.9	*0.531*	24.3	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	0.91	*0.278*	3.28	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	0.69	*0.230*	2.99	*1.00*	01/31/14	KCA	TO15	
Heptane	0.31	*0.244*	1.27	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	2.47	*0.230*	10.7	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	1.2	*0.339*	3.54	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	1.28	*0.230*	5.55	*1.00*	01/31/14	KCA	TO15	
Propylene	5.56	*0.581*	9.56	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.11	*0.037*	0.746	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	1.3	*0.266*	4.90	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.19	*0.178*	1.07	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.19	*0.130*	1.46	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	101	*%*	101	*%*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04749

Client ID: SG-1

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:32
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04750

Project ID: 140 VANDERBILT AVE BROOKLYN
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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	14	*0.421*	33.2	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	0.59	*0.313*	1.88	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-5

Phoenix I.D.: BG04750

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	0.4	*0.321*	1.24	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	0.06	*0.040*	0.377	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	0.53	*0.205*	2.59	*1.00*	01/31/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.49	*0.202*	2.42	*1.00*	01/31/14	KCA	TO15	
Ethanol	8.6	*0.531*	16.2	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	01/31/14	KCA	TO15	
Heptane	0.28	*0.244*	1.15	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	0.52	*0.284*	1.83	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	0.57	*0.407*	1.40	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	0.3	*0.230*	1.30	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	ND	*0.230*	ND	*1.00*	01/31/14	KCA	TO15	
Propylene	2.88	*0.581*	4.95	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.05	*0.037*	0.339	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	0.74	*0.266*	2.79	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.23	*0.178*	1.29	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.23	*0.130*	1.76	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	101	*%*	101	*%*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04750

Client ID: SG-5

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:24
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04751

Project ID: 140 VANDERBILT AVE BROOKLYN
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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.37	*0.204*	1.82	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	10.6	*0.421*	25.2	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	0.58	*0.313*	1.85	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-3

Phoenix I.D.: BG04751

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	0.38	*0.321*	1.18	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	0.07	*0.040*	0.440	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	01/31/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	ND	*0.291*	ND	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.39	*0.202*	1.93	*1.00*	01/31/14	KCA	TO15	
Ethanol	23.1	*0.531*	43.5	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	01/31/14	KCA	TO15	
Heptane	0.33	*0.244*	1.35	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	0.81	*0.284*	2.85	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	0.7	*0.230*	3.04	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	0.31	*0.230*	1.34	*1.00*	01/31/14	KCA	TO15	
Propylene	2.73	*0.581*	4.70	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.27	*0.037*	1.83	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	1.2	*0.266*	4.52	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.21	*0.178*	1.18	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.21	*0.130*	1.61	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	102	%	102	%	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04751

Client ID: SG-3

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

February 04, 2014

FOR: Attn: Ms Kristin Discenza
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/29/14	12:48
Location Code:	EBC	Received by:	SW	01/30/14	15:46
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG04747
Phoenix ID: BG04752

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-2

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*	01/31/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/31/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/31/14	KCA	TO15	
1,2,4-Trimethylbenzene	3.27	*0.204*	16.1	*1.00*	01/31/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/31/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/31/14	KCA	TO15	
1,3,5-Trimethylbenzene	1.01	*0.204*	4.96	*1.00*	01/31/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/31/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/31/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Ethyltoluene	0.66	*0.204*	3.24	*1.00*	01/31/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/31/14	KCA	TO15	
Acetone	33.7	*0.421*	80.0	*1.00*	01/31/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/31/14	KCA	TO15	
Benzene	2.6	*0.313*	8.30	*1.00*	01/31/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN
Client ID: SG-2

Phoenix I.D.: BG04752

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/31/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	01/31/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	01/31/14	KCA	TO15	
Carbon Tetrachloride	0.09	*0.040*	0.566	*0.25*	01/31/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/31/14	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	01/31/14	KCA	TO15	
Chloromethane	0.74	*0.484*	1.53	*1.00*	01/31/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Cyclohexane	1.86	*0.291*	6.40	*1.00*	01/31/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/31/14	KCA	TO15	
Dichlorodifluoromethane	0.37	*0.202*	1.83	*1.00*	01/31/14	KCA	TO15	
Ethanol	25.3	*0.531*	47.6	*1.00*	01/31/14	KCA	TO15	1
Ethyl acetate	0.34	*0.278*	1.22	*1.00*	01/31/14	KCA	TO15	1
Ethylbenzene	1.07	*0.230*	4.64	*1.00*	01/31/14	KCA	TO15	
Heptane	2.93	*0.244*	12.0	*1.00*	01/31/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/31/14	KCA	TO15	
Hexane	5.28	*0.284*	18.6	*1.00*	01/31/14	KCA	TO15	
Isopropylalcohol	1.57	*0.407*	3.86	*1.00*	01/31/14	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/31/14	KCA	TO15	
m,p-Xylene	3.53	*0.230*	15.3	*1.00*	01/31/14	KCA	TO15	
Methyl Ethyl Ketone	0.82	*0.339*	2.42	*1.00*	01/31/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/31/14	KCA	TO15	
Methylene Chloride	0.87	*0.288*	3.02	*1.00*	01/31/14	KCA	TO15	
n-Butylbenzene	0.2	*0.182*	1.10	*1.00*	01/31/14	KCA	TO15	1
o-Xylene	1.5	*0.230*	6.51	*1.00*	01/31/14	KCA	TO15	
Propylene	2.71	*0.581*	4.66	*1.00*	01/31/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/31/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/31/14	KCA	TO15	
Tetrachloroethene	0.38	*0.037*	2.58	*0.25*	01/31/14	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/31/14	KCA	TO15	1
Toluene	8.35	*0.266*	31.4	*1.00*	01/31/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/31/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/31/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/31/14	KCA	TO15	
Trichlorofluoromethane	0.22	*0.178*	1.24	*1.00*	01/31/14	KCA	TO15	
Trichlorotrifluoroethane	0.22	*0.130*	1.68	*1.00*	01/31/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/31/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	103	%	103	%	01/31/14	KCA	TO15	

Project ID: 140 VANDERBILT AVE BROOKLYN

Phoenix I.D.: BG04752

Client ID: SG-2

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.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

February 04, 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

QA/QC Report

February 04, 2014

QA/QC Data

SDG I.D.: GBG04747

QA/QC Batch 265982, QC Sample No: BG04747 (BG04747, BG04748, BG04749, BG04750, BG04751, BG04752)

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	124	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	105	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	102	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	106	71.0	70.0	29.9	29.5	1.3	70 - 130	20
Acrylonitrile	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	104	1.66	1.60	0.52	0.5	3.9	70 - 130	20
Benzyl chloride	ND	ND	140	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	126	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	100	3.27	3.14	1.05	1.01	3.9	70 - 130	20
Carbon Tetrachloride	ND	ND	114	0.440	0.377	0.07	0.06	15.4	70 - 130	20
Chlorobenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	102	25.1	24.7	5.15	5.06	1.8	70 - 130	20
Chloromethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	72	1.73	1.73	0.35	0.35	0.0	70 - 130	20
Ethanol	ND	ND	83	25.8	25.0	13.7	13.3	3.0	70 - 130	20

QA/QC Data

SDG I.D.: GBG04747

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
Ethyl acetate	ND	ND	114	1.58	1.58	0.44	0.44	0.0	70 - 130	20
Ethylbenzene	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	106	1.60	1.60	0.39	0.39	0.0	70 - 130	20
Hexachlorobutadiene	ND	ND	84	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	102	2.01	2.04	0.57	0.58	1.7	70 - 130	20
Isopropylalcohol	ND	ND	108	1.40	1.25	0.57	0.51	11.1	70 - 130	20
Isopropylbenzene	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	113	2.21	2.08	0.51	0.48	6.1	70 - 130	20
Methyl Ethyl Ketone	ND	ND	104	2.36	2.21	0.8	0.75	6.5	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Propylene	ND	ND	118	4.70	4.59	2.73	2.67	2.2	70 - 130	20
sec-Butylbenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	111	1.83	1.76	0.27	0.26	3.8	70 - 130	20
Tetrahydrofuran	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	112	3.80	3.73	1.01	0.99	2.0	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	108	1.80	1.80	0.32	0.32	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	99	2.45	2.45	0.32	0.32	0.0	70 - 130	20
Vinyl Chloride	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	104	104	102	101	101	101	101	0.0	70 - 130	20

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
February 04, 2014

Sample Criteria Exceedences Report

GBG04747 - 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. # 40C MICIP Page 1 of 1

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

Report to: Kristen
Customer: EBC
Address:

Invoice to: EBC

Sampled by: Chen Zhuoying

Project Name: 140 Vanderbilt Ave, Brooklyn
Criteria Requested: Deliverable: RCP ☐ MCP ☐
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	
04747	SG-6	12855	6.0	-30		4485	40	1047	1228	1-29	-30	-6		X			X
04748	SG-4	221				3414		1054	1227		-30	-5		X			X
04749	SG-1	12862				5040		1108	1249		-30	-6		X			X
04750	SG-5	488				5043		1050	1232		-30	-7		X			X
04751	SG-3	13638				3407		1057	1224		-29	-3		X			X
04752	SG-2	457				4957		1103	1248		-30	-6		X			X
	6L 2HR																

Relinquished by:	Accepted by:	Date:	Time:
		1-30-14	10:45
	FEDEX	1-30-14	15:46

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

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: