

**BLOCK 3141 - 1-37 FORREST STREET**

**BROOKLYN, NEW YORK 11206**

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# **Remedial Investigation Report**

**NYC VCP Site Number: 14CVCP225K**

**OER Site Number: 14EHAN365K**

**Prepared for:**

The Rabsky Group  
505 Flushing Avenue, Suite 1D  
Brooklyn, New York 11205

**Prepared by:**

***EBC***

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**FEBRUARY 2015**

# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

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

# CERTIFICATION

I, Kevin Brussee, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located at 1-37 Forrest Street, Brooklyn, NY, (NYC VCP Site No. 14CVCP225K). 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*  
Qualified Environmental Professional

*2/9/15*  
Date

*[Handwritten Signature]*  
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 consists of 16 adjacent lots located in the Bushwick Section of the Borough of Brooklyn, City of New York, Kings County, New York. Figure 1 shows the Site location. The street addresses associated with the Site are 1 to 37 Forrest Street, 2 to 36 Montieth Street, 479 to 499 Bushwick Avenue and 81 to 97 Stanwix Street, Brooklyn, New York 11206. The Site is identified as Block 3141, Lots 1, 5-8, 10-12, 14, 15, 18, 20-23, and 36 on the New York City (NYC) Tax Map. Combined, the 16 adjacent lots comprising the Site consist of 423.25 feet of street frontage on Forrest Street, 200.06 feet of street frontage on Stanwix Street, 419.25 feet of street frontage on Montieth and 200.04 feet of street frontage along Evergreen Avenue for a total of approximately 62,352 square feet (s.f.). A map of the Site is shown on Figure 2.

The majority of the Site is undeveloped and uncapped. However, a small abandoned one story commercial building is constructed on Lot 18, and the eastern end of the Site is paved with asphalt and used for parking. The perimeter of the Site is surrounded by an 8ft high fence.

### Summary of Proposed Redevelopment Plan

The development project consists of dividing Block 3141 into two separate redevelopment areas. Stanwix Street Apartments will be constructed on the eastern end of Block 3141, and will be bordered by Montieth Street to the north, Forrest Street to the south and Stanwix Street to the east. Stanwix Street Apartments will be an 8-story apartment building with a full cellar level that will be constructed across the entire 55.5ft by 200ft lot.

The remainder of Block 3141 will be developed with an 8-story mixed use (retail and residential) building. The building will have a full cellar level finished as a parking garage with an underground retail space and will have a ground floor level that will consist of residential apartments that face a center courtyard, an open air dog park, a screening room, lounge, media



room, fitness center consisting of a gym, climbing wall, and yoga room, the residential lobby that includes a lounge, library, leasing office, mail room, package room, laundry room and kids play room. Floors two through eight will be residential apartments. The open courtyard and dog park will be constructed above the sub-cellar level parking garage.

The building will require excavation for the majority of the new lot to a depth of approximately 15 feet along Montieth Street sloping to an excavation depth of approximately 20 feet along Forrest Street. A portion of the new lot will require minimal excavation for construction of the dog park, and the vehicle ramp that provides access to the cellar parking level will be excavated from 2 to 15 feet. The water table is expected at a depth of approximately 42 feet below grade surface (bgs), and will therefore not be encountered during excavation.

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

### **Summary of Past Uses of Site and Areas of Concern**

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

#### *Northeast Portion of the Block 3141 - 26-36 Monteith Street*

In 1888 the northeast portion of Block 3141 was developed with 4 houses, 2 stores, stables and a shed. From 1907 to 1951, the northeast portion of Block 3141 was developed with two 5-story apartment buildings, 2 stores and 2 houses. From 1951 to 1968 the northeast portion of Block 3141 was developed with a house and two 5-story apartment buildings. The house and 2 apartment buildings were demolished in the late 1960's. The northeast portion of Block 3141 has been utilized as a parking lot since building demolition.

#### *Southeast Portion of Block 3141- 27-37 Forrest Street*

In 1888, the southeast portion of Block 3141 was developed with five houses and a store. From 1907 to 1933, the southeast portion of Block 3141 was additionally developed with a one-story commercial building (27 Forrest Street) occupied by a wagon shed. From 1933 to 1951, the



commercial building was occupied by a box storage facility and the store was replaced by a factory. From 1951 to 1981, the southeast portion of Block 3141 was only developed with the commercial building. This building was occupied by a saw dust storage facility from 1951 to 1965 and by a metal working garage from 1965 to 1981. The southeast portion of Block 3141 has been used as a parking lot since 1982.

*Northwest Portion of Block 3141 - 2-24 Monteith Street and 479-489 Bushwick Avenue*

In 1888, the northwest portion of Block 3141 was developed with 8 houses, a tailor shop, 5 stores, a stable and sheds. From 1907 to 1933, the northwest portion of Block 3141 was developed with two 5-story apartment buildings, in addition to the four houses and 5 stores. From 1933 to 1951, the northwest portion of Block 3141 (20-24 Monteith Street) was developed with a one-story commercial building occupied by a garage in addition to the stores and apartment buildings. A gasoline tank was located in the northeast portion of the garage. From 1951 to 1965, the commercial building previously occupied by a garage was occupied by a paper goods manufacturing facility and the synagogue was replaced by a church. From 1965 to 1977, the Site remained primarily unchanged with the exception that the northwest corner at 8 Monteith Street was developed with the present day single-story structure occupied by an iron working facility. From 1977 to 1979, the northeast portion of Block 3141 was developed with the paper goods manufacturing facility, a church, a house, apartment building. The apartment building, church building and paper goods manufacturing facility were demolished in the late 1970's to mid 1980's. As of 1986, the northwest portion of Block 3141 has only been developed with the iron working facility building constructed in the 1960's.

*Southwest Portion of Block 3141 - 491-501 Bushwick Avenue and 1-25 Forrest Street*

In 1888, the southwest portion of Block 3141 was developed with 2 houses, a store, sheds and a large manufacturing facility utilized by the Claus Lipsius Brewery. The large manufacturing facility was labeled as non-operational on the 1907 to 1933 Sanborn maps, but a machine shop operated in the eastern portion of the building. From 1933 to 1951, the southwest portion of Block 3141 at 13-25 Forrest Street was developed with a portion of the brewery structure marked for occupancy as a loft. The southwest portion at 1-11 Forrest Street was developed with a 2-story commercial building used as a garage. An underground gasoline tank is drawn in the southwest portion of this garage building on the Sanborn maps. From 1951 to 1965, the



southwest portion of Block 3141 remained unchanged with the exception that the commercial building previously used as a garage was used as a loft. From 1965 to 1981, the large manufacturing facility was used by the Sthal Soap Corporation and from 1977 to 1981, manufacturing operations were conducted in the 2-story building located at 1-11 Forrest Street. The 2-story manufacturing building and the large manufacturing building were demolished in the early 1980's. The southwest portion of Block 314 has been vacant and undeveloped since 1986.

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

1. The presence of historic fill material to depths as great as 15 feet below grade.
2. Historic use of the southeast portion of the Site as a factory and metal working garage.
3. Historic use of the northwest portion of the Site as a garage with a gasoline tank in northeast portion of the garage, paper goods manufacturing, and iron working facility.
4. Historic use of the southwest portion of the Site as a brewery, machine shop, garage, and soap manufacturing facility.

### **Summary of the Work Performed under the Remedial Investigation**

EBC performed the following scope of work at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings (SB1-SB9) across Block 3141 in February of 2014, and collected 18 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 2 additional soil borings (SB10 and SB11) in December of 2014, and collected 4 additional soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 6 groundwater monitoring wells across Block 3141 and collected 5 groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 7 soil vapor implants across Block 3141 and collected 6 soil vapor samples in April of 2014 for chemical analysis; and
6. Installed 1 additional soil vapor implant and collected 1 additional soil vapor sample in January of 2015 for chemical analysis.



## Summary of Environmental Findings

1. The elevation of the Site varies between 42 feet and 50 feet.
2. Depth to groundwater at the Site is approximately 42 feet.
3. Regional groundwater flow is generally west-northwest.
4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site consists of a layer of historic fill that extends to a depths as great as 15 feet below grade, underlain by native brown silty sand.
6. Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). Data collected during the RI showed one VOC, methylene chloride (max of 52 µg/kg) above its Unrestricted Use SCO, but well below its Restricted Residential Use SCO. Several other VOCs were present at concentrations below Unrestricted Use SCOs including 1,2,3-trichlorobenzene (60 µg/kg), acetone (max of 21 µg/kg), carbon disulfide (max of 10 µg/kg), naphthalene (max of 560 µg/kg), tetrachloroethene (max of 95 µg/kg), toluene (70 µg/kg), and trichloroethylene (2.0 µg/kg). Seven SVOCs, benz(a)anthracene (max of 7,300 µg/kg), benzo(a)pyrene (max of 6,000 µg/kg), benzo(b)fluoranthene (max of 8,300 µg/kg), chrysene (max of 6,800 µg/kg), dibenz(a,h)anthracene (max of 1,100 µg/kg), and indeno(1,2,3-cd)pyrene (max of 4,100 µg/kg) were detected above Restricted Residential Use SCOs within the soil samples collected from the historic fill layer. The only PCB detected in any of the soil samples was PCB-1254 (max of 440 µg/kg) which was detected in two shallow soil samples at a concentration above Unrestricted Use SCOs, but below its Restricted Residential Use SCO. The pesticides 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above Unrestricted Use SCOs within 5 of the 11 shallow soil samples retained from the historic fill layer. No pesticides or PCBs were detected within any of the deeper soil samples collected at the Site. The metals arsenic (max 20.8 mg/kg), cadmium (max 8.53 mg/kg), and lead (max 1160 mg/kg) were detected above Restricted Residential Use SCOs. Overall, the soil results were consistent with data identified at sites with historic fill material in NYC.
7. Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during

the RI showed no PCBs or pesticides at detectable concentrations. Chlorinated VOCs, including 1,1,1-trichloroethane (max of 2.1 µg/L), 1,1-dichloroethane (2 µg/L), chloroform (max of 1.1 µg/L), cis-1,2-dichloroethene (max of 2.8 µg/L), tetrachloroethene (max of 11 µg/L), trans-1,2-dichloroethene (0.39 µg/L), and trichloroethene (max of 9.8 µg/L), were detected within four of the five groundwater samples, with only trichloroethene (TCE) and tetrachloroethene (PCE) concentrations above GQS. Five SVOCs including, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above GQS within the groundwater samples. Five metals including iron (max. of 0.73 mg/L), magnesium (43.1 mg/L), manganese (max of 3.22 mg/L), selenium (0.012 mg/L), and sodium (max of 104 mg/L) exceeded their respective GQS in the one groundwater sample submitted for laboratory analysis of dissolved metals.

8. Soil vapor results collected during the RI were compared to the compounds listed in Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 108.64 micrograms per cubic meter (µg/m<sup>3</sup>). The chlorinated VOC tetrachloroethene (PCE) was detected in all six soil gas samples ranging in concentration from 1.69 µg/m<sup>3</sup> to 277 µg/m<sup>3</sup> (SG5). Trichloroethene (TCE) was detected in five of the six soil vapor samples at a maximum concentration of 102 µg/m<sup>3</sup> (SG1). Carbon tetrachloride was detected within three of the six soil vapor samples (max of 0.503 µg/m<sup>3</sup>) and 1,1,1-trichloroethane (TCA) was detected in two of the six soil vapor samples (max of 6.98 µg/m<sup>3</sup>). The carbon tetrachloride and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The concentrations of PCE and TCE were above the mitigation guidance matrix established by NYSDOH.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

The Rabsky Group has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.43-acre Site (Block 3141) located at 1-37 Forrest Street in the Bushwick section of Brooklyn, New York. The Site will be redeveloped with two separate 8-story buildings. The larger 8-story mixed building (residential and retail) will be constructed across the majority of the Site and the smaller 8-story HPD residential building (Stanwix Street Apartments) will be located on the east end of Block 3141. The portion of the RI work conducted on the Site was conducted from February to December of 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

### 1.1 Site Location and Current Usage

The Site consists of 16 adjacent lots located in the Bushwick Section of the Borough of Brooklyn, City of New York, Kings County, New York. Figure 1 shows the Site location. The street addresses associated with the Site are 1 to 37 Forrest Street, 2 to 36 Montieth Street, 479 to 499 Bushwick Avenue and 81 to 97 Stanwix Street, Brooklyn, New York 11206. The Site is identified as Block 3141, Lots 1, 5-8, 10-12, 14, 15, 18, 20-23, and 36 on the New York City (NYC) Tax Map. Combined, the 16 adjacent lots comprising the Site consist of 423.25 feet of street frontage on Forrest Street, 200.06 feet of street frontage on Stanwix Street, 419.25 feet of street frontage on Montieth and 200.04 feet of street frontage along Evergreen Avenue for a total of approximately 62,352 square feet (s.f.). A map of the Site is shown on Figure 2.

The majority of the Site is undeveloped and uncapped. However, a small abandoned one story commercial building is constructed on Lot 18, and the eastern end of the Site is paved with asphalt and used for parking. The perimeter of the Site is surrounded by an 8ft high fence.

## 1.2 Proposed Redevelopment Plan

The development project consists of dividing Block 3141 into two separate redevelopment areas. Stanwix Street Apartments will be constructed on the eastern end of Block 3141, and will be bordered by Montieth Street to the north, Forrest Street to the south and Stanwix Street to the east. Stanwix Street Apartments will be an 8-story apartment building with a full cellar level that will be constructed across the entire 55.5ft by 200ft lot.

The remainder of Block 3141 will be developed with an 8-story mixed use (retail and residential) building. The building will have a full sub-cellar level finished as a parking garage with an underground retail space and will have a ground floor level that will consist of residential apartments that face a center courtyard, an open air dog park, a screening room, lounge, media room, fitness center consisting of a gym, climbing wall, and yoga room, the residential lobby that includes a lounge, library, leasing office, mail room, package room, laundry room and kids play room. Floors two through eight will be residential apartments. The open courtyard and dog park will be constructed above the sub-cellar level parking garage.

The building will require excavation for the majority of the new lot to a depth of approximately 15 feet along Montieth Street sloping to an excavation depth of approximately 20 feet along Forrest Street. A portion of the new lot will require minimal excavation for construction of the dog park, and the vehicle ramp that provides access to the cellar parking level will be excavated from 2 to 15 feet. The water table is expected at a depth of approximately 42 feet below grade surface (bgs), and will therefore not be encountered during excavation.

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

## 1.3 Description of Surrounding Property

The area immediately surrounding Site consists of numerous new 3-story multi-family walk-ups to the south, vacant and undeveloped lots (Block 3139) to the north, a mix of commercial and residential properties to the west and a 220,000 ft<sup>2</sup> one-story industrial/manufacturing building to

the east. Figure 4 shows the surrounding land usage of adjacent properties as well as additional properties located up to 500 feet away from the Site. A NYC public school (PS 145) is located approximately 400 ft to the east. No other hospitals, schools or daycare facilities are located within a 250 ft radius of the Site.

## 2.0 SITE HISTORY

### 2.1 Past Uses and Ownership

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

#### *Northeast Portion of the Block 3141 - 26-36 Monteith Street*

In 1888 the northeast portion of Block 3141 was developed with 4 houses, 2 stores, stables and a shed. From 1907 to 1951, the northeast portion of Block 3141 was developed with two 5-story apartment buildings, 2 stores and 2 houses. From 1951 to 1968 the northeast portion of Block 3141 was developed with a house and two 5-story apartment buildings. The house and 2 apartment buildings were demolished in the late 1960's. The northeast portion of Block 3141 has been utilized as a parking lot since building demolition.

#### *Southeast Portion of Block 3141- 27-37 Forrest Street*

In 1888, the southeast portion of Block 3141 was developed with five houses and a store. From 1907 to 1933, the southeast portion of Block 3141 was additionally developed with a one-story commercial building (27 Forrest Street) occupied by a wagon shed. From 1933 to 1951, the commercial building was occupied by a box storage facility and the store was replaced by a factory. From 1951 to 1981, the southeast portion of Block 3141 was only developed with the commercial building. This building was occupied by a saw dust storage facility from 1951 to 1965 and by a metal working garage from 1965 to 1981. The southeast portion of Block 3141 has been used as a parking lot since 1982.

#### *Northwest Portion of Block 3141 - 2-24 Monteith Street and 479-489 Bushwick Avenue*

In 1888, the northwest portion of Block 3141 was developed with 8 houses, a tailor shop, 5 stores, a stable and sheds. From 1907 to 1933, the northwest portion of Block 3141 was developed with two 5-story apartment buildings, in addition to the four houses and 5 stores. From 1933 to 1951, the northwest portion of Block 3141 (20-24 Monteith Street) was developed with a one-story commercial building occupied by a garage in addition to the stores and apartment buildings. A gasoline tank was located in the northeast portion of the garage. From 1951 to 1965, the commercial building previously occupied by a garage was occupied by a paper goods manufacturing facility and the synagogue was replaced by a church. From 1965 to 1977,

the Site remained primarily unchanged with the exception that the northwest corner at 8 Monteith Street was developed with the present day single-story structure occupied by an iron working facility. From 1977 to 1979, the northeast portion of Block 3141 was developed with the paper goods manufacturing facility, a church, a house, apartment building. The apartment building, church building and paper goods manufacturing facility were demolished in the late 1970's to mid 1980's. As of 1986, the northwest portion of Block 3141 has only been developed with the iron working facility building constructed in the 1960's.

#### *Southwest Portion of Block 3141 - 491-501 Bushwick Avenue and 1-25 Forrest Street*

In 1888, the southwest portion of Block 3141 was developed with 2 houses, a store, sheds and a large manufacturing facility utilized by the Claus Lipsius Brewery. The large manufacturing facility was labeled as non-operational on the 1907 to 1933 Sanborn maps, but a machine shop operated in the eastern portion of the building. From 1933 to 1951, the southwest portion of Block 3141 at 13-25 Forrest Street was developed with a portion of the brewery structure marked for occupancy as a loft. The southwest portion at 1-11 Forrest Street was developed with a 2-story commercial building used as a garage. An underground gasoline tank is drawn in the southwest portion of this garage building on the Sanborn maps. From 1951 to 1965, the southwest portion of Block 3141 remained unchanged with the exception that the commercial building previously used as a garage was used as a loft. From 1965 to 1981, the large manufacturing facility was used by the Sthal Soap Corporation and from 1977 to 1981, manufacturing operations were conducted in the 2-story building located at 1-11 Forrest Street. The 2-story manufacturing building and the large manufacturing building were demolished in the early 1980's. The southwest portion of Block 314 has been vacant and undeveloped since 1986.

## **2.2 Previous Investigations**

A Phase I Environmental Site Assessment was performed by IVI Assessment Services, Inc. in June of 2012 for the Site and adjacent properties (Block 3139 and Block 3152). The IVI Assessment Services, Inc. Phase I Report noted the following:

- Block 3141 has historically been developed with apartment buildings, parking garages, a gasoline service station, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility.

- From at least 1933 to 1951, underground gasoline tanks were located within the parking garage buildings located on Lots 1 and 15.
- New York City Building Department records indicate a gasoline station operated on Lots 21 and 22.
- A petroleum stain was observed on the slab on grade floor of the interior of the vacant building on Lot 8.
- Manufacturing facilities and auto repair facilities have historically been identified on properties adjacent and surrounding the Site.

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

### 2.3 Site Inspection

Mr. Kevin Waters of EBC performed a site inspection on January 16, 2014, beginning at approximately 7:00 am. The reconnaissance included a visual inspection of the property and the sidewalk around the perimeter of the Site. At the time of the Site inspection, the majority of the Site was undeveloped and uncapped. However, a small abandoned one story commercial building was constructed on Lot 18, and the eastern end of the Site was paved with asphalt and used for parking. The perimeter of the Site was surrounded by an 8ft high fence.

No evidence of an aboveground or underground storage tank was observed during the site inspection.

### 2.4 Areas of Concern

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

1. The presence of historic fill material to depths as great as 15 feet.
2. Historic use of the southeast portion of the Site as a factory and metal working garage.
3. Historic use of the northwest portion of the Site as a garage with a gasoline tank in northeast portion of the garage, paper goods manufacturing, and iron working facility.
4. Historic use of the southwest portion of the Site as a brewery, machine shop, garage, and soap manufacturing facility.

### **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 at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings (SB1-SB9) across Block 3141 in February of 2014, and collected 18 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 2 additional soil borings (SB10 and SB11) in December of 2014, and collected 4 additional soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 6 groundwater monitoring wells across Block 3141 and collected 5 groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 7 soil vapor implants across Block 3141 and collected 6 soil vapor samples in April of 2014 for chemical analysis; and
6. Installed 1 additional soil vapor implant and collected 1 additional soil vapor sample in January of 2015 for chemical analysis.

### 4.1 Geophysical Investigation

A geophysical investigation consisting of a ground penetrating radar (GPR) survey was performed on January 14, 2014 by NOVA Geophysical Services. The GPR survey was conducted across all accessible areas of the Site, but also was focused on the areas of the underground gasoline storage tanks noted on historic Sanborn maps. No anomalies indicative of an underground storage tank were identified.

### 4.2 Borings and Monitoring Wells

#### Drilling and Soil Logging

On February 26, 2014, nine soil borings (SB1 through SB9) were installed across the entire Site in the approximate locations shown on Figure 5. The nine soil boring locations were chosen to gain representative soil quality information across the Site. An additional two soil borings (SB10 and SB11) were installed on December 12, 2014 (Figure 5). For each of the eleven soil borings, soil samples were collected continuously from grade to a final depth of 15 feet below existing grade using a five-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of

VOCs with a photoionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were detected. From each soil boring, soil samples were retained for laboratory analysis from the intervals 0 to 2 feet below grade and 13 to 15 feet below grade.

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

### **Groundwater Monitoring Well Construction**

In February to March of 2014, six temporary 1-inch diameter PVC monitoring wells (MW1-MW6) were installed by EBC at the approximate locations shown on Figures 5. The six monitoring wells consisted of 10 feet of 0.010 slot screen set to intersect the water table. Each of the monitoring wells was installed at a depth of approximately 50 feet below grade. Monitoring well sampling details are provided in Table 1. During groundwater sampling, monitoring well MW3 was found damaged and EBC was unable to collect a groundwater sample. Monitoring well locations are shown in Figure 5.

### **Survey**

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

### **Water Level Measurement**

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

## **4.3 Sample Collection and Chemical Analysis**

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature

and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

### **Soil Sampling**

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

The twenty-two soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

### **Groundwater Sampling**

Five groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a stainless steel check valve. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals (total and dissolved). Groundwater sample collection data is reported in Tables 6 through 10. Sampling logs with information on purging and sampling of groundwater monitoring wells are included in Appendix C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

## Soil Vapor Sampling

In February of 2014, seven soil vapor probes (SG1-SG7) were installed. Six soil vapor samples were collected from the seven soil vapor probes for chemical analysis during this RI because soil vapor implant SB-3 was destroyed prior to sampling. An additional soil vapor probe (SG-8) was installed in December of 2014, and the additional soil vapor sample was collected in January of 2015. The collection location of the seven soil vapor samples is shown on Figure 5. Soil vapor sample collection data is reported in Table 11, and the soil vapor sampling logs are included in Attachment D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

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

Soil vapor sampling for the seven soil vapor probes installed in February of 2014 was conducted on April 24, 2014. Soil vapor sampling for the additional soil vapor probe installed in December of 2014 was conducted on January 20, 2015. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15

minutes. The tracer gas test procedure was employed at all soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

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

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

### Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and groundwater analytical methods: <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> Soil vapor analytical methods: <ul style="list-style-type: none"> <li>• VOCs by TO-15 VOC parameters.</li> </ul>

## 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 E.

## 5.0 ENVIRONMENTAL EVALUATION

### 5.1 Geological and Hydrogeological Conditions

#### Stratigraphy

The stratigraphy of the Site consists of a layer of historic fill that extends to depths as great as 15 feet below grade, underlain by native brown silty sand.

#### Hydrogeology

The elevation of the Site increases by approximately 8 to 10 feet from the north end of the Site to the south end of the Site. The average depth to groundwater is 42 feet. Regional groundwater flow is generally west-northwest.

### 5.2 Soil Chemistry

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

Data collected during the RI showed one VOC, methylene chloride (maximum [max] of 52  $\mu\text{g}/\text{kg}$ ) above its Unrestricted Use SCO, but well below its Restricted Residential Use SCO. Several other VOCs were present at a concentration below Unrestricted Use SCOs including 1,2,3-trichlorobenzene (60  $\mu\text{g}/\text{kg}$ ), acetone (max of 21  $\mu\text{g}/\text{kg}$ ), carbon disulfide (max of 10  $\mu\text{g}/\text{kg}$ ), methyle chloride (max of 52  $\mu\text{g}/\text{kg}$ ), naphthalene (max of 560  $\mu\text{g}/\text{kg}$ ), tetrachloroethene (max of 95  $\mu\text{g}/\text{kg}$ ), toluene (70  $\mu\text{g}/\text{kg}$ ), and trichloroethylene (2.0  $\mu\text{g}/\text{kg}$ ). Seven SVOCs, benz(a)anthracene (max of 7,300  $\mu\text{g}/\text{kg}$ ), benzo(a)pyrene (max of 6,000  $\mu\text{g}/\text{kg}$ ), benzo(b)fluoranthene (max of 8,300  $\mu\text{g}/\text{kg}$ ), chrysene (max of 6,800  $\mu\text{g}/\text{kg}$ ), dibenz(a,h)anthracene (max of 1,100  $\mu\text{g}/\text{kg}$ ), and indeno(1,2,3-cd)pyrene (max of 4,100  $\mu\text{g}/\text{kg}$ ) were detected above Restricted Residential Use SCOs within the soil samples collected from the historic fill layer. The only PCB detected in any of the soil samples was PCB-1254 (max of 440  $\mu\text{g}/\text{kg}$ ) which was detected in two shallow soil samples at a concentration above Unrestricted Use SCOs, but below its Restricted Residential Use SCO. The pesticides 4'4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above Unrestricted Use SCOs within 5 of the 11 shallow soil

samples retained from the historic fill layer. No pesticides or PCBs were detected within any of the deeper soil samples collected at the Site. Several metals including arsenic (max of 20.8 mg/kg), barium (max of 391 mg/kg), cadmium (max of 8.53 mg/kg), chromium (max of 56.5 mg/kg), copper (max of 63.5 mg/kg), lead (max of 1,160 mg/kg), mercury (max of 0.55 mg/kg), and zinc (max of 770 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, arsenic, cadmium and lead also exceeded Restricted Residential Use SCOs. The metals arsenic (max 20.8 mg/kg), cadmium (max 8.53 mg/kg), and lead (max 1160 mg/kg) were detected above Restricted Residential Use SCOs.

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

### 5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater for 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) for the RI. A copy of the laboratory report for the groundwater samples is provided in Attachment D.

Groundwater samples collected during the RI showed no PCBs or pesticides at detectable concentrations. Chlorinated VOCs, including 1,1,1-trichloroethane (max of 2.1 µg/L), 1,1-dichloroethane (2 µg/L), 1,1-dichloroethene (2.1 µg/L), chloroform (max of 1.1 µg/L), cis-1,2-dichloroethene (max of 2.8 µg/L), tetrachloroethene (max of 11 µg/L), trans-1,2-dichloroethene (0.39 µg/L) and trichloroethene (max of 9.8 µg/L), were detected within the four of the five groundwater samples with only trichloroethene (TCE) and tetrachloroethene (PCE) concentrations were above GQS. Five SVOCs including, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above GQS within the groundwater samples. Five metals including iron (max of 0.73 mg/L), magnesium (43.1 mg/L), manganese (max of 3.22 mg/L), selenium (0.012 mg/L), and sodium (max of 104 mg/L) exceeded their respective GQS in the one groundwater sample submitted for laboratory analysis of dissolved metals.

## 5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor for both the 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.

Data collected during the RI indicated petroleum related VOCs were present at low concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 108.64 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). The chlorinated VOC tetrachloroethene (PCE) was detected in all six soil gas samples ranging in concentration from 1.69  $\mu\text{g}/\text{m}^3$  to 277  $\mu\text{g}/\text{m}^3$  (SG5). Trichloroethene (TCE) was detected in five of the six soil vapor samples at a maximum concentration of 102  $\mu\text{g}/\text{m}^3$  (SG1). Carbon tetrachloride was detected within three of the six soil vapor samples (max of 0.503  $\mu\text{g}/\text{m}^3$ ) and 1,1,1-trichloroethane (TCA) was detected in all two of the six soil vapor samples (max of 6.98  $\mu\text{g}/\text{m}^3$ ). The carbon tetrachloride and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The concentrations of PCE and TCE were above the mitigation guidance matrix established by NYSDOH.

## 5.4 Prior Activity

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

## 5.5 Impediments to Remedial Action

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

# **TABLES**

Table 1  
 Rheingold - Block 3141  
 1-37 Forrest Street, Brooklyn, NY  
 Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	2/26/2014	15	2	Geoprobe	-	-
B2	2/26/2014	15	2	Geoprobe	-	-
B3	2/26/2014	15	2	Geoprobe	-	-
B4	2/26/2014	15	2	Geoprobe	-	-
B5	2/26/2014	15	2	Geoprobe	-	-
B6	2/26/2014	15	2	Geoprobe	-	-
B7	2/26/2014	15	2	Geoprobe	-	-
B8	2/26/2014	15	2	Geoprobe	-	-
B9	2/26/2014	15	2	Geoprobe	-	-
B10	12/12/2014	15	2	Geoprobe	-	-
B11	12/12/2014	15	2	Geoprobe	-	-
MW1	2/26/2014	50	1	PVC	10.00	42
MW2	2/26/2014	50	1	PVC	10.00	42
MW4	2/26/2014	50	1	PVC	10.00	42
MW5	2/26/2014	50	1	PVC	10.00	42
MW6	2/26/2014	50	1	PVC	10.00	42



TABLE 3  
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		SB10		SB11					
			(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")			
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	
1,2,4,5-Tetrachlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2,4-Trichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2-Diphenylhydrazine			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,3-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,4-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4,5-Trichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4,6-Trichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dimethylphenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dinitrophenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
2,4-Dinitrotoluene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,6-Dinitrotoluene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Chloronaphthalene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Chlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Methylnaphthalene			< 540	540	< 250	250	< 260	260	< 250	250	<b>170</b>	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Methylphenol (o-cresol)	330	100,000	< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
2-Nitrophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
3&4-Methylphenol (m&p-cresol)			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
3,3'-Dichlorobenzidine			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
3-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
4,6-Dinitro-2-methylphenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
4-Bromophenyl phenyl ether			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Chloro-3-methylphenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Chloroaniline			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
4-Chlorophenyl phenyl ether			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
4-Nitrophenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
Acenaphthene	20,000	100,000	< 540	540	< 250	250	<b>310</b>	260	< 250	250	<b>500</b>	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Acenaphthylene	100,000	100,000	<b>270</b>	540	< 250	250	<b>200</b>	260	< 250	250	<b>250</b>	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Acetophenone			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Aniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1900	1,900	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1900	1,900	< 1900	1,900		
Anthracene	100,000	100,000	<b>590</b>	540	< 250	250	<b>1,000</b>	260	< 250	250	<b>1,400</b>	270	< 1,900	1,900	<b>3,100</b>	2,600	< 260	260	< 250	250	<b>4,400</b>	2,70	< 250	250	<b>2,400</b>	2,500		
Benz(a)anthracene	1,000	1,000	<b>3,000</b>	540	< 250	250	<b>3,400</b>	260	< 250	250	<b>3,400</b>	270	< 1,900	1,900	<b>7,300</b>	2,600	< 260	260	< 250	250	<b>6,100</b>	2,70	< 250	250	<b>6,600</b>	3,000		
Benzidine			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
Benzofluorene	1,000	1,000	<b>3,100</b>	540	< 250	250	<b>3,400</b>	260	< 250	250	<b>3,200</b>	270	< 1,900	1,900	<b>6,000</b>	2,600	< 260	260	< 250	250	<b>7,700</b>	2,70	< 250	250	<b>6,000</b>	3,000		
Benzofluoranthene	1,000	1,000	<b>4,400</b>	540	< 250	250	<b>4,200</b>	260	< 250	250	<b>4,300</b>	270	< 1,900	1,900	<b>8,300</b>	2,600	< 260	260	< 250	250	<b>1,100</b>	2,70	< 250	250	<b>7,800</b>	3,000		
Benzofluoranthene	100,000	100,000																										

TABLE 4  
 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		SB10		SB11																																			
			(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)																																		
			µg/Kg	µg/Kg	µg/Kg																																																					
			2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014																																
Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL																																	
4,4'-DDD	3.3	13,000	7.9	2.6	<2.6	2.6	<2.6	2.6	<2.6	2.6	<4.6	4.6	<13	13	<13	13	<2.6	2.6	11	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	7.6	2.8	<2.6	2.6	<2.7	2.7	<2.6	2.6	<2.1	2.1	<2.2	2.2	<11	11	<2.2	2.2												
4,4'-DDE	3.3	8,900	14	2.8	<2.6	2.6	<2.6	2.6	<2.6	2.6	<24	24	<13	13	<13	13	<2.6	2.6	18	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	11	2.8	<2.6	2.6	<5.3	5.3	<2.6	2.6	<2.1	2.1	<2.2	2.2	<11	11	<2.2	2.2												
4,4'-DDT	3.3	7,900	20	2.8	<2.6	2.6	<2.6	2.6	<2.6	2.6	<74	74	<13	13	<13	13	<2.6	2.6	19	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	17	2.8	<2.6	2.6	<4.6	4.6	<2.6	2.6	<2.1	2.1	<2.2	2.2	<65	65	<2.2	2.2												
a-BHC	20	480	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<5.6	5.6	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3								
Alachlor			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.7	3.7	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	-	-	-	-	-	-	-	-	-	-										
Aldrin	5	97	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<3.8	3.8	<9.2	9.2	<8.9	8.9	<1.8	1.8	<4.0	4.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6				
b-BHC	36	360	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Chlordane	94	4,200	<23	23	<22	22	<22	22	<22	22	<23	23	<110	110	<110	110	<22	22	<24	24	<23	23	<23	23	<22	22	<22	22	<22	22	<23	23	<22	22	<23	23	<21	21	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6												
d-BHC	40	100,000	<1.9	1.9	<1.8	1.8	<4.3	4.3	<1.8	1.8	<6.1	6.1	<9.2	9.2	<8.9	8.9	<1.8	1.8	<5.6	5.6	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Dieldrin	5	200	<2.7	2.7	<1.8	1.8	<3.6	3.6	<1.8	1.8	<8.4	8.4	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6
Endosulfan I	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endosulfan II	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endosulfan sulfate	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endrin	14	11,000	<2.3	2.3	<1.8	1.8	<3.6	3.6	<1.8	1.8	<4.2	4.2	<29	29	<8.9	8.9	<1.8	1.8	<4.0	4.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Endrin aldehyde			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endrin ketone			<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3
g-BHC	100	280	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.4	1.4	<1.5	1.5	<7.6	7.6	<1.5	1.5				
g-Chlordane			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<9.2	9.2	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<3.6	3.6	<3.7	3.7	<3.8	3.8	<3.5	3.5	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6				
Heptachlor	42	2,100	<2.3	2.3	<1.8	1.8	<2.2	2.2	<1.8	1.8	<11	11	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<2.3	2.3	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Heptachlor epoxide			<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Methoxychlor			<92	92	<7.3	7.3	<65	65	<7.2	7.2	<110	110	<55	55	<71	71	<7.2	7.2	<16	16	<7.6	7.6	<15	15	<7.2	7.2	<7.5	7.5	<7.3	7.3	<7.7	7.7	<7.4	7.4	<80	80	<7.1	7.1	<36	36	<37	37	<190	190	<36	36												
Toxaphene			<190	190	<180	180	<180	180	<180	180	<190	190	<920	920	<890	890	<180	180	<200	200	<190	190	<190	190	<180	180	<190	190	<180</																													

TABLE 5  
 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		SB10		SB11																									
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')																							
			mg/kg																																													
			2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014																						
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL																								
Aluminum			7,410	37	5,030	32	6,660	36	6,760	34	10,100	40	6,780	36	6,810	36	6,160	38	12,300	37	12,800	37	11,600	37	6,950	36	12,500	36	6,790	36	7,700	36	12,700	40	8,340	39	5,360	33	7,010	51	11,500	54	8,570	52	9,310	56		
Antimony			<1.8	1.8	<1.6	1.6	<1.8	1.8	<1.7	1.7	<2.0	2	<1.8	1.8	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<2.0	2	<2.0	2	<1.7	1.7	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.7	3.7				
Arsenic	13	16	5.8	0.7	1.6	0.6	4.8	0.7	2.4	0.7	7	0.8	20.8	0.7	3.9	0.7	2.7	0.6	7.5	0.7	3.2	0.7	6.1	0.7	1.9	0.7	9.5	0.7	1.8	0.7	9.2	0.7	1.8	0.6	4.9	0.6	1.5	0.7	1.5	0.7	4.6	0.7	3.3	0.7				
Barium	350	400	240	0.7	33	0.6	145	0.7	48.9	0.7	80	0.8	133	0.7	69.3	0.7	44.2	0.8	102	0.7	47.9	0.7	89.8	0.7	49.2	0.7	159	0.7	36.9	0.7	222	0.7	59.3	0.8	272	0.8	35.6	0.7	37.4	0.34	32.7	0.36	98.7	0.35	391	0.37		
Beryllium	7.2	72	0.41	0.29	0.36	0.26	0.51	0.28	0.45	0.27	0.56	0.32	0.41	0.28	0.4	0.29	0.55	0.3	0.61	0.29	0.52	0.29	0.49	0.29	0.5	0.29	0.61	0.29	0.54	0.29	0.48	0.29	0.61	0.32	0.5	0.31	0.38	0.27	0.42	0.27	0.56	0.29	0.43	0.28	0.5	0.3		
Cadmium	2.5	4.3	0.64	0.37	0.24	0.32	0.45	0.36	0.26	0.34	0.42	0.4	1.6	0.36	0.4	0.36	0.38	0.38	0.64	0.37	<0.37	0.37	0.27	0.37	0.2	0.36	0.61	0.36	0.33	0.36	1.23	0.36	0.24	0.4	0.53	0.39	0.18	0.33	<0.34	0.34	<0.36	0.36	0.93	0.35	8.53	0.37		
Calcium			51,200	37	1,050	32	25,500	36	8,730	34	64,700	40	58,900	36	19,600	36	1,650	38	9,120	37	1,270	37	15,200	37	1,180	36	1,790	36	1,360	36	12,700	36	1,320	40	20,500	39	1,250	33	594	5.1	753	5.4	33,500	52	20,700	56		
Chromium	30	180	22.4	0.37	13.1	0.32	28	0.36	16	0.34	19.1	0.4	19.2	0.36	17.4	0.36	18	0.38	56.5	0.37	27.3	0.37	26.6	0.37	24.6	0.36	24.6	0.36	25.7	0.36	20.1	0.36	45	0.4	18.6	0.39	14.7	0.33	15.9	0.34	20.8	0.36	17.1	0.35	18.7	0.37		
Cobalt			3.8	0.37	4.88	0.32	4.52	0.36	6.64	0.34	4.38	0.4	5	0.36	6.35	0.36	7.06	0.38	5.51	0.37	6.59	0.37	5.95	0.37	5.24	0.36	7.51	0.36	6.53	0.36	5.71	0.36	9.76	0.4	5.5	0.39	4.78	0.33	6.45	0.34	8.95	0.36	4.96	0.35	8.53	0.37		
Copper	50	270	30.3	0.37	13.5	0.32	22.2	0.36	20.7	0.34	19	0.4	30.2	0.36	29.4	0.36	20.5	0.38	30.5	0.37	16.5	0.37	27.6	0.37	15.6	0.36	38.2	0.36	23.7	0.36	63.5	0.36	21.9	0.4	54.2	0.39	13	0.33	16.2	0.34	18.8	0.36	33.7	0.35	27.7	0.37		
Iron			14,500	37	16,400	32	16,900	36	19,800	34	16,200	40	17,200	36	16,300	36	24,100	38	22,100	37	21,100	37	25,200	37	17,000	37	17,000	36	30,800	36	24,800	36	21,300	36	24,900	40	18,700	39	14,000	33	16,300	51	23,300	54	18,000	52	17,800	56
Lead	63	400	210	7.4	5.3	0.6	239	7.1	13.5	0.7	37.3	0.8	92.6	0.7	121	0.7	7.2	0.8	146	7.3	14.8	0.7	123	0.7	5.1	0.7	292	7.3	6.2	0.7	405	7.3	5.6	0.8	1,160	7.8	6.1	0.7	5.08	0.34	7.66	0.36	176	3.5	655	3.7		
Magnesium			2,730	3.7	1,840	3.2	5,120	3.6	3,160	3.4	4,140	4	2,800	3.6	5,780	3.6	1,760	3.6	2,390	3.7	2,080	3.7	2,210	3.7	2,170	3.6	2,520	3.6	2,520	3.6	4,520	3.6	5,840	4	3,590	3.9	1,900	3.3	1,990	5.1	2,110	5.4	4,770	5.2	4,310	5.6		
Manganese	1,600	2,000	258	3.7	396	3.2	495	3.6	631	3.4	380	4	260	3.6	351	3.6	524	3.8	293	3.7	173	3.7	348	3.7	285	3.6	535	3.6	342	3.6	306	3.6	1,060	4	445	3.9	338	3.3	335	3.4	166	3.6	378	3.5	390	3.7		
Mercury	0.18	0.81	0.3	0.08	<0.07	0.07	0.29	0.08	<0.08	0.08	0.19	0.07	0.22	0.07	0.52	0.06	<0.06	0.06	0.22	0.08	<0.08	0.08	0.23	0.07	<0.06	0.06	0.47	0.08	<0.09	0.09	0.55	0.08	<0.07	0.07	0.53	0.08	<0.07	0.07	<0.07	0.07	<0.09	0.09	0.41	0.08	0.13	0.07		
Nickel	30	310	13.2	0.37	10.9	0.32	11.7	0.36	12.1	0.34	11.6	0.4	12.9	0.36	11.9	0.36	13.4	0.38	13.9	0.37	15.4	0.37	97.4	0.37	11.5	0.36	15.7	0.36	11.8	0.36	25.8	0.36	23.8	0.4	12.6	0.39	10.1	0.33	10.8	0.34	13.8	0.36	13.8	0.35	14.1	0.37		
Potassium			1,090	7	913	6	1,360	7	1,290	7	1,640	8	1,020	7	1,110	7	1,290	8	1,150	7	878	7	1,130	7	1,420	7	954	7.3	1,690	7	911	7	2,610	8	831	8	1,290	7	1,280	5.1	1,150	5.4	1,180	5.2	2,240	5.6		
Selenium	3.9	180	<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.5	1.5
Silver	2	180	<0.37	0.37	<0.32	0.32	<0.36	0.36	<0.34	0.34	<0.40	0.4	<0.36	0.36	<0.36	0.36	<0.38	0.38	<0.37	0.37	<0.37	0.37	<0.37	0.37	<0.36	0.36	<0.36	0.36	<0.36	0.36	<0.40	0.4	<0.39	0.39	<0.33	0.33	<0.34	0.34	<0.36	0.36	<0.35	0.35	<0.37	0.37				
Sodium			445	7	74	6	425	7	107	7	677	8	272	7	254	7	167	8	192	7	74	7	212	7	228	7	419	7	167	7	225	7	222	8	803	8	169	7	317	5.1	224	5.4	697	5.2	210	5.6		
Thallium			<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<1.3	1.3	<3.1	3.1	<3.2	3.2	<3.1	3.1	<3.4	3.4		
Vanadium			29.7	0.4	19.5	0.3	28.5	0.4	35.5	0.3	31.1	0.4	23.8	0.4	27.1	0.4	33.9	0.4	33.9	0.4	35	0.4	54.3	0.4	27.2	0.4	37.2	0.4	47.8	0.4	33	0.4	53.4	0.4	27.6	0.4	.	0.3	23.9	0.34	32.3	0.36	31	0.35	29.7	0.37		
Zinc	109	10,000	193	7.4	21.9	0.6	150	7.1	28.5	0.7	143	0.8	295	7.1	80.5	0.7	27.1	0.8	124	0.7	70	0.7	81.3	0.7	28.6	0.7	157	7.3	28	0.7	260	7.3	60.2	0.8	143	0.8	21.8	0.7	24.5	0.34	29.6	0.36	231	3.5	770	3.7		

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

Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
		1,1,1,2-Tetrachloroethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1,1-Trichloroethane	5	<5.0	5	<b>0.42</b>	5	<b>2.1</b>	5	<5.0	5	<5.0	5
1,1,2,2-Tetrachloroethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1,2-Trichloroethane	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1-Dichloroethane	5	<5.0	5	<5.0	5	<b>2</b>	5	<5.0	5	<5.0	5
1,1-Dichloroethene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1-Dichloropropene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,3-Trichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,3-Trichloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,4-Trichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,4-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dibromo-3-chloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dibromoethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dichlorobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dichloroethane	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6
1,2-Dichloropropane	0.94	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,3,5-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,3-Dichlorobenzene	5	<3	3	<3	3	<3	3	<3	3	<3	3
1,3-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,4-Dichlorobenzene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
2,2-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Hexanone (Methyl Butyl Ketone)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Isopropyltoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
4-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
4-Methyl-2-Pentanone		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Acetone		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Acrolein		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Acrylonitrile	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Benzene	1	<0.70	0.7	<0.70	0.7	<0.70	0.7	<0.70	0.7	<0.70	0.7
Bromobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromochloromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromodichloromethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromoform		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Bromomethane	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Carbon Disulfide	60	<b>0.31</b>	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Carbon tetrachloride	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Chlorobenzene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Chloroethane	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Chloroform	7	<b>1.1</b>	5	<b>0.77</b>	5	<b>1.1</b>	5	<5.0	5	<5.0	5
Chloromethane	60	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
cis-1,2-Dichloroethane	5	<b>2.8</b>	1	<1.0	1	<1.0	1	<1.0	1	<b>0.62</b>	1
cis-1,3-Dichloropropene		<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4
Dibromochloromethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Dibromomethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Dichlorodifluoromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Ethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Hexachlorobutadiene	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5
Isopropylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
m&p-Xylenes	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methyl Ethyl Ketone (2-Butanone)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methyl t-butyl ether (MTBE)	10	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methylene chloride	5	<3.0	3	<3.0	3	<3.0	3	<3.0	3	<3.0	3
Naphthalene	10	<1.0	1	<1.0	1	<1.0	1	<b>0.43</b>	1	<1.0	1
n-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
n-Propylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
o-Xylene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
p-Isopropyltoluene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
sec-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Styrene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
tert-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Tetrachloroethane	5	<b>11</b>	1	<b>1.2</b>	1	<b>0.56</b>	1	<1.0	1	<b>8.5</b>	1
Tetrahydrofuran (THF)		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Toluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
trans-1,2-Dichloroethane	5	<b>0.39</b>	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
trans-1,3-Dichloropropene	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4
trans-1,4-dichloro-2-butene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Trichloroethane	5	<b>9.8</b>	1	<b>0.69</b>	1	<b>0.88</b>	1	<1.0	1	<b>3.3</b>	1
Trichlorofluoromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Trichlorotrifluoroethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Vinyl Chloride	2	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1

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

TABLE 7  
 Groundwater Analytical Results  
 Semi-Volatile Organic Compounds

		Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L			
		Result	RL										
		µg/L		µg/L		µg/L		µg/L		µg/L			
1,2,4,5-Tetrachlorobenzene		<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5		
Acenaphthylene		<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1		
Benzo(a)anthracene	0.002	<b>0.03</b>	0.02	<b>0.05</b>	0.02	<b>0.03</b>	0.02	<b>0.49</b>	0.02	<b>0.03</b>	0.02		
Benzo(a)pyrene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.42</b>	0.02	<0.02	0.02		
Benzo(b)fluoranthene	0.002	<0.02	0.02	<b>0.03</b>	0.02	<0.02	0.02	<b>0.06</b>	0.02	<0.02	0.02		
Benzo(g,h,i)perylene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.27</b>	0.02	<0.02	0.02		
Benzo(k)fluoranthene	0.002	<0.02	0.02	<b>0.02</b>	0.02	<0.02	0.02	<b>0.32</b>	0.02	<0.02	0.02		
Bis(2-ethylhexyl)phthalate	5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<b>3</b>	1.6	<1.6	1.6		
Chrysene	0.002	<0.02	0.02	<b>0.04</b>	0.02	<0.02	0.02	<b>0.47</b>	0.02	<0.02	0.02		
Dibenzo(a,h)anthracene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02		
Hexachlorobenzene	0.04	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02		
Hexachloroethane	5	<2.4	2.4	<2.4	2.4	<2.4	2.4	<2.4	2.4	<2.4	2.4		
Indeno(1,2,3-cd)pyrene	0.002	<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.21</b>	0.02	<0.02	0.02		
Pentachloronitrobenzene		<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1		
Pentachlorophenol		<0.80	0.8	<0.80	0.8	<0.80	0.8	<0.80	0.8	<0.80	0.8		
Phenanthrene	50	<0.10	0.1	<0.10	0.1	<0.10	0.1	<b>1.4</b>	0.1	<0.10	0.1		
1,2,4-Trichlorobenzene		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
1,2-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
1,2-Diphenylhydrazine		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
1,3-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
1,4-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4,5-Trichlorophenol	3	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4,6-Trichlorophenol	3	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dichlorophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dimethylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dinitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dinitrotoluene	5	<5.0	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	<5.0	5		
2-Chloronaphthalene	10	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Chlorophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2-Methylnaphthalene		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Methylphenol (o-cresol)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Nitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
3&4-Methylphenol (m&p-cresol)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
3,3'-Dichlorobenzidine	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
3-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4,6-Dinitro-2-methylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
4-Bromophenyl phenyl ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Chloro-3-methylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
4-Chloroaniline	5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5		
4-Chlorophenyl phenyl ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Nitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Acenaphthene	20	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Acetophenone		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Aniline		<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5		
Anthracene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Benidine	5	<5	5	<5	5	<5	5	<5	5	<5	5		
Benzoic Acid		<25	25	<25	25	<25	25	<25	25	<25	25		
Benzyl Butyl phthalate		<5.0	5	<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	<5.0	5		
Bis(2-chloroethyl)ether	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Bis(2-chloroisopropyl)ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Carbazole		<25	25	<25	25	<25	25	<25	25	<25	25		
Dibenzofuran		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Diethylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Dimethylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Di-n-butylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Di-n-octylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Fluoranthene	50	<5.0	5	<5.0	5	<5.0	5	<b>2.1</b>	5	<5.0	5		
Fluorene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Hexachlorobutadiene	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5		
Hexachlorocyclopentadiene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Isophorone	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Naphthalene	10	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Nitrobenzene	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4		
N-Nitrosodimethylamine		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
N-Nitrosodi-n-propylamine		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
N-Nitrosodiphenylamine	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Phenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Pyrene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Pyridine		<10	10	<10	10	<10	10	<10	10	<10	10		

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8  
 Groundwater Analytical Results  
 Pesticides/PCBs

Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL								
		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	< 0.072	0.072
PCB-1232	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1248	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1260	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1268	0.09	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
4,4-DDD	0.3	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
4,4-DDE	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
4,4-DDT	0.11	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
a-BHC	0.94	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
a-Chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Alachlor		< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.75	0.75	< 0.075	0.075
Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.015	0.015	< 0.002	0.002
b-BHC	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Chlordane	0.05	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03	< 0.15	0.15	< 0.030	0.03
d-BHC	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Dieldrin	0.004	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.015	0.015	< 0.002	0.002
Endosulfan I		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endosulfan II		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endrin		< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Endrin aldehyde	5	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endrin ketone		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
g-Chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Heptachlor	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Heptachlor epoxide	0.03	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Methoxychlor	35	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 1.0	1	< 0.10	0.1
Toxaphene		< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 2.0	2	< 0.20	0.2

Notes:

RL - Reporting Limit

**Bold/highlighted**- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9  
 Groundwater Analytical Results  
 TAL Metals

		Block 3141									
Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		MW2		MW4		MW5		MW6	
		3/27/2014 mg/L		3/27/2014 mg/L		3/27/2014 mg/L		3/27/2014 mg/L		3/27/2014 mg/L	
		Result	RL								
Aluminum	NS	<b>120</b>	0.1	<b>41.5</b>	0.1	<b>60.4</b>	0.1	<b>0.577</b>	0.01	<b>0.08</b>	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	<b>0.03</b>	0.004	<b>0.01</b>	0.004	<b>0.016</b>	0.004	< 0.004	0.004	< 0.004	0.004
Barium	1	<b>1.65</b>	0.01	<b>0.666</b>	0.01	<b>0.834</b>	0.01	<b>0.05</b>	0.01	<b>0.105</b>	0.01
Beryllium	0.003	<b>0.008</b>	0.001	<b>0.003</b>	0.001	<b>0.004</b>	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	<b>0.009</b>	0.004	<b>0.003</b>	0.004	<b>0.004</b>	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	<b>97</b>	0.01	<b>81.8</b>	0.01	<b>91.5</b>	0.01	<b>175</b>	0.1	<b>135</b>	0.01
Chromium	0.05	<b>0.604</b>	0.001	<b>0.2</b>	0.001	<b>0.211</b>	0.001	<b>0.003</b>	0.001	<b>0.003</b>	0.001
Cobalt	NS	<b>0.315</b>	0.005	<b>0.086</b>	0.005	<b>0.119</b>	0.005	<b>0.002</b>	0.005	< 0.005	0.005
Copper	0.2	<b>0.676</b>	0.005	<b>0.188</b>	0.005	<b>0.267</b>	0.005	<b>0.006</b>	0.005	<b>0.002</b>	0.005
Iron	0.5	<b>388</b>	0.1	<b>115</b>	0.01	<b>184</b>	0.1	<b>1.46</b>	0.01	<b>0.31</b>	0.01
Lead	0.025	<b>0.258</b>	0.002	<b>0.075</b>	0.002	<b>0.081</b>	0.002	<b>0.006</b>	0.002	< 0.002	0.002
Magnesium	35	<b>83</b>	0.1	<b>39.9</b>	0.01	<b>54.3</b>	0.01	<b>24.8</b>	0.01	<b>45</b>	0.01
Manganese	0.3	<b>29.4</b>	0.5	<b>6.09</b>	0.05	<b>9.1</b>	0.05	<b>0.322</b>	0.005	<b>0.339</b>	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	<b>0.0004</b>	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	<b>0.459</b>	0.004	<b>0.119</b>	0.004	<b>0.172</b>	0.004	<b>0.008</b>	0.004	<b>0.005</b>	0.004
Potassium	NS	<b>31</b>	0.1	<b>12.2</b>	0.1	<b>17.5</b>	0.1	<b>18.2</b>	0.1	<b>7.2</b>	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	<b>0.011</b>	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	< 0.005	0.005
Sodium	2	<b>90.3</b>	1	<b>97.5</b>	1	<b>86.2</b>	1	<b>46.1</b>	0.1	<b>82.5</b>	1
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	<b>0.308</b>	0.01	<b>0.099</b>	0.01	<b>0.166</b>	0.01	< 0.010	0.01	< 0.010	0.01
Zinc	2	<b>0.951</b>	0.01	<b>0.206</b>	0.01	<b>0.503</b>	0.01	<b>0.054</b>	0.01	<b>0.004</b>	0.01

Notes:

NS - No Standard

RL - Reporting Limit

**Bold/highlighted-** Indicated exceedance of the NYSDEC Groundwater Standard

Table 10  
 Groundwater Analytical Results  
 TAL Filtered Metals

Block 3141											
Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 3/27/2014 mg/L		MW2 3/27/2014 mg/L		MW4 3/27/2014 mg/L		MW5 3/27/2014 mg/L		MW6 3/27/2014 mg/L	
		Result	RL								
		Aluminum	NS	<b>0.51</b>	0.01	<b>0.54</b>	0.01	<b>0.02</b>	0.01	<b>0.02</b>	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Barium	1	<b>0.057</b>	0.011	<b>0.055</b>	0.011	<b>0.098</b>	0.011	<b>0.045</b>	0.011	<b>0.102</b>	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	<b>0</b>	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	<b>65.6</b>	0.01	<b>70.4</b>	0.01	<b>80.9</b>	0.01	<b>168</b>	0.11	<b>131</b>	0.01
Chromium	0.05	<b>0.003</b>	0.001	<b>0.002</b>	0.001	< 0.001	0.001	< 0.001	0.001	<b>0.002</b>	0.001
Cobalt	NS	<b>0.008</b>	0.005	<b>0.001</b>	0.005	< 0.005	0.005	<b>0.001</b>	0.005	< 0.005	0.005
Copper	0.2	<b>0.002</b>	0.005	<b>0.002</b>	0.005	< 0.005	0.005	<b>0.003</b>	0.005	<b>0.002</b>	0.005
Iron	0.5	<b>0.73</b>	0.01	<b>0.7</b>	0.01	<b>0.08</b>	0.01	<b>0.45</b>	0.01	<b>0.07</b>	0.01
Lead	0.025	< 0.002	0.002	< 0.002	0.002	< 0.021	0.021	<b>0.002</b>	0.002	< 0.002	0.002
Magnesium	35	<b>25.2</b>	0.01	<b>21.7</b>	0.01	<b>27</b>	0.01	<b>23.2</b>	0.01	<b>43.1</b>	0.01
Manganese	0.3	<b>3.22</b>	0.053	<b>0.29</b>	0.005	<b>0.086</b>	0.005	<b>0.31</b>	0.005	<b>0.362</b>	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	<b>0.017</b>	0.004	<b>0.005</b>	0.004	<b>0.004</b>	0.004	<b>0.006</b>	0.004	<b>0.005</b>	0.004
Potassium	NS	<b>7</b>	0.1	<b>3.9</b>	0.1	<b>6.2</b>	0.1	<b>18.7</b>	0.1	<b>8.1</b>	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	<b>0.012</b>	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	< 0.005	0.005
Sodium	2	<b>92.9</b>	1.1	<b>104</b>	1.1	<b>95.7</b>	1.1	<b>46.2</b>	0.11	<b>83.6</b>	1.1
Thallium	0.0005	< 0.0005	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	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01
Zinc	2	<b>0.007</b>	0.011	<b>0.003</b>	0.011	<b>0.006</b>	0.011	<b>0.036</b>	0.011	<b>0.005</b>	0.011

Notes:

NS - No Standard

RL - Reporting Limit

**Bold/highlighted-** Indicated exceedance of the NYSDEC Groundwater Standard

COMPOUNDS	NYSDOH Maximum Sub Slab Value ( $\mu\text{g}/\text{m}^3$ ) <sup>(a)</sup>	SG-1 ( $\mu\text{g}/\text{m}^3$ )		SG-2 ( $\mu\text{g}/\text{m}^3$ )		SG-4 ( $\mu\text{g}/\text{m}^3$ )		SG-5 ( $\mu\text{g}/\text{m}^3$ )		SG-6 ( $\mu\text{g}/\text{m}^3$ )		SG-7 ( $\mu\text{g}/\text{m}^3$ )		SG-8 ( $\mu\text{g}/\text{m}^3$ )	
		4/24/2014		4/24/2014		4/24/2014		4/24/2014		4/24/2014		4/24/2014		1/20/2015	
		Result	RL												
1,1,1,2-Tetrachloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1,1-Trichloroethane	100	<1.00	1	2.56	1	6.98	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1,2-Tetrachloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1,2-Trichloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1-Dichloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1-Dichloroethene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2,4-Trichlorobenzene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2,4-Trimethylbenzene		16.9	1	9.24	1	12.1	1	11.2	1	16	1	25	1	141	1
1,2-Dibromoethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichlorobenzene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichloropropane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichlorotetrafluoroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,3,5-Trimethylbenzene		5.65	1	3.1	1	4.32	1	3.39	1	5.36	1	7.22	1	48.8	1
1,3-Butadiene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,3-Dichlorobenzene		4.75	1	1.14	1	<1.00	1	3.42	1	2.94	1	12.8	1	<1.00	1
1,4-Dichlorobenzene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,4-Dioxane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
2-Hexanone		<1.00	1	<1.00	1	29.5	1	1.8	1	<1.00	1	10.2	1	<1.00	1
4-Ethyltoluene		3.29	1	1.92	1	2.36	1	1.72	1	3.19	1	5.5	1	42.2	1
4-Isopropyltoluene		2.47	1	1.15	1	1.59	1	1.43	1	2.14	1	1.92	1	5.54	1
4-Methyl-2-pentanone		1.72	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	1.43	1	<1.00	1
Acetone		275	1	760	1	738	1	82.8	1	3,090	1	1,030	1	<1.00	1
Acrylonitrile		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Benzene		1.5	1	2.65	1	<1.00	1	<1.00	1	4.34	1	2.94	1	105	1
Benzyl Chloride		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Bromodichloromethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	1.34	1	<1.00	1	<1.00	1
Bromoform		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Bromomethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Carbon Disulfide		3.61	1	8.84	1	4.64	1	7.44	1	7.59	1	3.61	1	<1.00	1
Carbon Tetrachloride	5	<0.25	0.25	<0.25	0.25	<0.25	0.25	0.251	0.25	0.44	0.25	0.503	0.25	0.503	0.25
Chlorobenzene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Chloroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Chloroform		23.3	1	11.7	1	6.1	1	1.22	1	571	1	7.12	1	<1.00	1
Chloromethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	1.53	1	<1.00	1
cis-1,2-Dichloroethene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
cis-1,3-Dichloropropene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Cyclohexane		9.7	1	4.78	1	3.58	1	2.58	1	7.81	1	9.29	1	279	1
Dibromochloromethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Dichlorodifluoromethane		11.1	1	2.62	1	2.17	1	47.5	1	6.42	1	2.42	1	<1.00	1
Ethanol		39.4	1	50.8	1	43.5	1	18.4	1	124	1	76.4	1	1,200	1
Ethyl Acetate		<1.00	1	<1.00	1	<1.00	1	1.15	1	<1.00	1	<1.00	1	<1.00	1
Ethylbenzene		3.04	1	5.08	1	4.6	1	1.04	1	10	1	6.77	1	164	1
Heptane		8.93	1	15.6	1	13.4	1	<1.00	1	39.8	1	12.3	1	313	1
Hexachlorobutadiene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Hexane		10.4	1	9.62	1	9.19	1	2.92	1	27.8	1	15.6	1	303	1
Isopropylalcohol		31.7	1	36.8	1	69.5	1	8.3	1	243	1	102	1	6.36	1
Isopropylbenzene		1.28	1	<1.00	1	<1.00	1	<1.00	1	1.52	1	1.57	1	15.9	1
Xylene (m&p)		8.33	1	14.9	1	17	1	3.38	1	31.9	1	23.9	1	660	1
Methyl Ethyl Ketone		32.4	1	125	1	258	1	15.6	1	584	1	197	1	4.83	1
MTBE		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Methylene Chloride		1.08	1	<1.00	1	<1.00	1	1.67	1	26.3	1	1.04	1	<1.00	1
n-Butylbenzene		2.8	1	1.54	1	2.14	1	2.08	1	2.58	1	3.24	1	10.8	1
Xylene (o)		3.52	1	5.12	1	6.51	1	1.74	1	11.2	1	9.5	1	224	1
Propylene		14	1	18.7	1	32.7	1	5.62	1	163	1	92.5	1	<1.00	1
sec-Butylbenzene		1.37	1	<1.00	1	<1.00	1	<1.00	1	1.32	1	<1.00	1	5.16	1
Styrene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Tetrachloroethene	100	63.4	0.25	3.05	0.25	61.2	0.25	277	0.25	2.64	0.25	1.69	0.25	6.57	0.25
Tetrahydrofuran		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Toluene		21.1	1	30.7	1	16.1	1	5.69	1	51.2	1	24.5	1	456	1
trans-1,2-Dichloroethene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
trans-1,3-Dichloropropene		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Trichloroethene	5	102	0.25	<0.25	0.25	0.483	0.25	36.2	0.25	0.698	0.25	0.322	0.25	<0.25	0.25
Trichlorofluoromethane		39.5	1	1.4	1	4.6	1	350	1	3.48	1	1.35	1	30.6	1
Trichlorotrifluoroethane		<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Vinyl Chloride		<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25
BTEX		37.49		58.45		44.21		11.85		108.64		67.61		1609	

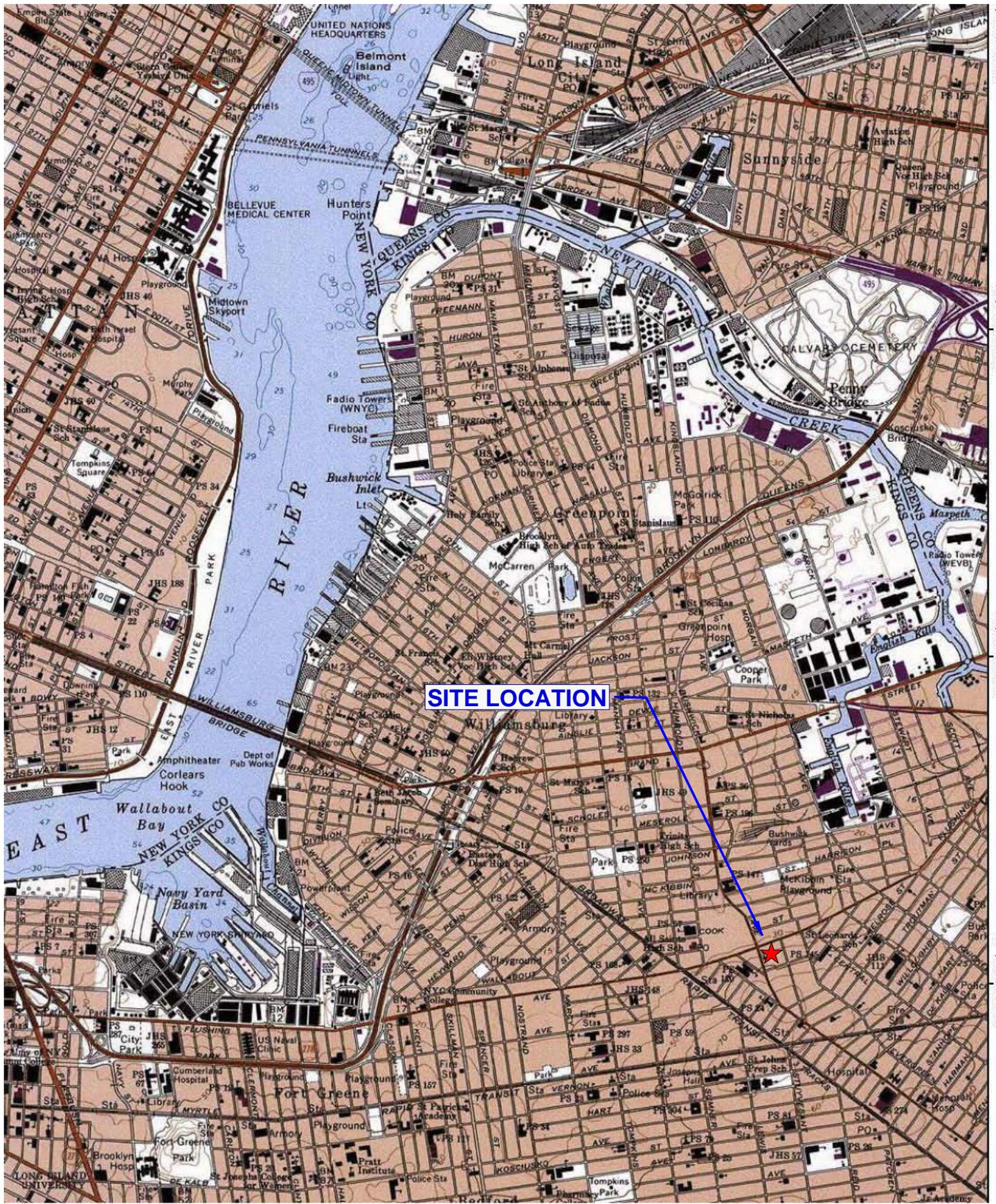
Notes:

NA - No guidance value or standard available

RL - Reporting Limit

(a) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

# **FIGURES**



40°45.000' N

40°44.000' N

40°43.000' N

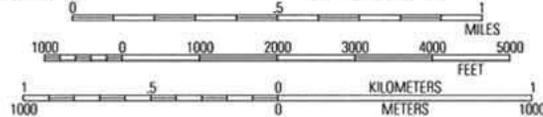
40°42.000' N

73°59.000' W

73°58.000' W

73°57.000' W

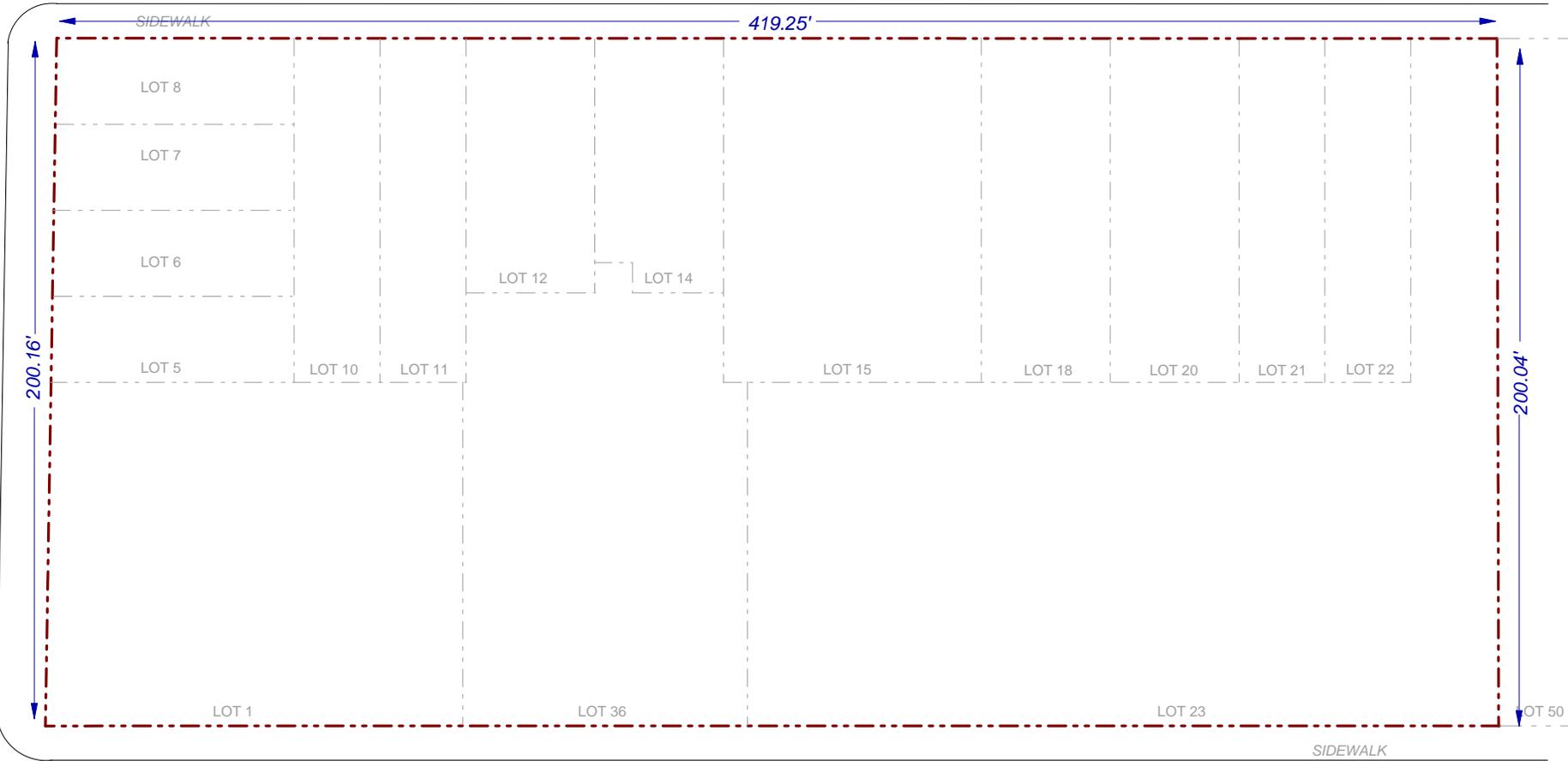
WGS84 73°56.000' W



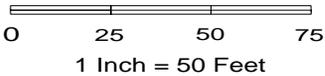
06/04/11

MONTIETH STREET

BUSHWICK AVENUE



SCALE:



KEY:

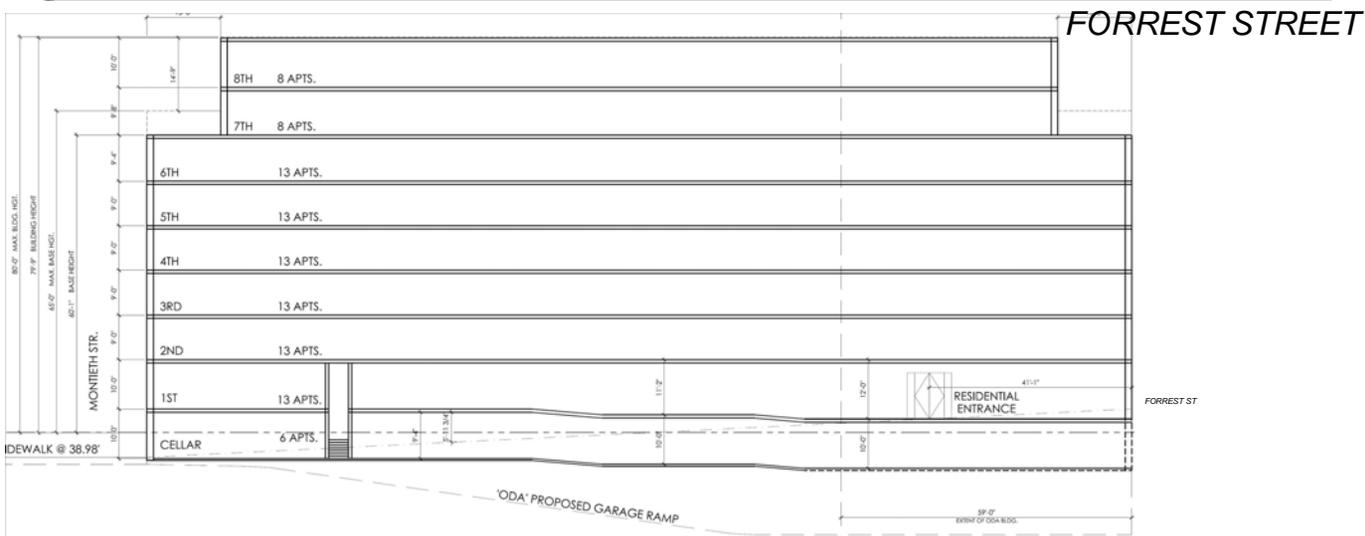
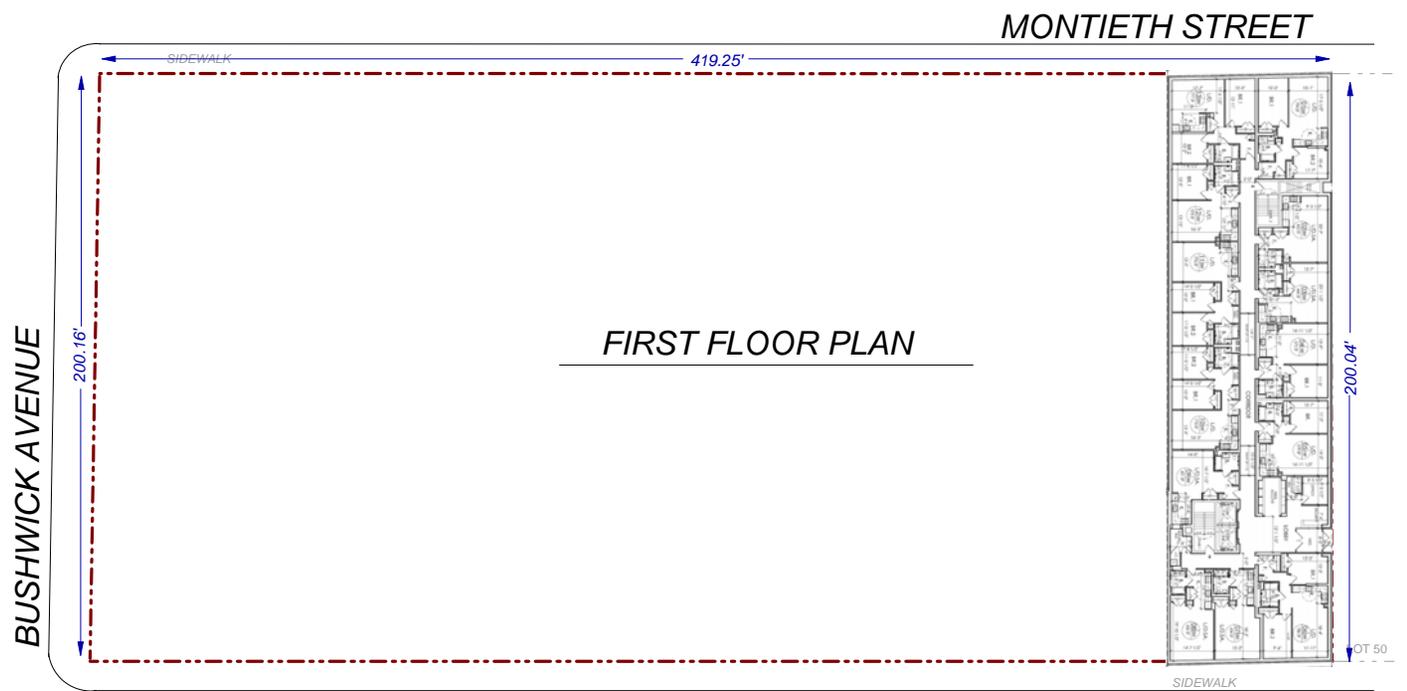
--- Site Boundary



FORREST STREET

**BLOCK  
3141**

 <b>ENVIRONMENTAL BUSINESS CONSULTANTS</b>	Phone 631.504.6000 Fax 631.924.2870	<b>Figure No.</b> <b>2</b>	Site Name: <b>RHEINGOLD - BLOCK 3141</b>
			Site Address: <b>1-37 FORREST STREET, BROOKLYN, NY</b>
			Drawing Title: <b>SITE BOUNDARY MAP</b>



**EBC**  
 ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000  
 Fax 631.924.2870

Figure No.  
**3A**

Site Name: RHEINGOLD - BLOCK 3141  
 Site Address: 1-37 FORREST STREET, BROOKLYN, NY  
 Drawing Title: REDEVELOPMENT PLAN





**FIGURE 4**  
**SURROUNDING LAND USE MAP**

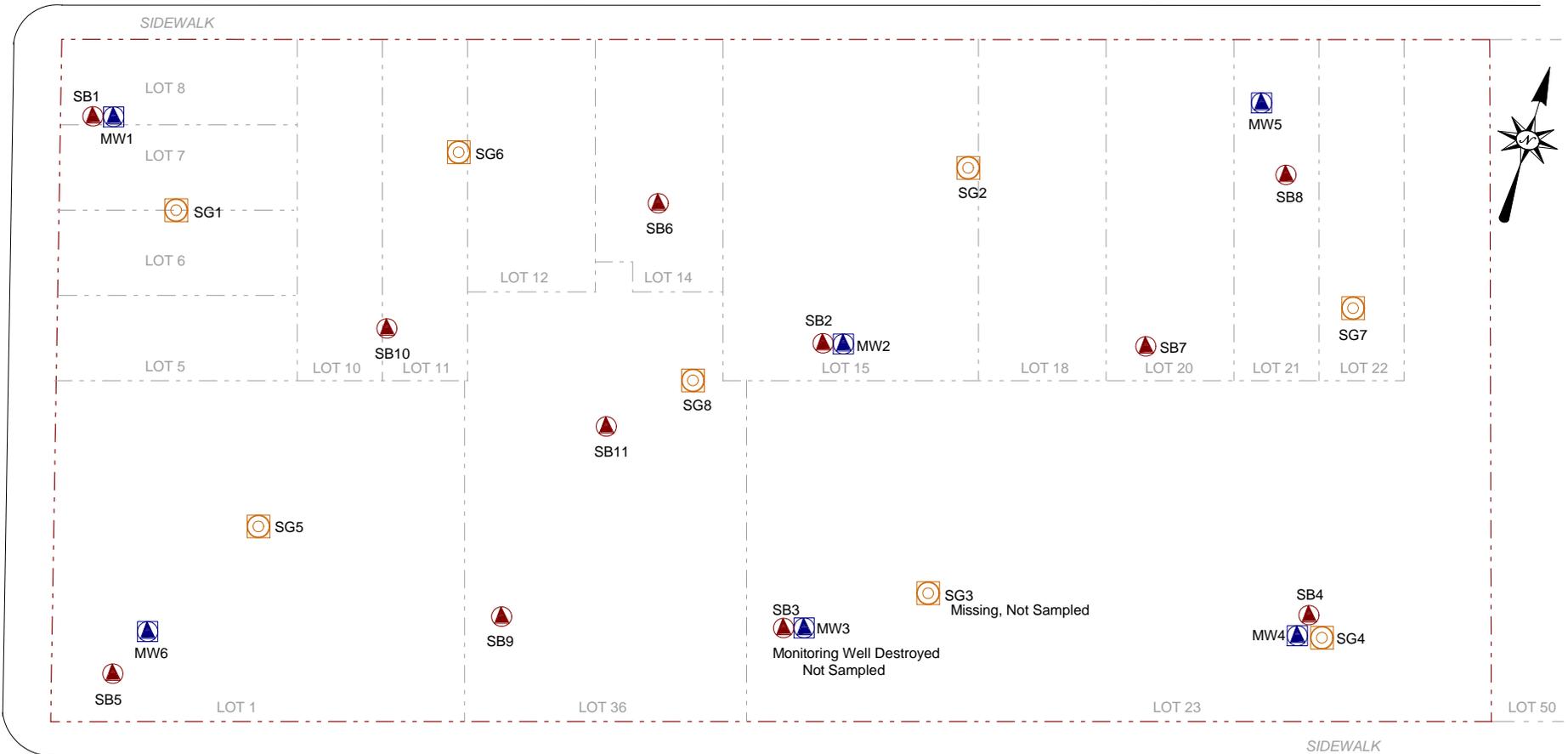
Block 3141, Lots 1, 5-8, 10-12, 14, 15, 20-23, and 36  
 BROOKLYN, NY 11206



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

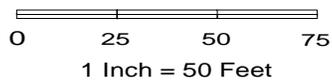
# MONTIETH STREET

# BUSHWICK AVENUE



**BLOCK  
3141**

**SCALE:**



**KEY:**

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

# FORREST STREET



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Phone 631.504.6000  
Fax 631.924.2870

Figure No.

**5**

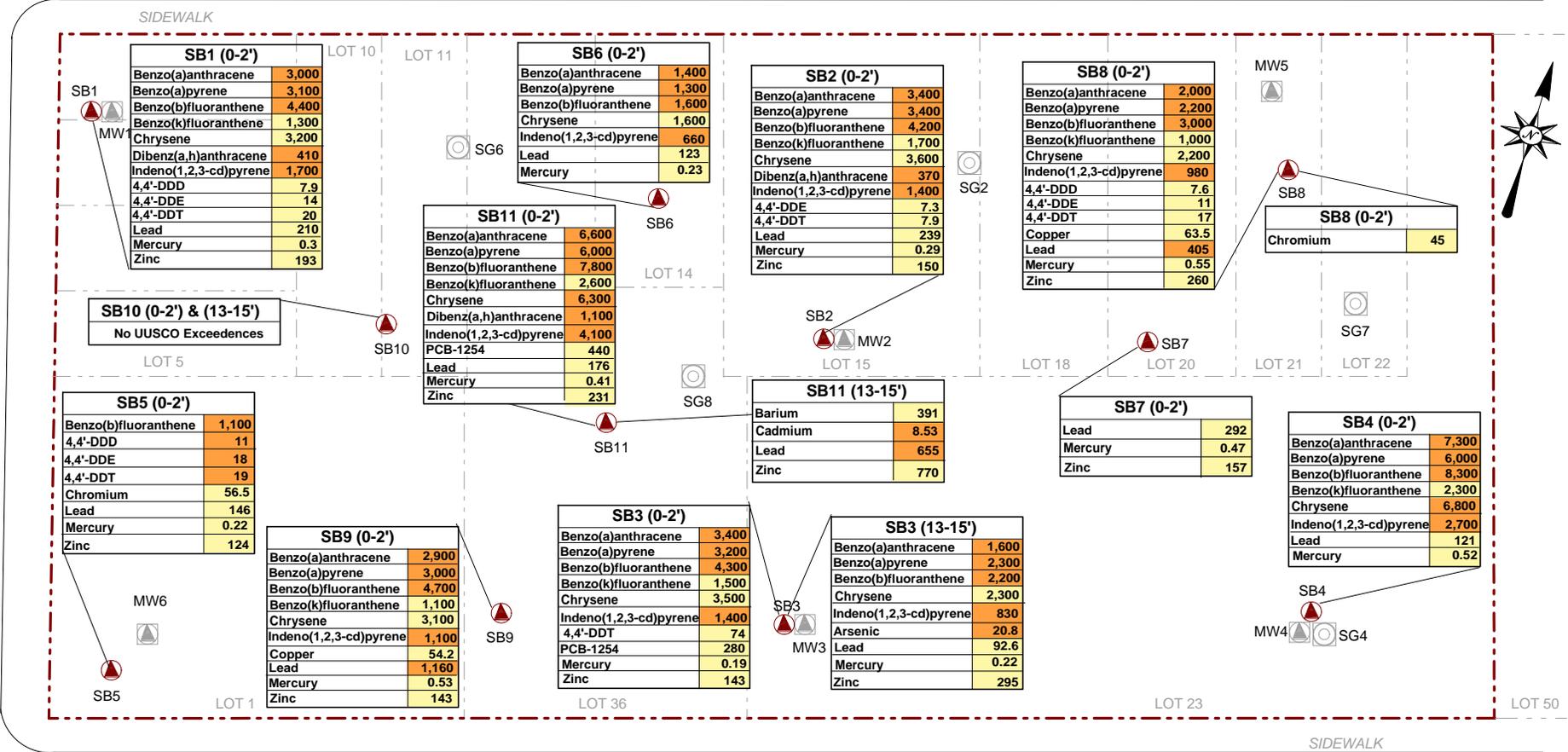
Site Name: **RHEINGOLD - BLOCK 3141**

Site Address: **1-37 FORREST STREET, BROOKLYN, NY**

Drawing Title: **SITE SAMPLING LOCATIONS**

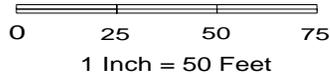
# MONTIETH STREET

# BUSHWICK AVENUE



**BLOCK  
3141**

SCALE:



KEY:

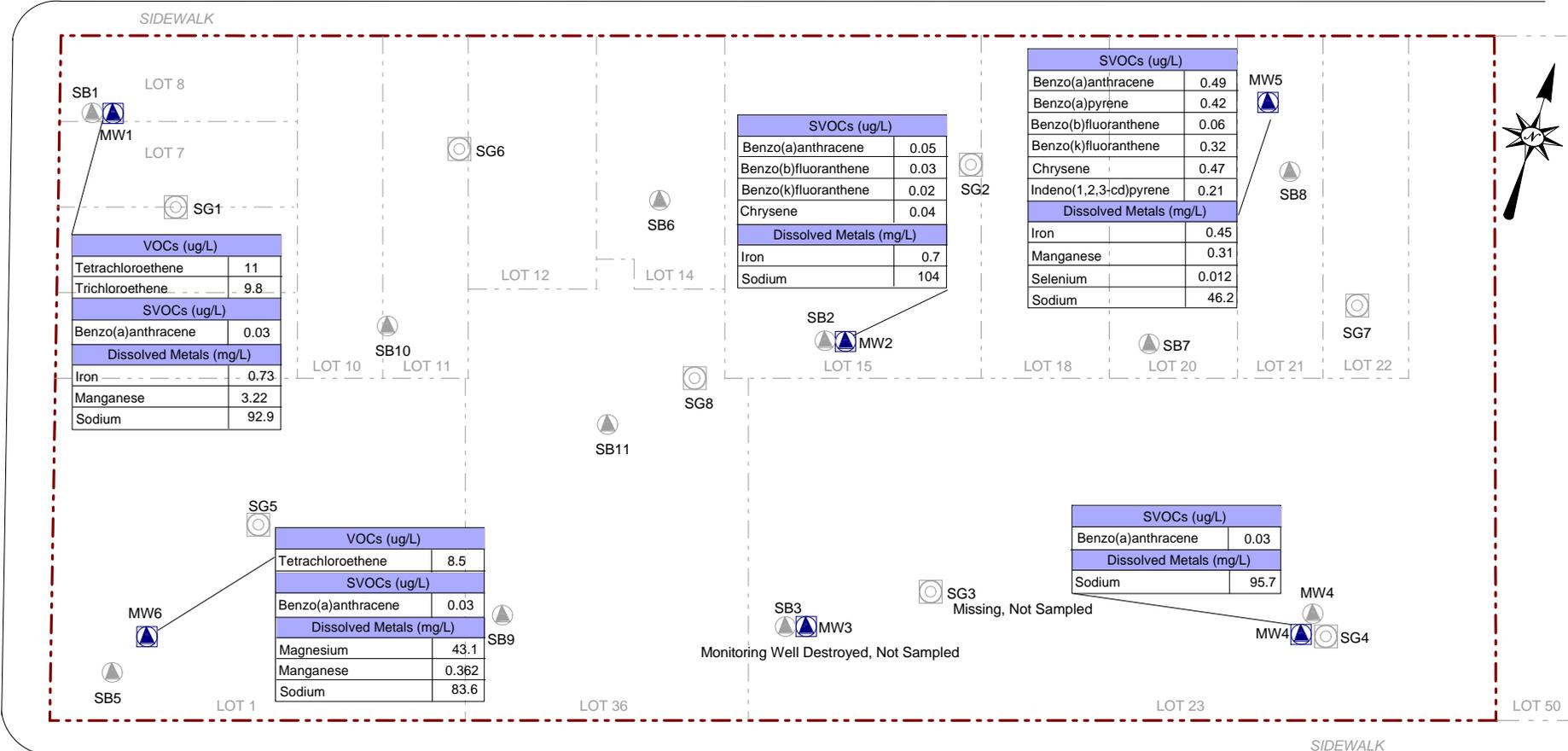
- Site Boundary
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Location
- Exceedence of Restricted Residential SCO
- Exceedence of Unrestricted Use SCO

VOCs/SVOCs/Pesticides	ppb
Metals	ppm

# FORREST STREET

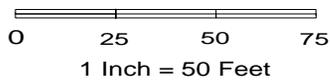
# MONTIETH STREET

# BUSHWICK AVENUE



**BLOCK  
3141**

**SCALE:**

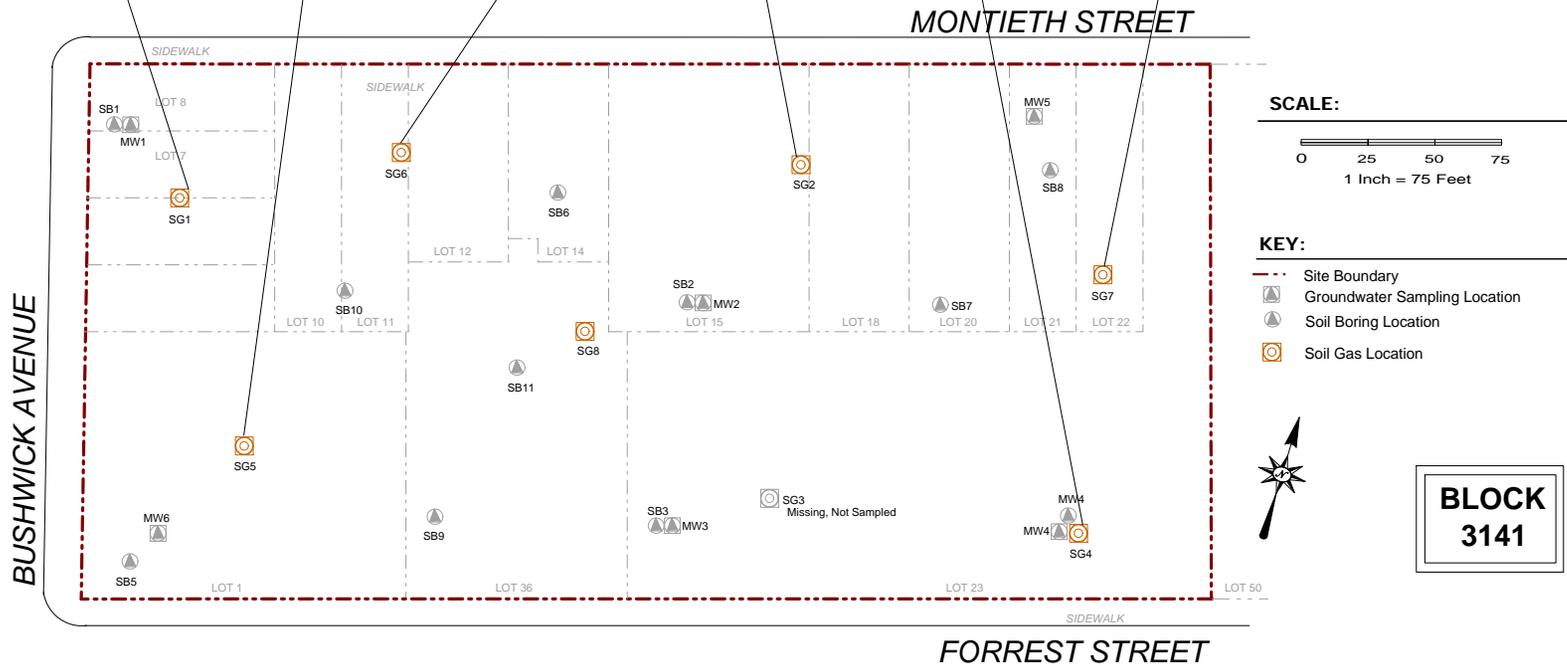


**KEY:**

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

# FORREST STREET

SG1		SG5		SG6		SG2		SG4		SG7	
1,2,4-Trimethylbenzene	16.9	1,2,4-Trimethylbenzene	11.2	1,2,4-Trimethylbenzene	16	1,1,1-Trichloroethane	2.56	1,1,1-Trichloroethane	6.98	1,2,4-Trimethylbenzene	25
1,3,5-Trimethylbenzene	5.65	1,3,5-Trimethylbenzene	3.39	1,3,5-Trimethylbenzene	5.36	1,2,4-Trimethylbenzene	9.24	1,2,4-Trimethylbenzene	12.1	1,3,5-Trimethylbenzene	7.22
1,3-Dichlorobenzene	4.75	1,3-Dichlorobenzene	3.42	1,3-Dichlorobenzene	2.94	1,3,5-Trimethylbenzene	3.1	1,3,5-Trimethylbenzene	4.32	1,3-Dichlorobenzene	12.8
4-Ethyltoluene	3.29	2-Hexanone	1.8	4-Ethyltoluene	3.19	1,3-Dichlorobenzene	1.14	2-Hexanone	29.5	2-Hexanone	10.2
4-Isopropyltoluene	2.47	4-Ethyltoluene	1.72	4-Isopropyltoluene	2.14	4-Ethyltoluene	1.92	4-Ethyltoluene	2.36	4-Ethyltoluene	5.5
4-Methyl-2-pentanone	1.72	4-Isopropyltoluene	1.43	Acetone	3.090	4-Isopropyltoluene	1.15	4-Isopropyltoluene	1.59	4-Isopropyltoluene	1.92
Acetone	275	Acetone	82.8	Benzene	4.34	Acetone	760	Acetone	738	4-Methyl-2-pentanone	1.43
Benzene	1.5	Carbon Disulfide	7.44	Bromodichloromethane	1.34	Benzene	2.65	Carbon Disulfide	4.64	Acetone	1,030
Carbon Disulfide	3.61	Carbon Tetrachloride	0.251	Carbon Disulfide	7.59	Carbon Disulfide	8.84	Chloroform	6.1	Benzene	2.94
Chloroform	23.3	Chloroform	1.22	Carbon Tetrachloride	0.44	Chloroform	11.7	Cyclohexane	3.58	Carbon Disulfide	3.61
Cyclohexane	9.7	Cyclohexane	2.58	Chloroform	571	Cyclohexane	4.78	Dichlorodifluoromethane	2.17	Carbon Tetrachloride	0.503
Dichlorodifluoromethane	11.1	Dichlorodifluoromethane	47.5	Cyclohexane	7.81	Dichlorodifluoromethane	2.62	Ethanol	43.5	Chloroform	7.12
Ethanol	39.4	Ethanol	18.4	Dichlorodifluoromethane	6.42	Ethanol	50.8	Ethylbenzene	4.6	Chloromethane	1.53
Ethylbenzene	3.04	Ethyl Acetate	1.15	Ethanol	124	Ethylbenzene	5.08	Ethylbenzene	13.4	Cyclohexane	9.29
Heptane	8.93	Ethylbenzene	1.04	Ethylbenzene	10	Heptane	15.6	Hexane	9.19	Dichlorodifluoromethane	2.42
Hexane	10.4	Hexane	2.92	Heptane	39.8	Hexane	9.62	Isopropylalcohol	69.5	Ethanol	76.4
Isopropylalcohol	31.7	Xylene (m&p)	8.3	Hexane	27.8	Isopropylalcohol	36.8	Xylene (m&p)	17	Ethylbenzene	6.77
Isopropylbenzene	1.28	Methyl Ethyl Ketone	3.38	Isopropylalcohol	243	Xylene (m&p)	14.9	Methyl Ethyl Ketone	258	Heptane	12.3
Xylene (m&p)	8.33	Methylene Chloride	15.6	Isopropylbenzene	1.52	Methyl Ethyl Ketone	125	n-Butylbenzene	2.14	Hexane	15.6
Methyl Ethyl Ketone	32.4	n-Butylbenzene	1.67	Xylene (m&p)	31.9	n-Butylbenzene	1.54	Xylene (o)	6.51	Isopropylalcohol	102
Methylene Chloride	1.08	Methyl Ethyl Ketone	2.08	Methyl Ethyl Ketone	584	Xylene (o)	5.12	Propylene	32.7	Isopropylbenzene	1.57
n-Butylbenzene	2.8	Xylene (o)	1.74	Methylene Chloride	26.3	Propylene	18.7	Tetrachloroethene	61.2	Xylene (m&p)	23.9
Xylene (o)	3.52	Propylene	5.62	n-Butylbenzene	2.58	Tetrachloroethene	3.05	Toluene	16.1	Methyl Ethyl Ketone	197
Propylene	14	Tetrachloroethene	277	Xylene (o)	11.2	Toluene	30.7	Trichloroethane	0.483	Methylene Chloride	1.04
sec-Butylbenzene	1.37	Toluene	5.69	Propylene	163	Trichloroethane	1.4	Trichlorofluoromethane	4.6	n-Butylbenzene	3.24
Tetrachloroethene	63.4	Trichloroethene	36.2	sec-Butylbenzene	1.32					Xylene (o)	9.5
Toluene	21.1	Trichlorofluoromethane	350	Tetrachloroethene	2.64					Propylene	92.5
Trichloroethane	102			Toluene	51.2					Tetrachloroethene	1.69
Trichlorofluoromethane	39.5			Trichloroethene	0.698					Toluene	24.5
				Trichlorofluoromethane	3.48					Trichloroethane	0.322
										Trichlorofluoromethane	1.35



	Phone 631.504.6000 Fax 631.924.2870	<b>Figure No.</b> <b>8</b>	Site Name: <b>RHEINGOLD - BLOCK 3141</b>
			Site Address: <b>1-37 FORREST STREET, BROOKLYN, NY</b>
			Drawing Title: <b>SOIL VAPOR DETECTIONS</b>

**ATTACHMENT A**  
**PHASE I REPORT**

# PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

August 26, 2014

EBC Project No: TRG 1501

501 Bushwick Avenue, Brooklyn, NY 11206

Block 3141, Lot No. 1, 5-8, 10-12, 14, 15, 18, 20-23, 36, & 50



## Prepared for:

The Rabsky Group  
505 Flushing Avenue  
Brooklyn, New York, 11206



**ENVIRONMENTAL BUSINESS CONSULTANTS**

1808 Middle Country Road, Ridge, New York 11961  
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Surrounding Property Usage  
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Surrounding Area Historical Usage  
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New York State Databases Searched

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## **FIGURES**

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FIGURE 2 Lot Diagram  
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## **APPENDICES**

APPENDIX A Site Photographs  
APPENDIX B Local Agency Information  
APPENDIX C Sanborn Maps  
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## EXECUTIVE SUMMARY

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following property on behalf of The Rabsky Group: 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street, Brooklyn, New York, 11206. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the Site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and EBC's proposal for services.

The Site consists of an entire tax block which is bounded by Monteith Street to the north, Forrest Street to the south and Bushwick Avenue to the west in the Bushwick Section of the Borough of Brooklyn, City of New York, Kings County, New York. Stanwix Street runs along the eastern edge of the Site and is included within the property boundary. The Street address associated with the Site is 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street, Brooklyn, New York 11206 and is identified as Block 3141 and Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, 36 & 50R on the New York City (NYC) Tax Map. The lot is rectangular shaped and approximately 94,670 square feet (s.f.) in total with approximately 200.16 feet of total street frontage on Bushwick Avenue, 473 feet of total street frontage on Forrest Street and 470 feet of total Street frontage on Monteith Street.

EBC was able to establish a history for the property dating back to 1888 as further discussed in detail below:

### *Northeast Portion of the Site-26-36 Monteith Street*

In 1888 the northeast portion was developed with four (4) residential dwellings, two stores, stables and a shed. From 1907 to 1951, the northeast portion was developed with two (2) five-story apartment



buildings in addition to the two stores and two dwellings. From 1951 to 1968 the northeast portion was developed with a dwelling and the two apartments. This dwelling was demolished circa 1965 and the two apartments circa 1968. The northeast portion has been utilized as the present day parking lot since 1968.

#### *Southeast Portion of the Site-27-37 Forrest Street*

In 1888, the southeast portion of the Site was developed with five (5) residential dwellings and a store. From 1907 to 1933, the southeast portion was additionally developed with a single-story commercial building (27 Forrest Street) occupied by a wagon shed. From 1933 to 1951, the commercial building was occupied by a box storage facility and the store was replaced by a factory. From 1951 to 1981, the southeast portion was developed with only the commercial building. This building was occupied by a saw dust storage facility from 1951 to 1965 and by a metal working garage from 1965 to 1981. The southeast portion has been developed with the present day parking lot since circa 1982.

#### *Northwest Portion of the Site-2-24 Monteith Street and 479-489 Bushwick*

In 1888, the northwest portion of the Site was developed with eight (8) residential dwellings, a tailor shop, five (5) stores, a stable and sheds. From 1907 to 1933, the northwest portion was developed with two (2) five-story apartments in addition to four (4) dwellings and five (5) stores. From 1933 to 1951, the northwest portion (20-24 Monteith Street) was developed with a single-story commercial building occupied by a garage in addition to the stores and apartments. A gasoline tank was located in the northeast portion of the garage. One of these stores (487 Monteith Street) was occupied by a synagogue during this period. From 1951 to 1965, the commercial building previously occupied by a garage was occupied by a paper goods manufacturing facility (no gasoline tanks) and the synagogue was replaced by a church. Beginning 1965 to 1977, the Site remained primarily unchanged with the exception that the synagogue was replaced by a church and the northwest corner at 8 Monteith Street was developed with the present day single-story structure occupied by an iron working facility. From 1977 to 1979, the northwest portion was developed with the paper goods manufacturing facility, iron working facility, church and a residence. The residence was demolished around 1979, the church around 1982 and the paper goods manufacturing facility circa 1986. Beginning 1986 to the present day, the northwest portion has been developed with the present day commercial structure which was occupied by various iron working facilities from 1965 to 2007.

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*Southwest Portion of the Site-491-501 Bushwick Avenue and 1-25 Forrest Street*

In 1888, the southwest portion of the Site was developed with two (2) dwellings, a store, sheds and a one to five story varying level structure occupied by Claus Lipsius Brewery. From 1907 to 1933, the southwest portion was developed with a larger one to five story varying level structure still occupied by Claus Lipsius Brewery but marked as being non-operational. A machine shop was present in the eastern portion of this structure. From 1933 to 1951, the southwest portion of the Site at 13-25 Forrest Street was developed with a portion of the brewery structure marked for occupancy as a loft. The southwest portion at 1-11 Forrest Street was developed with a two-story commercial building occupied by a garage. A gasoline tank was present in the southwest portion of this garage. Beginning 1951 to 1965, the southwest portion remained unchanged with the exception that the commercial building previously occupied by a garage was now marked for occupancy as a loft. From 1965 to 1968, the southwest portion of the one to five story structure was used for manufacturing operations associated with the Sthal Soap Corporation. From 1977 to 1981, manufacturing operations associated with the Sthal Soap Corporation were conducted in the western portion of the varying level structure. Manufacturing operations were also conducted in the two-story building located at 1-11 Forrest Street. The two-story building was demolished circa 1981. The varying level structure was also demolished in the period between 1982 to 1986. The southwest portion has been vacant and undeveloped since 1986.

## **RECOGNIZED ENVIROMENTAL CONDITIONS**

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, *this assessment has not revealed any recognized environmental conditions in connection with the Site:*

## **ADDITIONAL ENVIROMENTAL ISSUES**

The Site has been assigned an E-designation (E-315) for Hazmat, Noise and Air as part of the Rheingold Rezoning action completed by the City in April 2001 (CEQR 09DCP002K).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property. An OER approved subsurface investigation has been completed for the Site. A Remedial Investigation Report and Remedial Action Work Plan are being prepared for the Site in accordance with OER regulations.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential and or commercial development for lots 1, 5-8, 10, 11, 12, 14, 15 and 18 to ensure that the type of fuel used for space heating and hot water systems is natural gas only. For lots 20, 21, 22,23 and 36 any new residential and/or commercial development must ensure that the heating, ventilating, and air conditioning stack(s) are placed on building F, which is configured for portions of lots 20, 21, 22 and 23. The stack must discharge at least 90 feet above ground level and at least 10 feet from the Montieth Street lot line. The development must also ensure that the type of fuel used for the HVAC system is natural gas with low NOx only.

Additional information regarding “E” sites can be found on the New York City Office of Environmental Remediation website:

[http://www.nyc.gov/html/oer/html/e\\_designation/e\\_designation.shtml](http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml)

## 1.0 INTRODUCTION

### 1.1 Purpose

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following property on behalf of The Rabsky Group: 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street, Brooklyn, NY, 11206 (**Figure 1**). The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the Site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

### 1.2 Scope of Services

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and maps, and a review of pertinent local, state, federal and facility records. Environmental Data Resources (EDR) of Southport, Connecticut, provided the following information: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, and a historical telephone directory search.

EBC reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the Site or other properties in the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). EBC's review of the database has been incorporated into this report along with a copy of the EDR report.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and EBC's proposal for services.

### **1.3 Significant Assumptions**

EBC has made the following assumptions in the preparation of this report:

1. Groundwater – The depth to groundwater at the Site is approximately 50-60 feet below grade surface (bgs). Groundwater is expected to flow to the north-northwest, consistent with the regional trend.
2. Regulatory Records Information – EBC assumes that all information provided by EDR regarding the regulatory status of facilities within the ASTM Standard approximate minimum search distance is complete, accurate and current.
3. Other - EBC assumes that all information provided through interviews is complete and unbiased.

### **1.4 Limitations and Exceptions**

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by EBC.
4. EBC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations, or policies of federal, state, or local government agencies. EBC does not assume

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liability for financial or other losses or subsequent damage caused by or related to any use of this document.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
6. This report is based, in part, on information supplied to EBC by third-party sources. While efforts have been made to substantiate this third-party information, EBC cannot attest to the completeness or accuracy of information provided by others.

### **1.5 Special Terms and Conditions**

Authorization to perform this assessment was given by a proposal for services between The Rabsky Group and EBC.

### **1.6 User Reliance**

This report was prepared for the exclusive use of The Rabsky Group; no other party may use the report without the written authority of EBC.

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## 2.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

### 2.1 Location and Legal Description

The Site consists of an entire tax block which is bounded by Monteith Street to the north, Forrest Street to the south and Bushwick Avenue to the west in the Bushwick Section of the Borough of Brooklyn, City of New York, Kings County, New York. Stanwix Street runs along the eastern edge of the Site and is included within the property boundary. The Street address associated with the Site is 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street, Brooklyn, New York 11206 and is identified as Block 3141 and Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, 36 & 50R on the New York City (NYC) Tax Map. The lot is rectangular shaped and approximately 94,670 square feet (s.f.) in total with approximately 200.16 feet of total street frontage on Bushwick Avenue, 473 feet of total street frontage on Forrest Street and 470 feet of total Street frontage on Monteith Street.

Records were obtained from the New York City Registrar on January 21, 2015, including copies of the tax map and deeds for the Site dating back to 1967. A copy of all of the information obtained is attached in Appendix B.

The deed transfer information for the Site is included in tables within Appendix B.

### 2.2 Site Characteristics

The Site is vacant and undeveloped with the exception of a single-story building located in the northwest corner of the Site. The Site is utilized for tractor trailer and private car parking.

Photographs taken during of the Site during the site inspection are attached in **Appendix A**.

#### 2.2.1 Utilities

Electric service for the building located onsite is provided by Con-Edison, potable water is supplied by the New York City Department of Environmental Protection (NYCDEP). Sanitary waste for the building is discharged to the New York City municipal sewer system. The building is heated and supplied hot water by natural gas-fired equipment.

## 2.3 Physical Setting

The topography of the site and surrounding area was reviewed from the United States Geological Survey (USGS) 7.5-minute series topographic map for the Brooklyn, New York (NY) Quadrangle (Figure 3), which indicates that the Site has a topographic elevation of approximately 47 feet above mean sea level (amsl). The Site is relatively flat with the general topographic gradient sloping to the north-northwest.

### 2.3.1 Surface Water

English Kills is located approximately 0.55 miles to the northeast of the Site.

### 2.3.2 Soils

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. Soil maps, based on the State Soil Geographic (STATSGO) Database, are compiled by generalizing more detailed Soil Survey Geographic (SSURGO) database maps.

According to the STATSGO data, the soil component in the vicinity of the Site is identified as Urban Land and is described as having a variable surface texture. The STATSGO database states that additional subordinant soil types may be present in the general vicinity of the Site. These soil types are described as mainly loamy sand and silt loam. Deeper soil types consist of very gravelly, loamy sand, unweathered bedrock and stratified sandy loam.

Additional information regarding the soil classification is also included in on Page A-4 of the Environmental Data Resources, Inc. (EDR) database report (Appendix E).

### 2.3.3 Groundwater

Estimated groundwater levels and flow directions may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or de-watering operations. Generally, groundwater flow typically mimics surface topography and will also tend to flow towards nearby bodies of water. Information contained in the EDR database report, the USGS Water-Table and Potentiometric-Surface Altitudes in the Upper Glacial, Magothy and Lloyd Aquifers Beneath Long

Island, March-April 2006 (**Figure 6**), the USGS web site and topographic map were used to estimate groundwater depth and flow direction.

Based upon a surface elevation of 47 feet amsl, the depth to groundwater in the vicinity of the Site is approximately 50-60 feet below grade surface (bgs). Groundwater is expected to flow to the north-northwest consistent with the regional trend.

#### 2.3.4 Radon Risk

Radon is a colorless, radioactive, inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. The USEPA's Map of Radon Zones for New York State, September 1993, indicates that the Brooklyn area is not a radon risk area. Test results from the New York State Department of Health (NYSDOH) radon survey indicate average radon concentrations of 1.94 pCi/L for nearly 440 homes screened. Out of the 440 homes screened, 398 homes had radon concentrations of less than 4 pCi/L. Based on these data, radon does not likely represent an environmental concern.

### 3.0 PROPERTY USAGE

#### 3.1 Current Property Usage

The Site is vacant and undeveloped with the exception of a single-story building located in the northwest corner of the Site. The Site is utilized for tractor trailer and private car parking.

A review of New York City Department of Buildings (NYCDOB) records and the NYC Department of City Planning Zoning map indicates that the Site is zoned both residential R6A, R7A and commercial C2-4 (**Figure 5A & 5B**), and has been since at December 2013.

#### 3.2 Current Usage of Adjoining/Surrounding Properties

A summary of the uses of the surrounding/adjacent properties is described below. Photos of the exterior of adjacent properties are attached in **Appendix A**.

#### Surrounding Property Usage

Direction	Property Description
North	Parking area (9-37 Monteith Street)
South	Apartment building and residential dwellings (2-42 Forrest Street)
East	Office and warehouse (910-936 Flushing Avenue)
West	Car wash and church/residence (480-502 Bushwick Avenue)

#### 3.3 Historical Usage of Site and Surrounding Properties

Historical sources researched to determine past usage of the Site and surrounding properties are as follows:

**Sanborn Fire Insurance Maps** - Sanborn fire insurance maps for the Site and surrounding area were reviewed for the years 1887, 1905, 1916, 1942, 1951, 1965, 1978, 1979, 1980, 1981, 1982, 1983, 1986, 1987, 1988, 1989, 1991, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006 and 2007. The review is summarized in Section 3.3.1. Copies of Sanborn maps are included as **Appendix C**.

**City Directory Abstract** - A directory of historical telephone listings at the Site and surrounding properties were reviewed from approximately five year intervals for the years 1928 through 2013. The review is summarized in Sections 3.3.2 below. A copy of the City Directory is included in **Appendix D**.

### 3.3.1 Sanborn Fire Insurance Maps - Site and Adjacent Properties

The historical usage of the Site and adjacent properties, identified through Sanborn map review, is summarized below:

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#### **1887**

##### Subject Site:

The Site is not depicted in the Sanborn map.

##### Adjacent Sites:

The north, south and east adjacent properties are not depicted in the Sanborn map. The present day Bushwick Avenue is depicted bordering the Site to the west beyond which commercial stores are depicted.

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#### **1888**

##### Subject Site:

The Site is identified as 479-501 Bushwick Avenue, 2-36 Monteith Street and 1-37 Forrest Street. The northeast portion of the Site at 26-36 Monteith Street is depicted with four (4) residential dwellings (two-three stories), two (2) three-story stores, three stables and a shed. The southeast portion of the Site at 27-37 Forrest Street is depicted with five (5) two-story residential dwellings, a three-story store, a stable and shed. The northwest portion of the Site at 2-24 Monteith Street and 479-489 Bushwick Avenue is depicted with eight (8) residential dwellings (one-three stories), a single-story tailor shop, a boiler, five (5) three-story stores, a stable and sheds. The southwest portion of the Site at 491 Bushwick Avenue and 1-25 Forrest Street is depicted with two (2) two-story dwellings, a three-story store, sheds and a one to five story varying level structure occupied by Claus Lipsius Brewery. Ice machines, an ice house and a cooling shed are depicted inside this structure. Bremen Street (former name for the present day Stanwix Street) is depicted running along the eastern edge of the property, within the property boundary.

##### Adjacent Sites:

The present day Monteith Street is depicted bordering the property to the north beyond which stables, multiple residential dwellings, a store and a bakery are depicted. Vacant lots and a

residential dwelling are depicted bordering the property to the east. The present day Forrest Street is depicted bordering the property to the south beyond which two breweries and residential dwellings are depicted. A brewery is depicted adjacent to the southeast beyond the intersection of Forrest Street and Bremen Street. The present day Bushwick Avenue is depicted bordering the Site to the west beyond which is not depicted in the Sanborn map.

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## 1904

### Subject Site:

The Site is not depicted in the Sanborn map.

### Adjacent Sites:

The north, south and east adjacent properties are not depicted in the Sanborn map. The present day Bushwick Avenue is depicted bordering the Site to the west beyond which commercial stores and a cap and sweater factory are depicted.

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## 1907

### Subject Site:

The northeast portion of the Site at 26-36 Monteith Street is depicted with one (1) three-story residential dwellings, two (2) five-story apartment buildings, the two (2) three-story stores previously depicted in the 1888 map. The southeast portion of the Site at 27-37 Forrest Street is depicted with a single-story wagon shed and a single-story dwelling in addition to the four (4) two-story residential dwellings, a three-story store, stables and shed. The northwest portion of the Site at 2-24 Monteith Street and 479-489 Bushwick Avenue is depicted with two (2) five-story apartment buildings in addition to four (4) residential dwellings (one-three stories), single-story tailor shop, a boiler and five (5) three-story stores previously depicted in the 1888 map. The southwest portion of the Site at 491-501 Bushwick Avenue and 1-25 Forrest Street is depicted with a one to five story varying level structure occupied by Henry Claus Lipsius Brewery. It is indicated that the brewery is non operational. The eastern portion of this building is depicted with a machine shop, a stock house and a mill, the northern portion is used for carpentry and for housing a boiler and the western portion is depicted with offices, condensers, ice machines and a storage building.

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Adjacent Sites:

Stores and residential dwellings are depicted adjacent to the north beyond Monteith Street. A bottling plant and a residential dwelling are depicted bordering the property to the east. The present day Forrest Street is depicted bordering the property to the south beyond which a brewery and an embroidery unit are depicted. A brewery is depicted adjacent to the southeast beyond the intersection of Forrest Street and Bremen Street (former name for the present day Stanwix Street). The present day Bushwick Avenue is depicted bordering the Site to the west beyond which is not depicted in the Sanborn map.

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**1918**

Subject Site:

The Site is not depicted in the Sanborn map.

Adjacent Sites:

The north, south and east adjacent properties are not depicted in the Sanborn map. The present day Bushwick Avenue is depicted bordering the Site to the west beyond which commercial stores and a storage building are depicted.

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**1933**

Subject Site:

The northeast portion of the Site remains consistent with the 1907 map with the exception that a two-story dwelling has been added. The southeast portion of the Site remains consistent with the 1907 map with the exceptions that the wagon shed has been replaced by a box storage facility and the three-story store has been replaced by a factory. The northwest portion of the Site remains consistent with the 1907 map with the exceptions of the addition of a garage for 40 cars at 20-24 Monteith Street (replacing two residential dwellings and the tailor shop) and the replacement of one of the stores with a synagogue. A gasoline tank is depicted in the northeast portion of the garage. The southwest portion of the Site at 13-25 Forrest Street is still depicted with a portion of the one to five story varying level structure previously depicted in the 1907 map, now occupied by a loft. The southwest portion of the Site at 489-501 Bushwick Avenue and 1-11 Forrest Street is depicted with a two-story commercial building occupied by a garage. A gasoline tank is depicted in the southwest portion of this garage.

Adjacent Sites:

The present day Forrest Street is depicted bordering the property to the south beyond which a brewery, stores and a truck repair facility are depicted. The other adjacent properties remain consist with the 1907 map.

**1935, 1947 & 1950**

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Subject Site:

The Site is not depicted in the Sanborn map.

Adjacent Sites:

The north, south and east adjacent properties are not depicted in the Sanborn map. The west adjacent property is depicted with stores and a gasoline station.

**1951**

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Subject Site:

The northeast portion of the Site is now depicted with the two (2) five story apartment buildings and the three-story dwelling previously depicted in the 1907 and 1933 maps. The southeast portion of the Site at 27 Forrest Street is depicted with a single-story saw dust storage building. The remainder of the southeast portion is vacant. The northwest portion of the Site at 20-24 Monteith Street which was previously depicted with a single-story building occupied by a garage is now occupied by a paper products manufacturing facility. The northwest portion at 12 Monteith Street is now depicted with a machine shop. The remainder of the northwest portion remains consistent with the 1907 and 1933 maps. The southwest portion of the Site at 13-25 Forrest Street is still depicted with a loft as depicted in the 1933 map. The southwest portion of the Site at 489-501 Bushwick Avenue and 1-11 Forrest Street is depicted with a two-story commercial building occupied by a loft. The gasoline tank is no longer depicted inside this building.

Adjacent Sites:

The east adjacent property is depicted with a bottling facility. Forrest Street is depicted bordering the property to the south beyond which a warehouse associated with a brewery,

stores and a loft are depicted. A bottling facility is depicted adjacent to the southeast beyond the intersection of Forrest Street and Stanwix Street. The west adjacent property is not depicted in the map.

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## **1965 & 1968**

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### Subject Site:

The northeast portion of the Site is depicted with the two (2) five story apartments and a parking lot in 1965 and just the parking lot in 1968. The southeast portion of the Site at 27 Forrest Street is now depicted with a single-story building occupied by a garage with metal working operations performed onsite. The remainder of the southeast portion is vacant. The northwest portion at 12 Monteith Street previously depicted with a machine shop is now vacant. The northwest portion at 8 Monteith Street is depicted with the present day single-story iron working facility. In addition, one of the stores at 483 Bushwick Avenue is no longer present and the synagogue at 487 Bushwick Avenue is replaced by a church. The remainder of the northwest portion remains consistent with the 1907, 1933 and 1951 maps. The southwest portion of the Site at 13-25 Forrest Street is still depicted with a loft as depicted in the 1933 map. The southern portion of this loft at 13-15 Forrest Street is depicted with a manufacturing building associated with the Sthal Soap Corporation. The southwest portion of the Site at 489-501 Bushwick Avenue and 1-11 Forrest Street is still occupied by a loft.

### Adjacent Sites:

The west adjacent property is depicted with stores and a gasoline station. The southwest adjacent property beyond the intersection of Bushwick Avenue and Forrest Street is depicted with a food products facility. The remaining adjacent properties remain consistent with the 1951 Sanborn map.

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## **1977**

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### Subject Site:

The northeast portion of the Site is depicted as a parking lot. The southeast portion of the Site is depicted with a garage and a vacant area and remains consistent with the 1965 map. The northwest portion is depicted with the previously depicted single-story iron working facility (8 Monteith Street), a single-story manufacturing facility, previously depicted apartments (10

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Monteith Street) and the previously depicted church at 487 Monteith Street now replaced with a commercial facility. The southwest portion of the Site at 13-25 Forrest Street is still depicted with a loft with offices and two manufacturing portions associated with the Sthal Soap Corporation. The two-story building in the southwest portion of the Site at 489-501 Bushwick Avenue and 1-11 Forrest Street is now occupied by a manufacturing facility.

Adjacent Sites:

The north adjacent property across Monteith Street is depicted with a store, auto repair facility and parking lots in addition to a store and residence. The west adjacent property is depicted with a store and the present day mixed use building occupied by a store. The remaining adjacent properties remain consistent with the 1965 Sanborn map.

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**1979, 1980 & 1981**

Subject Site:

The northwest portion is depicted with a single-story iron working facility (8 Monteith Street), the single-story paper products manufacturing facility (20-24 Monteith Street) and the previously depicted church now replaced with a commercial facility (487 Monteith Street). The remainder of the Site remains consistent with the 1977 map.

Adjacent Sites:

The southwest adjacent property beyond the intersection of Forrest Street and Bushwick Avenue is depicted with a commercial building occupied by Department of Social Services Child Care Center. The remaining adjacent properties are consistent with the 1977 Sanborn map.

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**1982**

Subject Site:

The northeast and southeast portions of the Site are depicted as vacant areas. The northwest portion is still depicted with a single-story iron working facility (8 Monteith Street) and the single-story paper products manufacturing facility (20-24 Monteith Street). The southwest portion of the Site is depicted with the manufacturing portion (western portion) of the loft associated with the Sthal Soap Corporation.

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Adjacent Sites:

The east, south and southeast adjacent properties are depicted as vacant lots. The west adjacent property is depicted with an auto storage yard and the present day mixed use building. The north and southwest adjacent sites are consistent with the 1979 Sanborn map.

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**1984**

Subject Site:

The Site is not depicted in the Sanborn map.

Adjacent Sites:

The north, south and east adjacent properties are not depicted in the Sanborn map. The west adjacent property remains consistent with the 1982 Sanborn map.

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**1986 & 1987**

Subject Site:

The Site is developed in the present day configuration. The Site is depicted as a vacant lot with the exception of the single-story iron working facility located in the northwest portion of the Site at 8 Monteith Street.

Adjacent Sites:

The southwest adjacent property across the intersection of Bushwick Avenue and Forrest Street is depicted as a vacant lot. The remaining adjacent sites are consistent with the 1982 Sanborn map.

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**1988, 1989, 1991, 1992, 1993, 1994, 1995, 1996 and 2001**

Subject Site:

The Site is developed in the present day configuration and is consistent with the 1986 Sanborn map. The Site is not depicted in the 1996 map.

Adjacent Sites:

The east adjacent property is depicted with the present day manufacturing building occupied by Mademoiselle Knit Wear. The remaining adjacent sites are consistent with the 1986 Sanborn map. Beginning 1994, the north adjacent is depicted with the present day parking lot. The west adjacent property is not depicted in the 1988, 1992 and 1994 maps.

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## **2002 & 2003**

### Subject Site:

The Site is developed in the present day configuration and is consistent with the 1986 Sanborn map.

### Adjacent Sites:

The west adjacent property is depicted with the present day commercial building occupied by an auto wash facility, a single-story commercial building and a mixed use building beginning 2002. The remaining adjacent sites are consistent with the 1988 Sanborn map.

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## **2004**

### Subject Site:

The Site is developed in the present day configuration and is consistent with the 1986 Sanborn map.

### Adjacent Sites:

The southwest adjacent property beyond the intersection of Bushwick Avenue and Forrest Street is depicted with the present day residential dwellings. The remaining adjacent sites are consistent with the 2002 Sanborn map.

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## **2005, 2006 & 2007**

### Subject Site:

The Site is developed in the present day configuration and is consistent with the 1986 Sanborn map.

### Adjacent Sites:

The adjacent properties are developed in the present day configuration. The south adjacent property is depicted with the present day apartment building and residential dwellings. The remaining adjacent sites are consistent with the 2002 and 2004 Sanborn maps.

### *3.3.2 City Directory Listings*

EDR conducted a search and provided copies of available historical city directory listings for the subject and adjacent properties. The historical city directory listings (**Appendix D**) were reviewed, to identify information regarding past uses of the subject and surrounding properties to determine if historical usage represented a REC to the subject property.

Historical city directory information is summarized as follows:

Date	Property Information
1928	<b>Subject Property:</b> Resident (493 Bushwick Avenue), Perfect Tire and Tube Works, Brown and Schwartz Second Hand Brick (495 Bushwick Avenue) <b>Adjacent Properties:</b> Wilfret John Co Valves Fitting Pippings (490 Bushwick Avenue), Levine Louis Cigars (507 Bushwick Avenue)
1934	<b>Subject Property:</b> Residential Tenant (489 Bushwick Avenue) <b>Adjacent Properties:</b> Resident (503 Bushwick Avenue), Norman Meyer Pres Fit Rite Knitting Mills Inc, Strong Spring Bed Manufacturing Corp (8 Forrest Street)
1940	<b>Subject Property:</b> Springdale Distilling Co (491 Bushwick Avenue) <b>Adjacent Properties:</b> Wilfret John Co Valves Fitting Pippings (490, 492 Bushwick Avenue), Eagle Candy Company (503 Bushwick Avenue), B & G Super Service (504 Bushwick Avenue), Bushwick Sales and Service (506 Bushwick Avenue), Levine Louis Cigars (507 Bushwick Avenue), Marcy Paper Box Company Inc, Macaluso Fedele Clothing (10 Forrest Street), Prospect Knitwear Co Inc, Gerbo Slipper Co (8 Forrest Street)
1945	<b>Subject Property:</b> Robinson Chas Leather Heels (491 Bushwick Avenue) <b>Adjacent Properties:</b> Wilfret John Co Valves Fitting Pippings (490, 492 Bushwick Avenue), Rifkin Max Service Station (496 Bushwick Avenue), Resident, Eagle Candy Company (503 Bushwick Avenue), Bushwick Sales and Service (506 Bushwick Avenue), Levine Louis Cigars (507 Bushwick Avenue), Macaluso Fedele Clothing (10 Forrest Street), Prospect Knitwear Co Inc, Gerbo Slipper Co (8 Forrest Street)
1949	<b>Subject Property:</b> Bonos Sawdust Supplier (27 Forrest Street), Jayne Linehan Corp, Chwatt Bros Skein Dyeing (491 Bushwick Avenue) <b>Adjacent Properties:</b> Bernies Service Station (496 Bushwick Avenue), Resident, Eagle Candy Company (503 Bushwick Avenue), Bushwick Service Station (506 Bushwick Avenue), Levines Luncheonette (507 Bushwick Avenue), Saldan Bindry Inc, Port Togs Inc, Monte Coat Co, Lenox Glove Co, Gerbo Slipper Co Inc, Forrest Manufacturing Co (8 Forrest Street)
1960	<b>Subject Property:</b> Resident (491 Bushwick Avenue), Daysol Metal Products Corp, Kaye Novelty Co Inc Toys (495 Bushwick Avenue) <b>Adjacent Properties:</b> Wilfret John Co Valves Fitting Pippings (490 Bushwick Avenue), Medina Service Station (496 Bushwick Avenue), Resident (503, 507 Bushwick Avenue), Radin and Kirsch Lunchnet (507 Bushwick Avenue), Resident (12 Forrest Street), Knight Table Tennis Company (8 Forrest Street)
1965	<b>Subject Property:</b> Ernest Ornamental Iron Works (479 Bushwick Avenue), Daysol Metal Products Corp, Kaye Novelty Co Inc Toys (495 Bushwick Avenue) <b>Adjacent Properties:</b> Guzman and Son Service Station (496 Bushwick Avenue), Resident (503, 507 Bushwick Avenue), Bushwick Coffee Shop (507 Bushwick Avenue)
1970	<b>Subject Property:</b> Ernest Ornamental Iron Works (479 Bushwick Avenue), Bethesda Pentecoastal Church (489 Bushwick Avenue), Resident (10 Monteith Street), Ember Metal Products Inc (20 Monteith Street), Daysol Metal Products Corp, KS Manufacturing Corp (495 Bushwick Avenue) <b>Adjacent Properties:</b> Resident (503, 507 Bushwick Avenue), Bushwick Coffee Shop (507 Bushwick Avenue)
1973	<b>Subject Property:</b> Resident (10 Monteith Street) <b>Adjacent Properties:</b> Resident (503, 507 Bushwick Avenue)
1976	<b>Subject Property:</b> Pira Bros Iron Works (479 Bushwick Avenue), Lopez Amilo, M & A Formica Products Inc (489 Bushwick Avenue) <b>Adjacent Properties:</b> Resident (503 Bushwick Avenue)
1985	<b>Subject Property:</b> Ben Iron Works (479 Bushwick Avenue) <b>Adjacent Properties:</b> Annibal Lassus Auto Sales (490 Bushwick Avenue)
1992	<b>Subject Property:</b> Ben Iron Works (479 Bushwick Avenue) <b>Adjacent Properties:</b> Nationwide Auto Sales Limited (490 Bushwick Avenue)

<b>1997</b>	<b>Subject Property:</b> Ben Iron Works (479 Bushwick Avenue) <b>Adjacent Properties:</b> Discount Auto Sales Center (490 Bushwick Avenue)
<b>2000</b>	<b>Subject Property:</b> Martin Iron Works (479 Bushwick Avenue) <b>Adjacent Properties:</b> All Car Sales Inc (494 Bushwick Avenue), Discount Auto Sales Center (490 Bushwick Avenue)
<b>2005</b>	<b>Subject Property:</b> Martin Iron Works (479 Bushwick Avenue) <b>Adjacent Properties:</b> Magic Lube (494 Bushwick Avenue)
<b>2008</b>	<b>Subject Property:</b> Address Not Listed In Resource Source <b>Adjacent Properties:</b> Magic Lube and Carwash (494 Bushwick Avenue), Resident (10 Forrest Street)
<b>2013</b>	<b>Subject Property:</b> Address Not Listed In Resource Source <b>Adjacent Properties:</b> Magic Lube (494 Bushwick Avenue), Mechanical Response Inc (10 Forrest Street)

Information regarding additional surrounding properties identified on the City Directory search is included with the search in Appendix D. The city directory indicated that the northwest portion of the Site at 479 Bushwick Avenue was occupied by several iron works companies including Ernest Ornamental Iron Works, Pira Bros Iron Works Inc, Ben Iron Works and Martin Iron Works from 1965 to 2005. The northwest portion of the Site at 489 Bushwick Avenue was occupied by a Church in 1970, at 10 Monteith Street was occupied by residential tenants from 1970 to 1973 and at 20 Monteith Street by a metal products company in 1970. The southwest portion of the Site at 491 Bushwick Avenue was occupied by a leather company in 1945 and 1949 and by a distilling company in 1940. The southwest portion of the Site at 495 Bushwick Avenue was occupied by a tire company in 1928, and by a metal products corporation and a toy company from 1960 to 1970.

### 3.3.3 Aerial Photographs

EBC reviewed aerial photographs for the following years; 1924, 1941, 1951, 1954, 1961, 1966, 1974, 1984, 1994, 2006, 2009 and 2011 from EDR. In the 1924 to 1974 historical aerial photographs, the entire Site appears to be developed with several structures which appear to be commercial/residential in nature. These structures are previously discussed in great detail under the Sanborn maps section. In the 1984 map, the northeast and southwest portions appear to be developed with two commercial/manufacturing buildings and the northwest corner appears to be developed with the present day commercial structure. From 1994 to 2011, the Site appears in the present day configuration with the northwest portion developed with the present day commercial structure and the remainder of the Site used a parking area. Several trailers are visible parked throughout the Site.

### 3.3.4 Historical Topographic Maps

#### 1900 & 1924 Scale 1"=62,500

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Subject Site:

The Site appears to be vacant undeveloped land.

Adjacent properties:

The adjacent properties consist of vacant undeveloped land. The present day Monteith Street is visible bordering the Site to the north, the present day Bushwick Avenue is visible bordering the Site to the west and the present day Forrest Street is visible bordering the property to the south.

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**1947 Scale 1"=25,000**

Subject Site:

Two structures are drawn on the Site.

Adjacent properties:

Structures are drawn on the north and south adjacent properties. No structures are drawn on the east and west adjacent properties.

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**1956 Scale 1"=24,000**

Subject Site:

No structures are drawn on the Site.

Adjacent properties:

No structures are drawn on the adjacent properties. The Site and the adjacent areas are covered with a red tint indicating that the area is densely built up.

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**1967, 1979 & 1995 Scale 1"=24,000**

Subject Site:

A structure is drawn in the northwest portion of the Site. No other structures are drawn on the Site.

Adjacent properties:

No structures are drawn on the adjacent properties. The Site and the adjacent areas are covered with a red tint indicating that the area is densely built up.

### 3.4 Site History Summary

#### *Northeast Portion of the Site-26-36 Monteith Street*

EBC was able to establish a history for the property dating back to 1888. In 1888 the northeast portion was developed with four (4) residential dwellings, two stores, stables and a shed. From 1907 to 1951, the northeast portion was developed with two (2) five-story apartment buildings in addition to the two stores and two dwellings. From 1951 to 1968 the northeast portion was developed with a dwelling and the two apartments. This dwelling was demolished circa 1965 and the two apartments circa 1968. The northeast portion has been utilized as the present day parking lot since 1968.

#### *Southeast Portion of the Site-27-37 Forrest Street*

In 1888, the southeast portion of the Site was developed with five (5) residential dwellings and a store. From 1907 to 1933, the southeast portion was additionally developed with a single-story commercial building (27 Forrest Street) occupied by a wagon shed. From 1933 to 1951, the commercial building was occupied by a box storage facility and the store was replaced by a factory. From 1951 to 1981, the southeast portion was just developed with the commercial building. This building was occupied by a saw dust storage facility from 1951 to 1965 and by a metal working garage from 1965 to 1981. The southeast portion has been developed with the present day parking lot since circa 1982.

#### *Northwest Portion of the Site-2-24 Monteith Street and 479-489 Bushwick*

In 1888, the northwest portion of the Site was developed with eight (8) residential dwellings, a tailor shop, five (5) stores, a stable and sheds. From 1907 to 1933, the northwest portion was developed with two (2) five-story apartments in addition to four (4) dwellings and five (5) stores. From 1933 to 1951, the northwest portion (20-24 Monteith Street) was developed with a single-story commercial building occupied by a garage in addition to the stores and apartments. A gasoline tank was located in the northeast portion of the garage. One of these stores (487 Monteith Street) was occupied by a synagogue during this period. From 1951 to 1965, the commercial building previously occupied by a garage was occupied by a paper goods manufacturing facility (no gasoline tanks) and the synagogue was replaced by a church. Beginning 1965 to 1977, the Site remained primarily unchanged with the exception that the synagogue was replaced by a church and the northwest corner at 8 Monteith Street was developed with the present day single-story structure occupied by an iron working facility. From 1977 to 1979, the northeast portion was developed with the paper goods manufacturing facility, church a dwelling and a residence. The residence was demolished around 1979, the church around 1982 and

the paper goods manufacturing facility circa 1986. Beginning 1986 to the present day, the northwest portion has been developed with the present day commercial structure which was occupied by various iron working facilities from 1965 to 2007.

*Southwest Portion of the Site-491-501 Bushwick Avenue and 1-25 Forrest Street*

In 1888, the southwest portion of the Site was developed with two (2) dwellings, a store, sheds and a one to five story varying level structure occupied by Claus Lipsius Brewery. From 1907 to 1933, the southwest portion was developed with a larger one to five story varying level structure still occupied by Claus Lipsius Brewery but marked as being non-operational. A machine shop was present in the eastern portion of this structure. From 1933 to 1951, the southwest portion of the Site at 13-25 Forrest Street was developed with a portion of the brewery structure marked for occupancy as a loft. The southwest portion at 1-11 Forrest Street was developed with a two-story commercial building occupied by a garage. A gasoline tank was present in the southwest portion of this garage. Beginning 1951 to 1965, the southwest portion remained unchanged with the exception that the commercial building previously occupied by a garage was now marked for occupancy as a loft. From 1965 to 1968, the southwest portion of the one to five story structure was used for manufacturing operations associated with the Sthal Soap Corporation. From 1977 to 1981, manufacturing operations associated with the Sthal Soap Corporation were conducted in the western portion of the varying level structure. Manufacturing operations were also conducted in the two-story building located at 1-11 Forrest Street. The two-story building was demolished circa 1981. The varying level structure was also demolished in the period between 1982 to 1986. The southwest portion has been vacant and undeveloped since 1986.

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## 4.0 USER PROVIDED INFORMATION

### 4.1 Title Records

A record of the deeds for the Site is discussed in Section 2.1.

### 4.2 Environmental Liens

An environmental lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA 42 USC § 9607 (1) & 9607(r) and similar state and local laws.

No environmental liens were noted.

### 4.3 Specialized Knowledge

The user has not made EBC aware of any specialized knowledge regarding the chemicals or processes formerly in use at the Site or surrounding property.

### 4.4 Commonly Known or Reasonably Ascertainable Information

The user has not made EBC aware of any commonly known or reasonably ascertainable information regarding the past uses of the Site, specific chemicals in use at the Site or any spills, chemical releases or environmental cleanups at the Site.

### 4.5 Valuation Reduction for Environmental Issues

The user has not made EBC aware of any valuation reduction regarding the sale price of the property.

### 4.6 Owner, Property Manager and Occupant Information

According to New York City Department of Finance records, the current owner of the site is identified as Bushwick Holdings I LLC (lots 1, 5,6, 7, 8, 10, 11, 12, 14, 15, 18 and 36) and 930 Flushing LLC (lot 20, 21, 22, 23 and 50).

### 4.7 Reason for Performing Phase I ESA

The Phase I ESA was performed to identify recognized environmental conditions at the Site as part of the due diligence to support the acquisition of the property by The Rabsky Group.

## 5.0 RECORDS REVIEW

### 5.1 Standard Environmental Record Sources

Environmental Data Resources (EDR) of Southport, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the Site. A list of the databases searched and the search radius is shown on the summary table below. EBC reviewed the database output to determine if the property appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (**Appendix E**). A summary of standard environmental record sources researched is as follows:

#### 5.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

**Federal Databases Searched**

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
USEPA	National Priority List	NPL	1.0 mile
USEPA	National Priority List Deletions	Delisted NPL	1.0 mile
USEPA	Comprehensive Environmental Response Compensation and Liability Act Registry	CERCLIS	0.5 mile
USEPA	CERCLIS No Further Remedial Action Planned	CERCLIS-NFRAP	0.5 mile
USEPA	Resource Conservation and Recovery Act Corrective Action Activity	CORRACTS	1.0 mile
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRA TSD	0.5 mile
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRA SQG/LQG	Site and Adjoining
USEPA	Federal Institutional/Engineering Control registries	US INST/ENG Controls	Site
USEPA	Emergency Response Notification System	ERNS	Site
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records of Decision	ROD	1.0 mile
USEPA	Mines Master Index	MINES	0.25 mile

**Federal NPL List** - The National Priority List (NPL) is the United States Environmental Protection Agency (USEPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program.

*Findings:* The Site is not listed as an NPL facility. One (1) NPL site was identified within a 1-mile radius of the Site. This site is located greater than half mile radius of the Site and is

hydraulically cross-gradient. Based on the relative distance and the assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**Federal Delisted NPL List** – NPL Delisted Sites are former NPL sites that have been remediated and removed from the USEPA’s priority list. Sites are deleted where the USEPA has determined that no further response is appropriate.

*Findings:* The Site is not identified as a Delisted NPL facility. There were no Delisted NPL sites identified within a one-mile radius of the Site.

**Federal CERCLIS List** - The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

*Findings:* The Site is not listed as a CERCLIS facility. No CERCLIS sites were listed within a half-mile radius of the Site.

**Federal CERCLIS-NFRAP List** – No Further Remedial Action Planned (NFRAP) sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of USEPA’s knowledge, assessment at a site has been completed and that USEPA has determined no further steps will be taken to list this site on the National Priorities List (NPL).

*Findings:* The Site is not listed as a CERCLIS-NFRAP facility. No CERCLIS-NFRAP sites were identified within a half mile radius of the Site.

**Federal RCRA CORRACTS List** - The RCRA Corrective Actions (CORRACTS) database is the USEPA’s list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

*Findings:* The Site is not listed as a RCRA CORRACTS facility. Two (2) RCRA CORRACTS sites were identified within a one mile radius of the Site. These sites are located greater than half mile of the Site and are hydraulically cross-gradient of the Site. Based on the relative distance and assumed direction of groundwater flow, these sites are not expected to represent a significant environmental concern.

**Federal RCRA Treatment, Storage and Disposal Facilities** - The USEPA Resource Conservation and Recovery Act (RCRA) program identifies reporting facilities that treat, store or dispose of hazardous waste.

*Findings:* The Site is not listed as a RCRA TSDf and no TSDfs were identified within a ½ mile radius of the Site.

**Federal RCRA Generators** - The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. A LQG is a site which generates more than 1,000 kilograms (kg) of hazardous waste during any one calendar month and can store waste on-site for up to 90 days. A SQG is a site which generates more than 100 and less than 1,000 kg of hazardous waste during any one calendar month and accumulates less than 6,000 kg of hazardous waste at any time; or a site which generates less than 100 kg of hazardous waste during any one calendar month and accumulates less than 1,000 kg of hazardous waste at any time. A CESQG is a site which generates less than 100 kg of hazardous waste or less than one kg of acutely hazardous waste during any one calendar month. A NonGen site is a former registered/regulated generator which does not presently generate hazardous waste.

*Findings:* The Site is not listed as a RCRA SQG, RCRA LQG, RCRA-CESQG and RCRA NonGen site. Four (4) RCRA-LQG, two (2) RCRA-SQG, five (5) RCRA-CESQG and twenty-one (21) RCRA NonGen facilities were identified within a 1/4 mile radius of the Site. No adjacent sites were identified. According to the EDR database, no violations are listed or corrective action has been taken for any of the remaining sites. Based on this information, these sites are not expected to represent a significant environmental concern.

**Federal Institutional/Engineering Controls** – Federal Institutional/Engineering Controls databases list sites with institutional/engineering controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

*Findings:* No Federal Institutional/Engineering Controls were listed for the Site and no sites were identified within a ½ mile radius of the Site.

**Federal Emergency Response Notification System** - The Emergency Response Notification System (ERNS) is national database used collect information on reported releases of oil or hazardous substances.

*Findings:* Neither Site nor the adjacent properties were identified in the ERNS databases.

**Federal Superfund Consent Decrees** - The Superfund Consent Decrees (CONSENT) list identifies major legal settlements that establish responsibility and standards for cleanup at NPL sites.

*Findings:* The Site was not identified in the CONSENT database. No sites within a one mile of the Site were identified in the CONSENT database.

**Federal Records of Decision** - Record of Decision (ROD) documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.

*Findings:* The Site was not identified as a ROD site. No sites within a one mile of the Site were identified in the ROD database.

**Federal Master Mines Index** - The Master Mines Index (MINES) file contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

*Findings:* Neither the Site nor any property within ¼ mile of the Site is listed in the MINES database.

### 5.1.2 New York State Databases

The table below summarizes the State databases that were searched.

#### New York State Databases Searched

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYSDEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile
NYSDEC	Solid Waste Facility Register	SWF	0.5 mile
NYSDEC	Registered Recycling Facilities	SWRCY	0.5 mile

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYSDEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile
NYSDEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile
NYSDEC	Petroleum Bulk Storage (PBS)	UST/AST	Site and Adjoining
NYSDEC	Chemical Bulk Storage (CBS)	CBS AST/UST	Site and Adjoining
NYSDEC	Institutional/Engineering Control registries	INST/ENG Controls	Site
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYSDEC	Brownfield sites	Brownfields	0.5 mile
NYSDEC	Major Oil Storage Facilities	MOSF	0.5 mile
NYSDEC	New York State Spills	NYSPILLS	0.125 mile
NYSDEC	Dry Cleaner Site	Drycleaners	0.25 mile

**NYS Inactive Hazardous Waste Disposal Sites** - The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance/waste sites.

*Findings:* The Site is not listed as a SHWS site. Two (2) SHWS facilities were identified within a one mile radius of the Site. These sites are located greater than half mile radius of the Site and hydraulically cross-gradient. Based on the relative distance and assumed direction of groundwater flow, these sites are not expected to represent a significant environmental concern.

**NY Vapor Reopened** – This is a database listing of previously dismissed/closed sites that are being re-evaluated with current knowledge of the potential for soil vapor intrusion.

*Findings:* The Site is not listed as a NY VAPOR REOPENED site. No NY VAPOR REOPENED facilities were identified within a one mile radius of the Site.

**Hazardous Substance Waste Disposal Sites** - The Hazardous Substance Waste Disposal Sites (HSWDS) list includes any known or suspected hazardous substance waste disposal sites. Also

included are sites de-listed from the Registry of Inactive Hazardous Waste Disposal Sites list and non-Registry sites that USEPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

*Findings:* The Site is not listed on the HSWDS database. Two (2) HSWDS sites were identified within a half-mile radius of the Site. These sites are located greater than 1/4<sup>th</sup> mile of the Site and are hydraulically cross-gradient of the Site. Based on the relative distance and assumed direction of groundwater flow, these sites are not expected to represent a significant environmental concern.

**NYS Landfill** - The NYSDEC Solid Waste Facility Register records contain an inventory of solid waste disposal facilities or landfills in New York State.

*Findings:* The Site is not listed as a landfill. Six (6) NYS Landfill sites were identified within a half mile radius of the Site. Four (4) of these sites are located greater than 1/4<sup>th</sup> mile of the Site and based on the relative distance are not expected to represent a significant environmental concern. The remaining two sites located within 1/8<sup>th</sup> mile of the Site are hydraulically cross-gradient and based on the assumed direction of groundwater flow, these sites are not expected to represent a significant environmental concern.

**NYS Registered Recycling Facilities** - The Registered Recycling Facilities List (SWRCY) is a NYSDEC list of recycling facilities.

*Findings:* The Site was not listed as a SWRCY site. One (1) SWRCY site was identified within a 1/2 mile radius of the Site. No information was available in connection with this site and no violations were indicated for this property. This site is located greater than 1/8<sup>th</sup> mile of the Site and is hydraulically cross-gradient. Based on the assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**NYS Registered Waste Tire Storage Facilities** - The Registered Recycling Facilities List (SWTIRE) is a NYSDEC list of Registered Waste Tire Storage & Facility List.

*Findings:* The Site is not listed as a SWTIRE site. There were no SWTIRE sites identified within a 1/2 mile radius of the Site.

**NYS Leaking Underground Storage Tank Sites** - The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

*Findings:* The Site was not identified as a LTANKS site. Thirty-six (36) LTANK sites were identified within ½ mile of the Site. No adjacent sites were identified. With the exception of two (2) sites, all of the LTANK sites have received closure from the NYSDEC. Based on this information, these LTANK sites are not expected to present a significant environmental concern to the Site. The open LTANKS listings are further discussed in detail below:

- Sumner Houses at 10 Lewis Avenue is located 1064 feet to the south-southwest (hydraulically cross-gradient) of the Site. A release of #2 fuel oil was reported from this site due to tank test failure on July 28, 1995. NYC Housing Authority was identified as the responsible party. Based on the relative distance and identification of a responsible party, this facility is not expected to represent a significant environmental concern.
- Conway at 815 Broadway is located 1031 feet to the west-southwest (hydraulically cross-gradient) of the Site. A release of #2 fuel oil was reported from an 8000-gallon AST on this site due to tank test failure on March 1, 2013. Conway was identified as the responsible party. Based on the relative distance and identification of a responsible party, this facility is not expected to represent a significant environmental concern.

**NYS Petroleum Bulk Storage** - The NYSDEC Petroleum Bulk Storage - Underground Tanks (UST) database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons. The NYSDEC Petroleum Bulk Storage - Aboveground Tanks (AST) database lists facilities with registered above ground storage tanks.

*Findings:* The Site is not listed as a UST, AST site, Hist UST site, TANKS site or a Hist AST site. Thirteen (13) UST sites, two (2) TANKS site, six (6) HIST UST sites and fifteen (15) AST sites are registered within a ¼ mile radius of the Site. One (1) adjacent site was identified and is further discussed in detail below. Properties with registered ASTs or USTs do not

necessarily pose a hazard unless the tanks are leaking or a spill occurs. Most tanks in the area hold home heating oil for on-site boilers and furnaces. Sites with leaking tanks or spills are addressed in the appropriate section.

- Magic Car Wash and Lube at 494 Bushwick Avenue is located adjacent to the west (hydraulically down-gradient) of the Site. According to the database, this site is currently equipped with one (1) 1000-gallon steel AST containing waste oil which was installed on December 1, 2001. This site is also equipped with three (3) 1000-gallon steel ASTs containing motor oil and two (2) 500-gallon steel ASTs containing motor oil which were installed on December 1, 2009. A release of an unknown material was reported from this site but this spill listing has received closure from the NYSDEC. No other violations or hazardous material releases were identified in connection with these ASTs. Based on this information and the aboveground nature of the tanks, this facility is not expected to represent a significant environmental concern.

**NYS Chemical Bulk Storage** - The Chemical Bulk Storage (CBS) database is a NYSDEC list of facilities that store regulated hazardous substances in aboveground tanks (AST) with capacities of 185 gallons or greater or underground tanks (UST) of any size.

*Findings:* The Site is not identified as a CBS facility. One (1) CBS facility was identified within a ¼ mile radius of the Site. This site is not an adjacent property. Properties with registered ASTs or USTs do not necessarily pose a hazard unless the tanks are leaking or a spill occurs

**NYS Institutional/Engineering Controls** – NYSDEC list of Environmental Remediation sites with Institutional or Engineering Controls in place.

*Findings:* The Site is not identified in the NYSDEC Institutional/Engineering Controls databases. One (1) site within a ½ mile of the Site was identified in the NYSDEC Institutional/Engineering Controls database. This site is located greater than 1/4<sup>th</sup> mile of the Site and is hydraulically cross-gradient. Based on the relative distance and assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**NYS Voluntary Cleanup Agreements** - The NYSDEC Voluntary Cleanup Program (VCP) database identifies hazardous waste sites undergoing private sector cleanup as part of redevelopment.

*Findings:* The Site was not identified as a VCP site. One (1) VCP site was identified within a one-half mile radius of the subject property. This site is located greater than 1/4<sup>th</sup> mile of the Site and is hydraulically cross-gradient. Based on the relative distance and assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**NYS Brownfields** - A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

*Findings:* The Site was not identified as a NYS Brownfield site. One (1) Brownfield site is located within 1/2 mile radius of the Site. This site is located greater than 1/4<sup>th</sup> mile of the Site and is hydraulically cross-gradient. Based on the relative distance and assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**NYS Major Oil Storage Facilities** - The NYSDEC Major Oil Storage Facilities (MOSF) database lists facilities or vessels with a petroleum storage capacity of more than 400,000 gallons.

*Findings:* The Site was not identified as an MOSF site. No MOSF UST site, no MOSF AST site and no MOSF facility were identified within 1/2 mile of the Site.

**NYS Spills** - The New York State Spills Information Database (NY SPILLS) contains data collected on chemical and petroleum spill incidents reported to NYSDEC since April 1, 1986.

*Findings:* The Site is not listed as a NY SPILLS site. Twenty-one (21) spill sites were identified within 1/8 mile of the Site. One (1) adjacent site was identified and is further discussed in detail below. With the exception of two sites, all of these spill listings have received closure from the NYSDEC and do not represent a significant environmental concern. The open listings are further discussed in detail below:

- Magic Car Wash and Lube at 494 Bushwick Avenue is located adjacent to the west (hydraulically down-gradient) of the Site. A release of an unknown material was reported

from this site on May 15, 2004. This spill listing received closure from the NYSDEC on June 22, 2004. Based on the current regulatory status, this spill listing is not expected to represent a significant environmental concern.

- A warehouse at 211-217 Cook Street is located 591 feet to the north-northeast (hydraulically cross-gradient) of the Site. A release of an unknown material was reported from this site on November 12, 2008. According to a Phase I issued for the site in 2008, no oil ports or fuel vents for a UST were noted during the assessment. A review of NYCFD and NYSDEC records did not indicate the presence of any USTs/ASTs at the site. Estate of Helen Blach was identified as the responsible party. This spill listing is still awaiting closure from the NYSDEC. Based on the assumed direction of groundwater flow and the identification of a responsible party, this spill listing is not expected to represent a significant environmental concern.
- An unidentified property at 946-954 Flushing Avenue is located 640 feet to the northeast (hydraulically cross-gradient) of the Site. A release of gasoline was reported from this site on March 12, 2014. According to a Phase II issued for the site, analytical results of the soil and groundwater sampling indicated that VOC concentrations exceeded the standards. Cleanup is pending at this property and this spill listing is still awaiting closure from the NYSDEC. Paul was identified as the responsible party. Based on the assumed direction of groundwater flow and the identification of a responsible party, this spill listing is not expected to represent a significant environmental concern.

**FUDS:** The listing includes locations of formerly used defense sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

*Findings:* The Site is not listed as a FUDS site. No FUDS sites were identified within a one mile radius of the Site.

**MANIFEST:** Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSDF.

*Findings:* The Site is not listed as a MANIFEST site. Seventy-three (73) manifest sites were identified within a ¼ mile radius of the Site. A transformer adjacent to the Site was identified and is further discussed in detail below. Information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for these sites. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site, and they are not considered RECs.

- Consolidated Edison at 483 Bushwick Avenue is located adjacent to the Site. According to the database, nearly 50 gallons of an unknown waste was transported from the Site in 2014. No violations were identified in connection with this listing. Based on this information and the nature of this listing, this listing is not expected to represent a significant environmental concern.

**Drycleaner Sites** - The NYSDEC maintains a listing of all registered drycleaners. Drycleaner sites do not necessarily pose a hazard unless a spill occurs. Sites at which spills have been identified are addressed in the appropriate section.

*Findings:* The Site is not identified as drycleaner. One (1) Drycleaner site was identified within ¼ mile of the site. This facility is not located adjacent to the Site and is located hydraulically cross-gradient to the Site. Based on the assumed direction of groundwater flow and the absence of any violations in connection with this facility, it is not considered a REC.

**NYS Manufactured Gas Plants** - Manufactured gas plants (MGP) were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar, sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

*Findings:* The Site is not identified as an MGP site. One (1) MGP site was identified within a one-mile radius of the Site. This site is located greater than half mile radius of the Site and based on the relative distance, this site is not expected to represent a significant

environmental concern.

**E Designation** - The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designation also includes a mandatory construction-related health and safety plan which must be approved by NYCDEP.

*Findings:* The Site was identified as an E Designation site and is further discussed below. Thirty-seven (37) E Designation sites were identified within 1/8-mile of the Site. Adjacent sites were identified and are further discussed in detail below. Information provided within the EDR report indicates that there are no listed violations listed for any of the remaining sites. Therefore, it is unlikely that these sites present a significant environmental risk to the Site, and they are not considered as RECs.

- The Site (Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, 36 and Block 3141) was identified as an E Designation site and is assigned the E number of E-315, with the descriptions of “Air Quality-HVAC fuel limited to natural gas”, “ Air Quality-HVAC natural gas with low nox only”, “exhaust stack location limitations”, “hazardous materials-Phase I and Phase II testing protocol” and “window wall attenuation and alternate ventilation”. This designation came into effect on December 10, 2013. 930 Flushing LLC, Paulino Augusto, 21 Monteith LLC were identified as the owners of the Site. No further information was available from the EDR database for review. This listing is further discussed in the previous sections.
- The north adjacent property (Lots 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 and Block 3139) located hydraulically down-gradient of the Site, was identified as an E Designation site and is assigned the E number of E-315. The descriptions associated with the E Designation is “ Air Quality-HVAC natural gas with low nox only”, “exhaust stack location limitations”, “window wall attenuation and alternate ventilation” “hazardous

materials-Phase I and Phase II testing protocol”, “underground gasoline storage tanks testing protocol”. This designation came into effect on December 10, 2013. 930 Flushing LLC was identified as the owners of the Site. No further information was available from the EDR database for review. No violations or hazardous materials releases were identified in connection with this site. Based on this information, this site is not expected to represent a significant environmental concern.

**EDR Historical Auto Stations** - EDR has searched selected national collections of business directories and has collected listings of potential gas station/ filling station/ service station sites that were available to EDR researchers. EDR’s review was limited to those categories of sources that might, in EDR’s opinion, include gas station/ filling station/ service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station etc.

*Findings:* The Site was not identified as an EDR Historical Auto Station site. Twenty-four (24) sites were identified within ¼ mile of the Site. One (1) adjacent site was identified and is further discussed in detail below. None of the remaining sites are located adjacent to the Site and information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for these sites. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site, and they are not considered as RECs.

- An unidentified property at 494 Bushwick Avenue is located adjacent to the west (hydraulically down-gradient) of the Site. According to the database, this site was occupied by Magic Lube and Carwash from 2003 to 2012. A release of an unknown material was reported from this site on May 15, 2004 but this spill listing received closure from the NYSDEC. No other violations or hazardous material releases were identified in connection with this site. Based on this information and assumed direction of groundwater flow, this site is not expected to represent a significant environmental concern.

**EDR Historical Cleaners** - EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR’s review was limited to those categories of sources that might, in EDR’s opinion, include dry cleaning

establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash and dry etc.

*Findings:* The Site was not identified as an EDR Historical Cleaners site. Eight (8) sites were identified within ¼ mile of the Site. These sites are not located adjacent to the Site and information provided within the EDR report indicates that there are no listed violations or that corrective action has been taken to address the violations listed for these sites. Therefore, it is unlikely that these facilities present a significant environmental risk to the Site, and they are not considered RECs.

### 5.1.3 EDR Vapor Encroachment Screen

A Vapor Encroachment Screen was conducted using the EDR VEC App™. A copy of the EDR Vapor Encroachment Screen report is included in Appendix G. Numerous waste oil, fuel oil, and transfer oil spills were reported within the immediate area, but no spills of chlorinated volatile organic compounds were reported within a radius of 1/3 mile. The open spills in the area surrounding the property primarily consist of fuel oil spills. Based on this information, a recommended Area of Concern (AOC) extending 528 feet in the up-gradient direction, 100 feet in the down gradient direction and 165 feet in the cross-gradient direction was established for the Site. Within this AOC, no up-gradient spills of gasoline were identified. One (1) up-gradient spill of an unknown chemical was identified but this spill has received closure from the NYSDEC. No open spills were identified in connection with any of the adjacent properties. In summary, no significant vapor intrusion sources exist in the immediate vicinity of the Site.

## 5.2 Additional Environmental Record Sources

### 5.2.1 Local Agency Review

Freedom of Information Act (FOIA) requests were sent to the New York City Department of Environmental Protection (NYCDEP), New York City Fire Department, New York City Department of Health (NYCDOH) and the New York City Fire Department (FDNY) for information regarding hazardous operations and or other environmental reports/investigations for the Site, including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt.

Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

### 5.2.2 New York City Department of Finance

The following is a summary of pertinent information obtained from the New York City Department of Finance website:

Tax Lot: Block 3141 – Lot No. 1  
Address: 501 Bushwick Avenue  
Owner: Bushwick Holdings I LLC  
Lot Size: 12,252-rectangular  
Building Class: G7- Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 5  
Address: 489 Bushwick Avenue  
Owner: Bushwick Holdings I LLC  
Lot Size: 1,775-rectangular  
Building Class: V1 Vacant Land  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 6  
Address: 485 Bushwick Avenue  
Owner: Bushwick Holdings I LLC  
Lot Size: 1,775-rectangular  
Building Class: Z9 Miscellaneous  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 7  
Address: 481 Bushwick Avenue  
Owner: Bushwick Holdings I LLC  
Lot Size: 1,775-rectangular  
Building Class: V1 Vacant Land  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 8

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Address: 479 Bushwick Avenue  
Owner: Bushwick Holdings I LLC  
Lot Size: 1,730-rectangular  
Building Class: F9 Factory Industrial  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 10  
Address: 10 Montieth Street  
Owner: Bushwick Holdings I LLC  
Lot Size: 2,500-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 11  
Address: 12 Montieth Street  
Owner: Bushwick Holdings I LLC  
Lot Size: 2,500-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 12  
Address: 14 Montieth Street  
Owner: Bushwick Holdings I LLC  
Lot Size: 2,810-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 14  
Address: 18 Montieth Street  
Owner: Bushwick Holdings I LLC  
Lot Size: 2,620-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 15  
Address: 20-24 Montieth Street

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Owner: Bushwick Holdings I LLC  
Lot Size: 7,500-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 18  
Address: Montieth Street  
Owner: Bushwick Holdings I LLC  
Lot Size: 3,750-rectangular  
Building Class: unknown  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 20  
Address: Montieth Street  
Owner: 930 Flushing LLC  
Lot Size: 3,700-rectangular  
Building Class: unknown  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 21  
Address: 32 Montieth Street  
Owner: 930 Flushing LLC  
Lot Size: 2,500-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 22  
Address: 34 Montieth Street  
Owner: 930 Flushing LLC  
Lot Size: 2,500-rectangular  
Building Class: G7 Garage / Gas Station  
Zoning: Manufacturing M1-1

Tax Lot: Block 3141 – Lot No. 23  
Address: 36 Montieth Street  
Owner: 930 Flushing LLC

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Lot Size:	24,300-irregular shaped
Building Class:	G7 Garage / Gas Station
Zoning:	Manufacturing M1-1
Tax Lot:	Block 3141 – Lot No. 50
Address:	36 Monteith Street
Owner:	930 Flushing LLC
Lot Size:	10,042-irregular shaped
Building Class:	Unknown
Zoning:	Manufacturing M3-1
Tax Lot:	Block 3141 – Lot No. 36
Address:	15 Forrest Street
Owner:	930 Flushing LLC
Lot Size:	10,200-irregular shaped
Building Class:	G7 Garage / Gas Station
Zoning:	Manufacturing M1-1

### 5.2.3 New York City Department of Buildings

The Department of Buildings (DOB) computerized Property Profile Overviews (PPOs) were reviewed. Pertinent information regarding Site is summarized below:

#### 495 Bushwick Avenue

The site was identified as a E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, building notices, demolition, electric sign, new building, oil burner application, plumbing repair and unsafe building. A temporary Certificate of Occupancy (CO) was noted in 1909 and was illegible for review, 1924 for a garage and manufacturing noted in a 1910 CO.

#### 489 Bushwick Avenue

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations. No Certificate of Occupancy (CO) were on file for review.

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### *485 Bushwick Avenue*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, demolition and an oil burner application. No Certificate of Occupancy (CO) were on file for review.

### *483 Bushwick Avenue*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, demolition and an oil burner application. No Certificate of Occupancy (CO) were on file for review.

### *479 Bushwick Avenue*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints were noted for the site. Two open violations were noted for the site in reference to electrical work. The following permits were noted for the site; alterations, demolition and a new building. A Certificate of Occupancy (CO) from 1955 and 1957 indicating occupancy of an iron shop were on file for review.

### *10 Montieth Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, demolition, construction, fire escape, an building notice. No Certificate of Occupancy (CO) were on file for review.

### *12 Montieth Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, demolition, unsafe building, electric sign. One Certificate of Occupancy (CO) for a machine shop was on file for review.

### *14 Montieth Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations,

demolition, unsafe building, electric sign. One Certificate of Occupancy (CO) for was on file however EBC was unable to access it for review.

### *18 Monteith Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; building notice, plumbing & drainage, plumbing repair slip and unsafe building. No Certificate of Occupancy (CO) were on file for review.

### *20 Monteith Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, building notice, electric sign, oil burner application, new building, sprinklers and unsafe building. No Certificate of Occupancy (CO) were on file for review.

### *Monteith Street (Lots 18 and 20)*

No records were on file for review.

### *32 Monteith Street*

The site was identified as an E Designation site for Hazmat, Noise and Air. No open complaints or violations were noted for the site. The following permits were noted for the site; alterations, oil burner application, fire escape and plumbing and drainage. No Certificate of Occupancy (CO) were on file for review.

### *15 Forrest Street (Lot 36)*

According to the PPO reviewed, one (1) DOB violation was listed on site and has been resolved. There is one (1) action on file for the site and it is for an alteration in 1986.

### *36-54 Monteith Street (Lot 23)*

According to the PPO reviewed, two (2) DOB violations were listed for the site and both have been resolved. There are thirty-one (31) actions on file for the Site and include; alterations (1937, 1933,

1936, 1944, 1945, 1946, 1983), building notice (1944, 1954), certificate of occupancy (1938), elevator (1936, 1937), plumbing (1925, 1946), special report (1936), unsafe building (1910), unknown (1912, 1925).

#### *Stanwix Street (Lot 50)*

*No records were on file for review.*

#### *34 Montieth Street (Lot 22)*

According to the PPO reviewed, two (2) DOB violations were listed for the site and both have been resolved. There are eight (8) actions on file for the Site and include; alteration (1926, 1942), plumbing (1942), and special report (1902).

#### *5.2.4 Previous Environmental Reports*

A Phase I Environmental Site Assessment was conducted on June 14, 2002 by IVI Assessment Services Inc.

Lots associated with Block 3141 were previously improved with apartment buildings, parking garages, a gasoline service station, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility. Prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings.

From at least 1933 up until sometime during or prior to 1951, the parking garage located on Block 3141, Lot 1 and Block 3141, Lot 15 were identified as maintaining a gasoline tank on-site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels, there is a potential that underground storage tanks (USTs) remain, which may have impacted the subsurface. IVI also observed a petroleum stain on the slab on grade floor of the interior of the vacant building of Block 3141, Lot 8. IVI recommends that care be taken during any

excavation/redevelopment activities and that any impacted soils identified at the time be properly removed in accordance with governmental regulations.

Lots 1 and 15 were noted to have gasoline tanks on site. IVI recommends that care be taken during redevelopment activities and that any encountered petroleum bulk storage tanks be removed in accordance with governmental regulations. Furthermore, any impacted soils associated with any encountered petroleum storage tanks should be properly removed in accordance with governmental regulations.

## *Phase II*

A Phase II Sub-surface Investigation was performed by EBC on February 26, 2014 (SB1-SB9) and December 12, 2014 (SB10, SB11). The Phase II Subsurface Investigation was performed across Block 3141 to determine if the subsurface soil, groundwater, and/or soil gas at the Site had been negatively impacted by historic uses of the Site.

The majority of the field work portion of the Phase II Subsurface Investigation was performed on February 26, 2014. The field work consisted of the installation of nine soil borings (SB1-SB9) to collect 18 soil samples (0-2 feet and 13-15 feet), the installation of six temporary groundwater monitoring wells (MW1-MW6) to collect to five groundwater samples (MW1, MW2, MW4, MW5, MW6), and the installation of seven soil vapor implants (SG1-SG7; installed at 13 feet below grade) to collect six soil vapor samples (SG1, SG2, SG4-SG7). Five of the six temporary monitoring wells were sampled on March 27, 2014, and the six of the seven soil vapor implants were sampled on April 24, 2014. Two additional soil borings (SB10, SB11) were performed on December 12, 2014, to collect four additional soil samples.

### *Soil Results:*

Soil sample results are compared to compared to NYSDEC Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use.

No VOCs were detected in any of the soil samples at a concentration above Unrestricted Use SCOs. However, the chlorinated VOC tetrachloroethene (PCE) (maximum of 95 ppb) was detected in several

soil samples at a concentration well below Unrestricted Use SCOs, and the chlorinated VOC trichloroethylene (TCE) (2 ppb) was detected in one soil sample at a concentration below Unrestricted Use SCOs.

SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above Unrestricted Use SCOs and/or Restricted Residential Use SCOs within 9 of the 11 shallow soil samples retained from the historic fill layer. SVOCs were not detected above Unrestricted Use SCOs within any of the deeper soil samples collected at the Site, with the exception of soil sample SB3(13-15). The elevated SVOC concentrations within soil sample SB3(13-15) are likely attributed to the historic fill material encountered within soil boring SB3 to a depth of 15 feet below grade.

No PCBs were detected in any of the soil samples, with the exception of PCB-1254 which was detected in soil samples SB3(0-2) (280 ppb) and SB11(0-2) (440 ppb) at a concentration above Unrestricted Use SCOs. The pesticides 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above Unrestricted Use SCOs within 5 of the 11 shallow soil samples retained from the historic fill layer. No pesticides or PCBs were detected within any of the deeper soil samples collected at the Site.

The metals arsenic, cadmium and lead were detected at above Restricted Residential Use SCOs in several of the soil samples collected from the historic fill material layer. The metals arsenic, barium, chromium, lead, mercury and zinc were detected above Unrestricted Use SCOs within nearly every sample collected from the historic fill material layer.

#### *Groundwater:*

Groundwater results are summarized and compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water).

No pesticides or PCBs were detected within the five groundwater samples collected at the Site. Chlorinated VOCs, including 1,1,1-trichloroethane (max of 2.1 µg/L), 1,1-dichloroethane (2 µg/L), 1,1,-dichloroethene (2.1 µg/L), chloroform (max of 1.1 µg/L), cis-1,2-dichloroethene (max of 2.8 µg/L), tetrachloroethene (max of 11 µg/L), trans-1,2-dichloroethene (0.39 µg/L) and trichloroethene

(max of 9.8 µg/L), were detected within the four of the five groundwater samples. The trichloroethene (TCE) and tetrachloroethene (PCE) concentrations were above GQS.

Several SVOCs including, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above GQS within the groundwater samples. The dissolved concentration of the metals iron, magnesium, manganese, selenium and sodium were detected above GQS in the groundwater samples. The presence of some of these metals in groundwater, specifically those that are common salinity indicators, can be attributed to the proximity to the East River and the intrusion of road salting.

#### *Soil Vapor:*

The laboratory results are summarized and compared New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (October 2006) Matrix 1 and Matrix 2 values.

Soil vapor samples indicated petroleum related VOCs were present at low concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 108.64 micrograms per cubic meter (µg/m<sup>3</sup>). The chlorinated VOC tetrachloroethene (PCE) was detected in all six soil gas samples ranging in concentration from 1.69 µg/m<sup>3</sup> to 277 µg/m<sup>3</sup> (SG5). Trichloroethene (TCE) was detected in five of the six soil vapor samples at a maximum concentration of 102 µg/m<sup>3</sup> (SG1). Carbon tetrachloride was detected within three of the six soil vapor samples (max of 0.503 µg/m<sup>3</sup>) and 1,1,1-trichloroethane (TCA) was detected in all two of the six soil vapor samples (max of 6.98 µg/m<sup>3</sup>). The carbon tetrachloride and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The concentrations of PCE and TCE were above the mitigation guidance matrix established by NYSDOH.

#### **Conclusions**

Soil at the Site consists of a layer of historic fill material that was found across the majority of the Site to extend to a depth of approximately 5 to 6 feet below grade, and some areas to depths as great as 15 feet below grade. Soil samples collected from the historic fill material layer reported metals (arsenic, cadmium, and lead) and SVOCs above Restricted Residential Use SCOs, and pesticides and PCBs above Unrestricted Use SCOs.

Submission of a Remedial Action Work Plan documenting the procedures for proper handling and off-Site disposal of the historic fill material will be required by the New York City Office of Environmental Remediation prior to obtaining building permits from the New York City Department of Buildings.

The chlorinated VOCs PCE and TCE were detected in groundwater samples collected at the Site above GQS. PCE and TCE were detected in soil samples collected at the Site, but at a concentration below Unrestricted Use SCOs, and are therefore not assumed to be the source of groundwater contamination. Both PCE and TCE were detected in on-Site soil vapor samples at a concentration above the mitigation guidance matrix established by NYSDOH. The elevated concentrations PCE and TCE in on-Site soil vapor may be associated with the PCE/TCE detected in the soil samples.

OER will require installation of a sub-slab depressurization system (SSDS) and vapor barrier/water proofing system as a part of any redevelopment plans for the Site to mitigate against migration of soil vapor into the new building(s).

#### 5.2.5 *Historic Zoning Map*

A review of the NYC Department of City Planning Zoning Maps for the years 1961 through 2012 indicates that the Site has been zoned manufacturing M1-1 from December 1961 to October 2012 and has been zoned both residential R6A, R7A and commercial C2-4 from December 2013 to the present day. A copy of the December 1961 zoning map is included as **Figure 5B**.

#### 5.2.6 *Activity and Use Limitations*

A search was conducted for Activity and Use Limitations (AULs) associated with the subject properties, more specifically Institutional Controls (ICs) and/or Engineering Controls (ECs), which have been placed upon the property as a result of environmental issue identified at the property. In the City of New York, information on such AULs is maintained by the City of New York Department of City Planning (NYCDCP) and is commonly depicted on zoning maps with an “E” designation, as well as maintained within Chain of Title Records. For a site to be designated with an “E” restriction, several criteria must be met. First, a property must be included within a designated re-zoning area, then the property must be identified as a “Potential” or “Projected” re-development property, and finally, the

site must be listed on one or more environmental regulatory databases as listed in the ASTM standard, be adjacent to such a site, and/or have historical usage associated with hazardous materials with the potential to impact human health and/or the environment should a release have occurred. Sites with an “E” designation require additional investigation and/or remediation be performed in order to determine if the historical use of a property, typically manufacturing or chemical usage, have impacted the site. No change of use or development requiring a building permit will be issued for an “E” designated site without approval from the NYCOER.

The search for environmental liens and AULs also included a review of information available from the New York City Department of Finance, New York City DOB, the EDR database report, City of New York Environmental Quality Review Requirement Declarations, City of New York Zoning maps, and the NYCDCP and NYCOER websites. The Site was identified as a Hazmat/Noise/Air designated site (E-315) with the description of “Air Quality-HVAC fuel limited to natural gas”, “ Air Quality-HVAC natural gas with low nox only”, “exhaust stack location limitations”, “hazardous materials-Phase I and Phase II testing protocol” and “window wall attenuation and alternate ventilation”. Typical NYCOER Phase II investigation/sampling requirements for hazmat “E” sites are as follows:

- Collection and laboratory analysis of for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), target analyte list (TAL) metals, PCBs and pesticides.
- Collection and laboratory analysis of groundwater samples for VOCs, SVOCs, TAL metals (filtered and unfiltered), PCBs and pesticides.
- Collection and laboratory analysis of soil gas samples for laboratory analysis of VOCs via EPA Method TO-15.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

## 6.0 SITE RECONNAISSANCE

### 6.1 Methodology and Limiting Conditions

Mr Kevin Waters of EBC performed the site inspection on January 13, 2015; beginning at approximately 11:00 am. The reconnaissance included a visual inspection of the Site, the sidewalk immediately in front of the Site, and the exterior of adjacent properties.

Photographs taken during the inspection are attached (**Appendix A**).

### 6.2 Observations

The Site is vacant and undeveloped with the exception of a single-story building located in the northwest corner of the Site. The Site is utilized for tractor trailer and private car parking.

### 6.3 Aboveground and Underground Storage Tanks (ASTs/USTs)

No USTs or ASTs were noted in connection with the Site.

### 6.4 Hazardous and Non-Hazardous Chemical Storage and Disposal

No hazardous and non-hazardous chemical storage and disposal was noted on the Site.

### 6.5 Underground Injection Control (UIC) Structures

Underground injection wells are regulated by the Underground Injection Control (UIC) Program under the authority of Part C of the Safe Drinking Water Act (SDWA) (42 U.S.C. 300h et seq.). The SDWA is designed to protect the quality of drinking water in the United States, and Part C specifically mandates the regulation of underground injection fluids through wells. The USEPA has promulgated a series of UIC regulations under this authority. Recent applicable revisions to UIC regulations were published in the State Implementation Guide - Revisions to the Underground Injection Control Regulations for Class V Injection Wells, September 2000. This document specifically addresses Class V injection wells, which include on-site wastewater disposal features such as drywells, cesspools and in-situ drains. The USEPA issued a Notice of Final Determination for Class V wells; Final Rule on June 7, 2002. With the exception of motor vehicle waste disposal wells and large-capacity cesspools, Class V wells are “authorized by rule” (40 CFR 144.24) and may inject non-hazardous waste as long as the following criteria are met:

- The injection does not endanger underground sources of drinking water (40 CFR 144.12); and

- The well owners or operators submit basic inventory information (40 CFR 144.26).

The USEPA may, at its discretion, require the owner or operator of any well authorized by rule to submit information for review to determine if a well may be endangering an underground source of drinking water. In regard to motor vehicle waste disposal wells and large capacity cesspools (those that serve more than 20 persons per day), owners and/or operators of such wells in regulated areas must close the wells or obtain a permit. These requirements are being phased-in through 2008. Owners and operators of large-capacity cesspools must close the structures by April 5, 2005.

Sanitary wastewater is discharged from the Site and the surrounding areas to the New York City municipal sewer system. No features subject to UIC regulations were observed on the subject property during the site inspection.

## **6.6 Polychlorinated Biphenyls (PCBs)**

Polychlorinated biphenyls (PCBs) were used until 1978 and are a group of compounds formed by the chlorination of biphenyl. PCBs have extremely high physical and chemical stabilities which led to their being used in many applications, including heat transfer fluids, hydraulic fluids, and dielectrics. PCBs are often found in transformers, capacitors and hydraulic systems.

Electrical equipment containing PCBs are still in use and can pose a serious health hazard if fluids come in direct contact with humans, soil or groundwater. Fires involving electrical equipment containing PCBs can cause the material to be dispersed over a large area and potentially expose many people to a health risk. Because of the health hazard associated with PCBs, they are regulated under the Toxic Substances Control Act (TSCA).

No equipment suspected to contain PCBs were identified on or adjacent to the property at the time of the site inspection.

## **6.7 Asbestos**

Asbestos is the name given to a group of fibrous silicate minerals, typically those of the serpentine group. The tensile strength, flexibility, and non-flammability of asbestos have led to many uses including structural materials, brake linings, insulation, and pipe manufacture. Asbestos is of concern as an air pollutant because when inhaled it may cause asbestosis, mesothelioma, and bronchogenic

carcinoma. In 1989, the USEPA announced regulations that would phase out most uses of asbestos by 1996.

As part of the site inspection, a visual survey was conducted of accessible areas for the presence of suspect asbestos-containing materials (ACM). No suspect ACM materials were noted during the inspection.

### **6.8 Lead-Based Paint (LBP)**

In 1978, the U.S. Product Safety Commission issued a ban on paints or surface coatings that contain greater than 0.06 percent lead. A visual inspection of painted surfaces was conducted during the site inspection. No suspect lead based paint materials were noted during the inspection.

### **6.9 Mold**

Concern about indoor exposure to mold has been increasing as the public becomes aware that exposure to mold can cause a variety of health effects and symptoms, including allergic reactions. Molds can be found almost anywhere; they can grow on virtually any organic substance, as long as moisture and oxygen are present. There are molds that can grow on wood, paper, carpet, foods, sheetrock, plaster and insulation. When excessive moisture accumulates in buildings or on building materials, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed.

As part of this assessment, a visual inspection was conducted for the presence of water damage and odors, indicative of the potential for mold growth. No visual or olfactory evidence of mold was identified at the subject property during the site inspection.

### **6.10 Wetlands**

A review of the NYSDEC Freshwater Wetland Map, Brooklyn Quadrangle, indicates that no NYS freshwater wetlands are located within a one mile radius of the Site. ECB also reviewed NYSDEC Tidal Wetlands Maps available online at <http://twi.ligis.org>. The tidal wetlands map indicates that there are no NYS tidal wetlands located within a one mile radius of the Site.

Potential federal wetlands were identified from the U.S. Fish and Wildlife Service (FWS) Wetlands Mapper software, which indicate that no potential federal wetlands are located within a half mile radius of the Site.

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) were reviewed to determine if the Site is located within the 100-year or 500-year flood zones. The FIRM showing the property (No. 3604970208F) indicates that the entire property is located outside the 100-year and outside the 500-year flood zones indicating an minimal risk of flooding at the Site. A copy of the FEMA FIRM is included in **Appendix B**.

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## 7.0 INTERVIEWS

### 7.1 Owner

EBC interviewed the owner representative was not aware of any environmental issues in connection with the Site.

### 7.2 Occupants

EBC did not interview the manager for the property.

### 7.3 Local Government Officials

Freedom of Information Act (FOIA) requests were sent to the NYCDEP, NYCDOH and FDNY York City Department of Health (NYCDOH) for information regarding hazardous operations and or other environmental reports/investigations for the Site, including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt. Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

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## 8.0 FINDINGS AND OPINIONS

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, **No recognized environmental conditions were identified in connection with the Site.**

*The following conditions were examined and determined not to be RECs:*

Based on a review of Sanborn maps, the northwest portion of the Site at 20-24 Monteith Street was occupied by a garage in 1933. A gasoline tank was located in the northeast portion of this garage. The southwest portion of the Site at 1-11 Forrest Street and 489-501 Bushwick Avenue was also similarly occupied by a garage in 1933. A gasoline tank was located in the southwest portion of this garage. Gasoline tanks can leak over time and impact the sub-surface.

Based on a review of historical resources, the Site was historically occupied by several tenants of environmental concern which include; machine shop ( 19-25 Forrest Street, 12 Monteith Street), metal working garage (21-25 Forrest Street), manufacturing operations (13-25 Forrest Street, 13-17 Forrest Street), iron works facility (8 Monteith Site). These historical operations are typically associated with solvents. These solvents, even when properly stored and disposed of, can be released from these facilities in small, frequent releases through floor drains, cracked concrete, and sewer systems. Chlorinated solvents are highly mobile chemicals that can easily accumulate in soil.

Based on a review of a prior Phase I report issued (IVI Assessment Services Inc, 2012), a gasoline station existed at Block 3141 Lots 21 & 22 (northeast portion of the Site). This deduction was reached by IVI based on a review of New York City Building department Records. A demolition permit was granted for this address in 1951. No evidence of a gasoline station was uncovered during the historical research conducted by EBC. Gasoline tanks can leak over time and impact the sub-surface.

*Reason for exclusion:*

These Areas of concern were full investigated when EBC performed a Phase II subsurface investigation. A Phase II Sub-surface Investigation was performed by EBC on February 26, 2014 (SB1-SB9) and December 12, 2014 (SB10, SB11). The Phase II Subsurface Investigation was

performed across Block 3141 to determine if the subsurface soil, groundwater, and/or soil gas at the Site had been negatively impacted by historic uses of the Site.

The field work consisted of the installation of nine soil borings (SB1-SB9) to collect 18 soil samples (0-2 feet and 13-15 feet), the installation of six temporary groundwater monitoring wells (MW1-MW6) to collect to five groundwater samples (MW1, MW2, MW4, MW5, MW6), and the installation of seven soil vapor implants (SG1-SG7; installed at 13 feet below grade) to collect six soil vapor samples (SG1, SG2, SG4-SG7). Five of the six temporary monitoring wells were sampled on March 27, 2014, and the six of the seven soil vapor implants were sampled on April 24, 2014. Two additional soil borings (SB10, SB11) were performed on December 12, 2014, to collect four additional soil samples.

Soil at the Site consists of a layer of historic fill material that was found across the majority of the Site to extend to a depth of approximately 5 to 6 feet below grade, and some areas to depths as great as 15 feet below grade. Soil samples collected from the historic fill material layer reported metals (arsenic, cadmium, and lead) and SVOCs above Restricted Residential Use SCOs, and pesticides and PCBs above Unrestricted Use SCOs.

Submission of a Remedial Action Work Plan documenting the procedures for proper handling and off-Site disposal of the historic fill material will be required by the New York City Office of Environmental Remediation prior to obtaining building permits from the New York City Department of Buildings.

The chlorinated VOCs PCE and TCE were detected in groundwater samples collected at the Site above GQS. PCE and TCE were detected in soil samples collected at the Site, but at a concentration below Unrestricted Use SCOs, and are therefore not assumed to be the source of groundwater contamination. Both PCE and TCE were detected in on-Site soil vapor samples at a concentration above the mitigation guidance matrix established by NYSDOH. The elevated concentrations PCE and TCE in on-Site soil vapor may be associated with the PCE/TCE detected in the soil samples.

OER will require installation of a sub-slab depressurization system (SSDS) and vapor barrier/water proofing system as a part of any redevelopment plans for the Site to mitigate against migration of soil vapor into the new building(s).

The following environmental issues were identified:

### **8.1 Additional Environmental Issues**

The Site has been assigned an E-designation (E-315) for Hazmat, Noise and Air as part of the Rheingold Rezoning action completed by the City in April 2001 (CEQR 09DCP002K).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property. An OER approved subsurface investigation has been completed for the Site. A Remedial Investigation Report and Remedial Action Work Plan are being prepared for the Site in accordance with OER regulations.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential and or commercial development for lots 1, 5-8, 10, 11, 12, 14, 15 and 18 to ensure that the type of fuel used for space heating and hot water systems is natural gas only. For lots 20, 21, 22,23 and 36 any new residential and/or commercial development must ensure that the heating, ventilating, and air conditioning stack(s) are placed on building F, which is configured for portions of lots 20, 21, 22 and 23. The stack must discharge at least 90 feet above ground level and at least 10 feet from the Montieth Street lot line. The development must also ensure that the type of fuel used for the HVAC system is natural gas with low NOx only.

Additional information regarding “E” sites can be found on the New York City Office of Environmental Remediation website:

[http://www.nyc.gov/html/oer/html/e\\_designation/e\\_designation.shtml](http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml)

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## 9.0 CONCLUSIONS AND RECOMMENDATIONS

EBC performed a Phase I Environmental Site Assessment in conformance with the scope and limitations as described under ASTM Practice E1527-13 for the commercial property identified by the street addresses of 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street, Block 2771 Lot No 1 Brooklyn, New York. Any exceptions to, or deletions from, this practice are described in **Section 1.4** of this report. Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, *this assessment has revealed no recognized environmental conditions in connection with the Site.*

### **ADDITIONAL ENVIRONMENTAL ISSUES**

The Site has been assigned an E-designation (E-315) for Hazmat, Noise and Air as part of the Rheingold Rezoning action completed by the City in April 2001 (CEQR 09DCP002K).

An E-designation does not interfere with the present use of the Site; however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property. An OER approved subsurface investigation has been completed for the Site. A Remedial Investigation Report and Remedial Action Work Plan are being prepared for the Site in accordance with OER regulations.

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a noise attenuation of 31 dBA to maintain a maximum interior noise level of 45 dBA. An alternate means of ventilation such as through the wall or central air conditioning will also be required to maintain a closed window condition. Satisfaction of the Noise E requires the submission of a Noise Remedial Action Plan and an Installation Report certified by a Professional Engineer or Registered Architect.

The Air E requires any new residential and or commercial development for lots 1, 5-8, 10, 11, 12, 14, 15 and 18 to ensure that the type of fuel used for space heating and hot water systems is natural gas only. For lots 20, 21, 22,23 and 36 any new residential and/or commercial development must ensure that the heating, ventilating, and air conditioning stack(s) are placed on building F, which is configured

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for portions of lots 20, 21, 22 and 23. The stack must discharge at least 90 feet above ground level and at least 10 feet from the Monteith Street lot line. The development must also ensure that the type of fuel used for the HVAC system is natural gas with low NOx only.

Additional information regarding “E” sites can be found on the New York City Office of Environmental Remediation website:

[http://www.nyc.gov/html/oer/html/e\\_designation/e\\_designation.shtml](http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml)

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## 10.0 DEVIATIONS

This Phase I ESA was conducted in accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) and 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule). Excluding additional services outlined in Section 11.0, there were no deviations or deletions from this practice.

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## 11.0 ADDITIONAL SERVICES

EBC has included, in addition to those items outlined by ASTM E 1527-13, a general evaluation of the following is a list of non-scope considerations, which may be addressed, in a limited capacity within this Phase I Environmental Site Assessment:

- Radon;
- Lead-based Paint;
- Asbestos-containing Materials; and
- Wetlands.

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## 12.0 REFERENCES

Standard practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Standard E 1527-13

All Appropriate Inquiry, Final Rule, 40 CFR Part 312

Environmental Data Resources, Inc. regulatory database report, January 2015.

EDR Sanborn, Inc., Sanborn Map Report, January 2015.

Environmental Data Resources, Inc. City Directory Search, January 2015.

New York City Tax Assessor, records review - January 2015.

New York City Department of Health, Freedom of Information request forwarded January 2015.

New York City Fire Department, Freedom of Information request forwarded January 2015.

New York City Department of Environmental Protection, Freedom of Information request forwarded January 2015.

New York City Building Department, records on-line review January 2015.

U.S.G.S. Topographic Map, Brooklyn, NY Quadrangle.

U.S. Department of the Interior, Fish and Wildlife Service. National Wetlands Inventory Maps.

New York State Department of Environmental Conservation. Tidal Wetlands Maps, Brooklyn County, New York.

Federal Emergency Management Agency (FEMA) Flood Zone Map Panel No. 3604970208F .

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### 13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

*Prepared By:*



Chawin Miller

Project Manager / Industrial Hygienist

*Reviewed By:*



Charles B. Sosik, P.G., P.H.G.

Principal

# QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL



**ENVIRONMENTAL BUSINESS CONSULTANTS**

## **Charles B. Sosik, PG, PHG, Principal**

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### **Professional Experience**

25 years

### **Education**

MS, Hydrogeology, Adelphi University, NY  
BS, Geology, Northern Arizona University, AZ

### **Areas of Expertise**

- Brownfields Redevelopment
- Hazardous Waste Site Investigations
- Pre-purchase Site Evaluations and Support
- Regulatory Negotiations
- Remedial Planning and "Cost to Cure" Analysis
- Strategic Planning
- Real Estate Transactions
- NYC "E" Designations

### **Professional Certification**

- Professional Geologist, NH
- Professional Geologist, Hydrogeologist, WA
- OSHA 40-hr HAZMAT
- OSHA 8-hr. Supervisor
- NYC OER Qualified Environmental Professional

### **Professional Affiliation / Committees**

- NYS Council of Professional Geologists (NYSCPG)
  - Association of Groundwater Scientists & Engineers (AGSE)
  - NYS RBCA Advisory Committee
  - Massachusetts LSP Association
  - New Hampshire Association of Professional Geologists
  - Interstate Technology Regulatory Council/MTBE Team
  - Environmental Business Association, Brownfields Task Force
  - Part 375 Working Group
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## **PROFILE**

Mr. Sosik has 25 years of experience in environmental consulting. He specializes in advising clients on managing environmental compliance with federal, state, and municipal agencies and has successfully directed numerous investigation and remediation projects involving petroleum, pesticides, chlorinated solvents, heavy metals and radiologically activated media. His work included extensive three-dimensional investigations on MTBE, which have been used effectively to help shape public policy. He also has experience in applying models to groundwater related problems and has completed several large-scale projects to determine fate and transport of contaminants, establish spill scenarios, and closure criteria. His experience and expertise in the area of contaminant hydrogeology has resulted in requests from environmental attorneys, property owners and New York State to serve as an expert witness and technical advisor on a variety of legal disputes.

For the past 10 years Mr. Sosik has been primarily engaged in providing environmental consulting to developers responding to the extensive re-zoning of former industrial and commercial properties, which is currently taking place throughout New York City. These services include everything from pre-purchase evaluations and contract negotiations to gaining acceptance in and moving projects through the NYS Brownfields Program. Mr. Sosik has taken a pro-active role in the continued development of the NYS Brownfields Program and related policy, by attending numerous working seminars, active participation in work groups and task forces and by providing commentary to draft versions of new guidance documents. Throughout his professional career, Mr. Sosik has remained committed to developing innovative cost- efficient solutions to environmental issues, specifically tailored to the needs of his clients.

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## **SELECTED PROJECTS**

### **Scavenger Waste Treatment Facility (SWTF), Suffolk County, NY**

**Water Treatment Plant EIS - Focused EIS** - In response to requests from the Suffolk County Council on Environmental Quality and the Brookhaven Conservation Advisory Council, Mr. Sosik prepared a focused EIS to evaluate the potential impacts to an important surface water resource from the proposed facility including cumulative and synergistic effects with established contaminant plumes in the area.

### **Advanced Residential Communities, Rockville Centre, NY**

**Brownfield Project** – As the senior project manager on this large scale, high profile redevelopment project, Mr. Sosik was asked to develop a plan to accelerate the regulatory process in the face of general community opposition. Through numerous discussions with the BCP management team, He was able to condense the schedule and review period, through the submission of supporting documents (Investigation Report, Remedial Work Plan) with the BCP application package. Community opposition, which focused on the environmental condition of the site as a means to block the project, was used to

advantage in expediting approval of the aggressive interim remedial plan. This will allow the developer to begin remedial work approximately 5 months ahead of schedule.

### **Former Temco Uniform site, West Haverstraw, NY**

**Brownfield Project** – Mr. Sosik took over management of this project from another consultant following transition of this VCP site to the BCP. Mr. Sosik used the opportunity to renegotiate and revise the scope of work to allow a more cost effective and focused investigation plan without re-writing or resubmitting the RIWP. During the NYSDEC's review of the transition package, he met with and coordinated changes with the NYSDEC Project Manager to gain approval. The result saved the client a significant amount of money, but perhaps more importantly in this case, did so without loss of time.

### **Grovick Properties, Jackson Heights, NY**

**Brownfield Project** – This Brownfield property is somewhat unique in that it had been investigated and partially remediated by the NYSDEC through the petroleum spill fund. The client was interested in

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## **Charles B. Sosik, PG, PHG, Principal**

purchasing the property and redeveloping it as office and retail space. Mr. Sosik reviewed the NYSDEC investigation and developed a supplemental plan to meet the requirements of an RI under the BCP program. By performing this limited amount of field work "up-front" he was able to complete an RI Report and Remedial Plan and submit both with the BCP application package. The NYSDEC and NYSDOH approved the RI Report and the Remedial Plan with minor changes. This cut 120 days from the review process and allowed the client to arrange financing and move his project forward knowing what the clean-up costs would be at the outset.

### **Metro Management, Bronx, NY**

**Brownfield Project** – The site of a former gas station, the developer had planned to construct a 12-story affordable housing apartment complex with first floor retail space. Since the site was located in an Environmental zone, potential tax credits of 22% for site development, remediation and tangible property could be realized under the BCP. In a pre-application meeting with the NYSDEC, Mr. Sosik realized that the department did not believe the site was eligible for the BCP, since it had been previously investigated and closed under the spills program.

Mr. Sosik assisted the developer in securing financing, and due to the demands of an aggressive construction schedule developed an Interim Remedial Measure (IRM), based on chemical oxidation treatment. Working closely with the clients environmental counsel, Mr. Sosik was able to get the IRM approved without a public comment period. Implementation of the IRM is currently underway.

The project was awarded the 2009 NYC Brownfield Award for Innovation.

### **Brandt Airflex, NY**

**Technical Consulting Services** - Mr. Sosik provided senior level technical advice and strategic planning in developing an off-site RI/FS for the site, in negotiating a tax reduction for the property due to the environmental condition and in preparing a cost to cure estimate for settlement between business partners. After achieving a favorable tax consideration and settlement agreement for his client

### **Allied Aviation Services, Dallas, Fort Worth, Airport, Dallas, TX**

**Jet Fuel Investigation** - Mr. Sosik developed and managed an investigative plan to quickly identify the extent and source of jet fuel which was discharging from the Airport's storm drain system to a creek a mile away. Through the use of a refined conceptual model, accelerated investigative techniques and a flexible work plan, he was able to identify the source of the fuel and the migration route within a single week. He then identified remedial options and successfully negotiated a risk based plan with the Texas regulatory agency that had issued a notice of enforcement action against the facility.

### **KeySpan – Former LILCO Facilities, Various NY Locations**

**Pesticide Impact Evaluation** - Mr. Sosik developed, negotiated and implemented a site screening procedure to evaluate impact to public health and the environment as the result of past herbicide use at 211 utility sites. Using an unsaturated zone leaching model (PRZM) on a small subset of the sites, he was able to establish mass loading schedules for the remaining sites. This was combined with public well

data in a GIS environment to perform queries with respect to mass loading, time transport and proximity to vulnerable public supply wells. Using this approach Mr. Sosik was able to show that there were no concerns for future impact. This effort satisfied the public health and resource concerns of the state environmental agency and county health department in a reasonable amount of time and at a fraction of the cost of a full scale investigation.

### **Former Computer Circuits (Superfund) Site, Hauppauge, NY**

**CERCLA RI/FS** - As Senior Project Manager for the site, he played a major role in regaining control of the investigation activities for the PRP. This action prevented the USEPA from initiating an extensive investigation at the site using a RAC II contractor allowing the client to perform a more efficient investigation. He was involved in all negotiations with EPA and was the project lead in developing a revised site characterization plan (work plan, field sampling plan, quality assurance plan, etc.). By carefully managing all phases of the investigation and continued interaction with each of the three regulatory agencies involved, Mr. Sosik was able to keep the project focused and incrementally reinforce the clients position. The estimated cost of the revised investigation is expected to save the client 1.5 to 2 million dollars.

### **Sun Oil, Seaford, NY**

**Remediation Consulting Services & Project Management** - Under an atmosphere of regulatory distrust, political pressure and mounting public hostility toward the client, Mr. Sosik conducted an off-site 3-D investigation to define the extent of contamination and the potential impact on public health. By designing and implementing an aggressive source area remediation program and personal interaction with the public and regulatory agencies, he was able to successfully negotiate a limited off-site remediation favorable to the client. Source area remediation was completed within 6 months and the project successfully closed without damage to the client's public image or working relationship with the regulatory agencies.

### **Con Edison, Various Locations, NY**

**Hydrogeologic Consulting Services** - Under a general consulting contract, Mr. Sosik conducted detailed subsurface hydrogeologic investigations at five locations to assist in the development of groundwater contingency planning. He also developed and implemented work plans to investigate and remediate existing petroleum, cable fluid, and PCB releases at many of the generating facilities and substations. An important aspect of his role was in assisting the client in strategic planning and negotiations with the regulatory agency.

### **Keyspan - Tuthill Substation, Aqueboque, NY**

**Accelerated Site Characterization** - Using accelerated site characterization techniques, Mr. Sosik presented the project as a case study in establishing the transport of an herbicide and its metabolites applied at utility sites in the 1980's. The results were then used to establish a screening method for evaluating 211 similar sites controlled by the client in a reasonable and efficient manner.

### **NYSDEC Spill, East Moriches, NY**

**Spill Release Analysis** - With recognized expertise in the area of gasoline plume development on Long Island, Mr. Sosik was asked by



## **Charles B. Sosik, PG, PHG, Principal**

the State to establish the release date (and principal responsible party) of an extensive petroleum spill, which impacted a residential neighborhood. He used multiple lines of evidence, and a new EPA model (HSSM), which he has helped to refine, to reconstruct the release scenario and spill date, in support of the State Attorney General's cost recovery effort from the PRP.

### **Minmilt Realty, Farmingdale, NY**

**Fate & Transport Modeling** - He completed an RI/FS at this location for a PCE plume that had been in transit for over 30 years. Mr. Sosik applied a conservative model to evaluate time/concentration impacts under a variety of transport scenarios to a municipal wellfield located 13,000 feet away. Through the use of the model and careful interpretation of an extensive data set compiled from several sources, Mr. Sosik was able to propose a plan which was both acceptable to the regulator and favorable to the client.

### **Sebonack Golf Course Project, Town of Southampton, NY**

**IPM Pesticide Study** - Provided professional hydrogeologic services in support of the EIS prepared for the development of the site. The proposed development included an 18-hole golf course, clubhouse, dormitory facility, cottages, associated structures, and a 6,000 square foot research station for Southampton College. Mr. Sosik performed an extensive evaluation (using a pesticide-leaching model) on the effects of pesticide and nitrogen loading to groundwater as part of the projects commitment to an Integrated Pest Management (IPM) approach.

### **NYSDEC, Spills Division, Regions 1 - 4**

**Petroleum Spills Investigation & Remediation** - As a prime contractor/consultant for the NYSDEC in Regions 1-4, Mr. Sosik has managed the investigation and remediation of numerous petroleum spills throughout the State. Many of these projects required the development of innovative investigation and remediation techniques to achieve project goals. He was also involved in many pilot projects and research studies to evaluate innovative investigation techniques such as accelerated site characterization, and alternative approaches to remediation such as monitored natural attenuation and risk based corrective action.

### **Sun Oil, E. Meadow, NY**

**Exposure Assessment** - Performed to seek closure of the spill file, despite the presence of contaminants above standards, Mr. Sosik determined after the extended assessment that the level of remaining contamination would not pose a future threat to human health or the environment. He used multiple lines of evidence, and a fate and

transport model to show that degradation processes would achieve standards within a reasonable time.

### **Sand & Gravel Mine, NY**

**Property Development** - As part of the development of a sand and gravel mine, Mr. Sosik provided environmental consulting services to assist in obtaining a mining permit, which would result in the construction of a 150-acre lake. Specifically, Mr. Sosik investigated if the proposed lake would reduce groundwater quantity to domestic and public well fields, and/or accelerate the migration of potential surface contaminants to the lower part of the aquifer. After assuming the lead role in negotiations with the regulatory agency, Mr. Sosik was able to obtain a permit for the client by adequately addressing water quality and quantity issues, and by preparing a monitoring plan and spill response plan, acceptable to all parties.

### **NYSDEC, Mamaroneck, NY**

**Site Characterization / Source Identification** - In a complex hydrogeologic setting consisting of contaminant transport through fractured metamorphic bedrock and variable overburden materials, Mr. Sosik was able to develop and implement a sub-surface investigation to differentiate and separate the impact associated with each of two sources. The results of this investigation were successful in encouraging the spiller to accept responsibility for the release.

### **Riverhead Municipal Water District, NY**

**Site Characterization / Remedial Planning** - Using accelerated characterization techniques, he implemented a 3-D site investigation to identify two service stations 4,000 ft. away as the source of contamination impacting a municipal wellfield. In accordance with the strict time table imposed by the need to return the wellfield to production by early spring, he designed and implemented a multi-point (9 RW, 6 IW) recovery and injection well system using a 3-d numerical flow model, and completed the project on time. Using a contaminant transport model, Mr. Sosik developed clean-up goals which were achieved in 9 months of operation, well below the projected 3 to 5 year project duration.

### **Montauk Fire Department, NY**

**Site Assessment** - Mr. Sosik performed a limited investigation and used a 2-D flow model to demonstrate that the property could not have been the source of contamination which had impacted an adjacent wellfield as per the results of a previous investigation. This small focused effort successfully reversed a \$500,000, and rising, claim against the department by the water district and the NYSDEC.

## **PREVIOUS EXPERIENCE**

### **P.W. Grosser Consulting, Bohemia, NY**

Senior Project Manager, 1999-2006

### **Environmental Assessment & Remediation, Patchogue, NY**

Senior Project Manager, 1994-1999

### **Miller Environmental Group, Calverton, NY**

Project Manager, 1989-1994

### **DuPont Biosystems, Aston, PA**

Hydrogeologist, 1988-1989



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EXPERT WITNESS TESTIMONY AND DEPOSITIONS

Fact Witness -Testimony on relative age of petroleum spill based on nature and extent of residual and dissolved components at the Delta Service Station in Uniondale, NY Fall/1999

Expert Witness / Expert Report for defendant in cost recovery case by NYS Attorney General regarding a Class II Inactive Hazardous Waste (State Superfund) project by the NYSDEC (October 2004 – present, Report: March 2005, Deposition: April 2005, 2nd Report: Aug. 2013, 2nd Deposition Nov. 2013, Bench Trial: December 2013 - qualified as expert in Federal Court),

Expert Witness / Fact Witness for plaintiff seeking compensation for partial expenses incurred during the investigation and remediation of a USEPA CERCLA site due to the release and migration of contaminants from an "upgradient" industrial property. (Deposition May 2005, case settled April 2007).

Expert Witness / Fact Witness for NYS Attorney General with respect to cost recovery for a NYSDEC petroleum spill site in Holtzville, NY (Deposition April 2005 - case settled).

Expert Witness – Statement of opinion and expert testimony at trial for plaintiff seeking damages from a major oil corporation for contamination under a prior leasing agreement in Rego Park, NY. Case decided in favor of plaintiff. Trial July 2007, in favor of Plaintiff. Qualified as Expert.

Expert Witness / Fact Witness for NYS Attorney General with respect to cost recovery for a NYSDEC petroleum spill site in Lindenhurst, NY (Trial date Dec. 2009, in favor of plaintiff. Qualified as Expert State Supreme Court.

Expert Witness - for NYS Attorney General regarding NYSDEC cost recovery for a petroleum spill site at Riverhead, NY. Case settled July 2008.

Expert Witness for plaintiffs in class action case with respect to damages from chlorinated plume impact to residences in Dayton, OH. (Draft Report – May 2013).

Expert Witness / Fact Witness for defendant with respect to cost recovery and third party responsibility for a NYSDEC petroleum spill site in Lindenhurst, NY (Expert Statement of Fact – October 2005).

Expert Witness for plaintiff seeking damages related to a petroleum spill from the previous owner/operator of a gas station in College Point, NY. Case settled 2009.

Expert Witness for plaintiff (municipal water supply purveyor) seeking damages from major oil companies and manufacturer of MTBE at various locations in Suffolk County, NY. Expert reports July 2007, August 2007 and October 2007, Case settled August, 2008.

Expert Witness - Deposition for NYS Attorney General regarding NYSDEC cost recovery for a petroleum spill site at Sag Harbor, NY. August 2002

Expert Witness for defendant responding to a claim from adjacent commercial property owner on the origin of chlorinated solvents on plaintiff's property located in Cedarhurst, NY. Expert opinion submitted to lead counsel on March 6, 2009, case settled April 2009.

Expert Report - for Attorney General on modeling performed to determine the spill release scenario at a NYSDEC petroleum spill site in East Moriches, NY. June 2000.

Expert Witness - for plaintiff in case regarding impact to private wells from a spill at adjacent Town and County properties with open gasoline spill files in Goshen, NY. Expert report submitted August 2013.

Expert Witness for defendant with respect to cost recovery from Sunoco for a NYSDEC petroleum spill site. (Declaration – January 2013).

Expert Witness - for plaintiff (municipal water supply purveyor) seeking damages from Dow Chemical for PCE impact at various locations in Suffolk County, NY. Affidavit submitted 2011.

MODELING EXPERIENCE (PARTIAL LISTING)

Table with 3 columns: PROJECT, MODEL, APPLICATION. Rows include Riverhead Water District, NYSDEC - Region 1, AMOCO, Keyspan Energy, Saboneck Golf Club, Suffolk County Department of Public Works, SCDPW SUNY Waste Water Treatment Plant, and Water Authority of Great Neck North.

PUBLICATIONS / PROFESSIONAL PAPERS

- Smart Pump & Treat Strategy for MTBE Impacting a Public Water Supply (14th Annual Conference on Contaminated Soils Proceedings, 1998)
Transport & Transformation of BTEX & MTBE in a Sand Aquifer (Groundwater Monitoring & Remediation 05/1998)
Characteristics of Gasoline Releases in the Water Table Aquifer of Long Island (Petroleum Hydrocarbons Conference Proceedings, 1999)
Field Applications of the Hydrocarbon Spill Screening Model (HSSM) (USEPA Interactive Modeling Web Course www.epa.gov/athens/software/training/webcourse Authored module on model application and applied use of calculators, 02/2000)
Comparative Evaluation of MTBE Sites on Long Island, US EPA Workshop on MTBE Bioremediation (Cincinnati, 02/2000)
Comparison of Four MTBE Plumes in the Upper Glacial Aquifer of Long Island (American Geophysical Union, San Francisco, 12/1996)
Analysis and Simulation of the Gasoline Spill at East Patchogue, New York (American Geophysical Union, San Francisco, 12/1998)



**ENVIRONMENTAL BUSINESS CONSULTANTS**

## **Chawinie Miller, Project Manager / Industrial Hygienist**

---

### **Professional Experience**

EBC: March 2013

Prior: 8 years

### **Education**

Bachelor of Science, Environmental Health and Safety, Stony Brook University, NY

### **Areas of Expertise**

- Phase I / Property Condition Assessments
- Occupational Health and Safety Sampling
- Indoor Air Quality (IAQ) Investigations
- Mold Investigations and Remediation
- Soil and Ground Water Investigations
- Noise Studies
- Lead Paint and Asbestos Surveys
- Hazardous Materials Assessments

### **Professional Certification**

- OSHA 40-hr HAZWOPER
- NYS Asbestos Inspector
- NYC Asbestos Investigator
- USEPA Lead Inspector
- USEPA Lead Risk Assesor
- OSHA 10-hr Construction Health and Safety
- Hazard Analysis and Critical Control Point (HACCP) Certified

### **PROFILE**

---

Ms. Miller has 9 years experience as an environmental consultant/contractor and has worked on and managed a wide range of environmental projects. Ms. Miller has conducted Phase Is and Property Condition Assessments for commercial, industrial, and residential properties in New York, New Jersey and Connecticut. In addition, Ms. Miller has conducted various IAQ, asbestos, mold and occupational health and safety sampling investigations for a variety of city, state, federal and private clients.

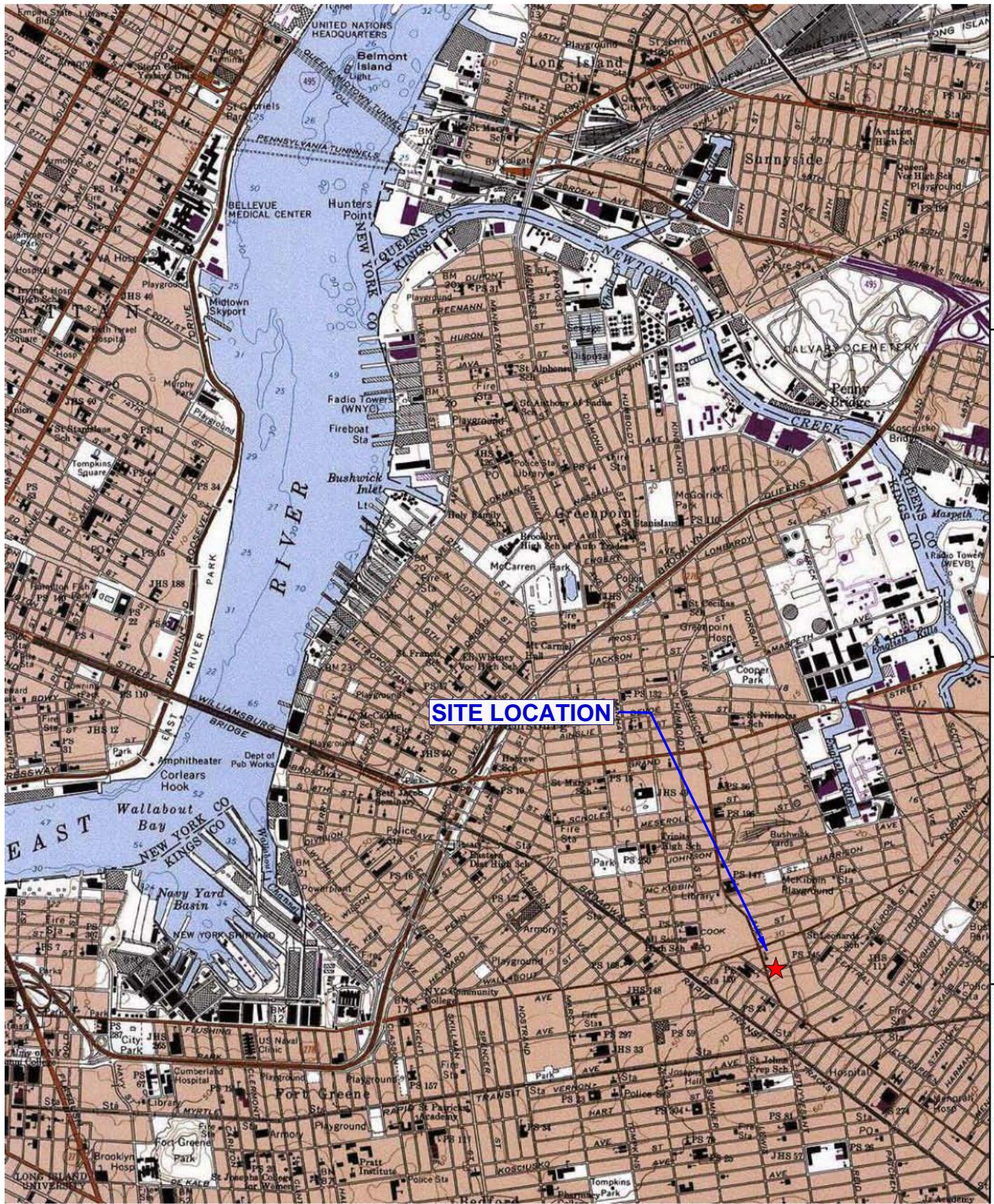
### **PREVIOUS EXPERIENCE**

---

The Louis Berger Group, New York, New York  
Industrial Hygienist, 2008-2013

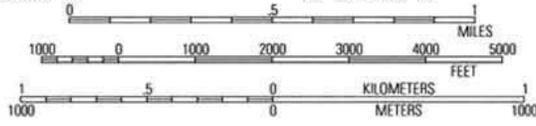
AEI Consultants, Jersey City, New Jersey  
Environmental Scientist, 2005-2008

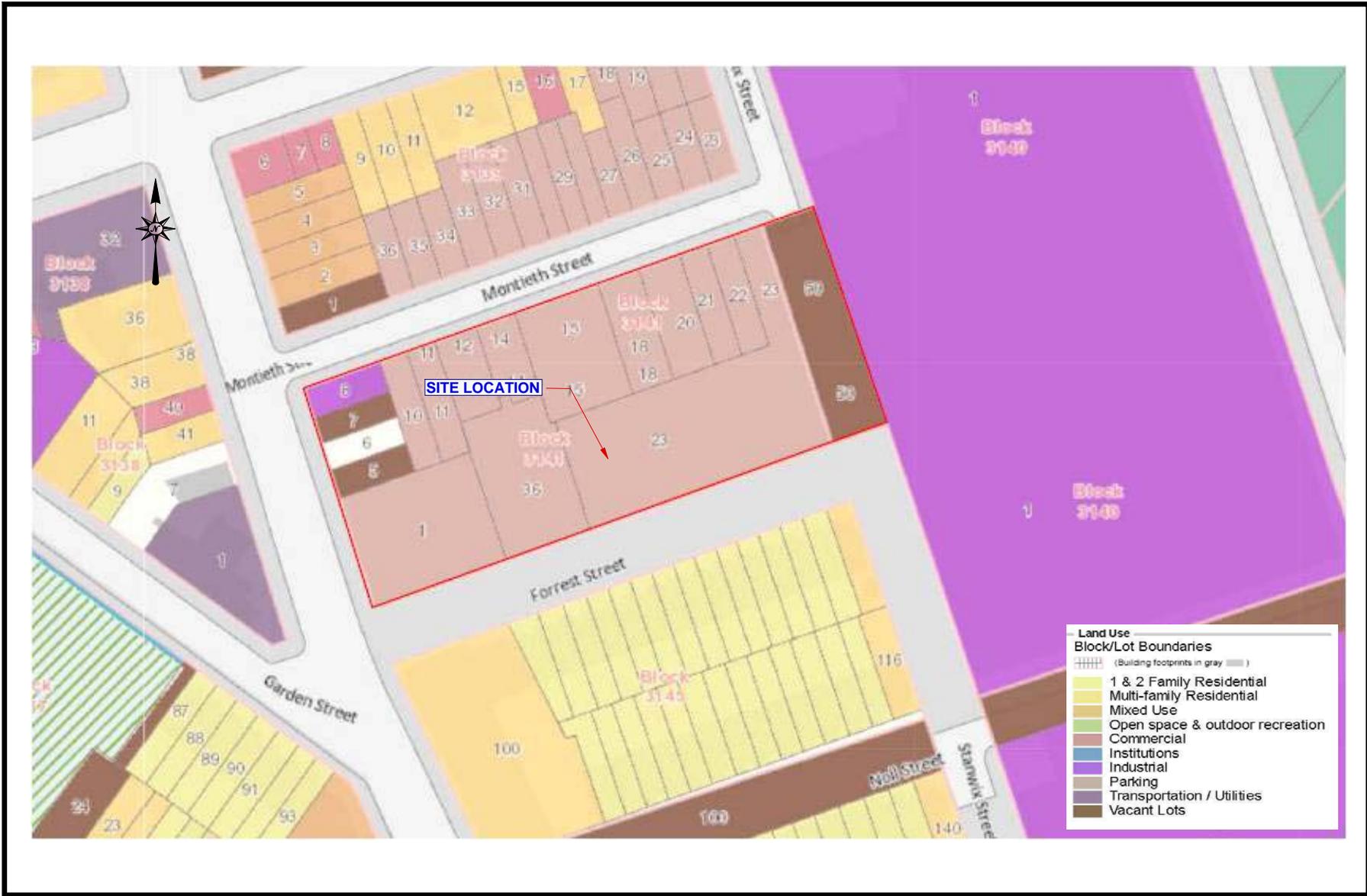
## FIGURES

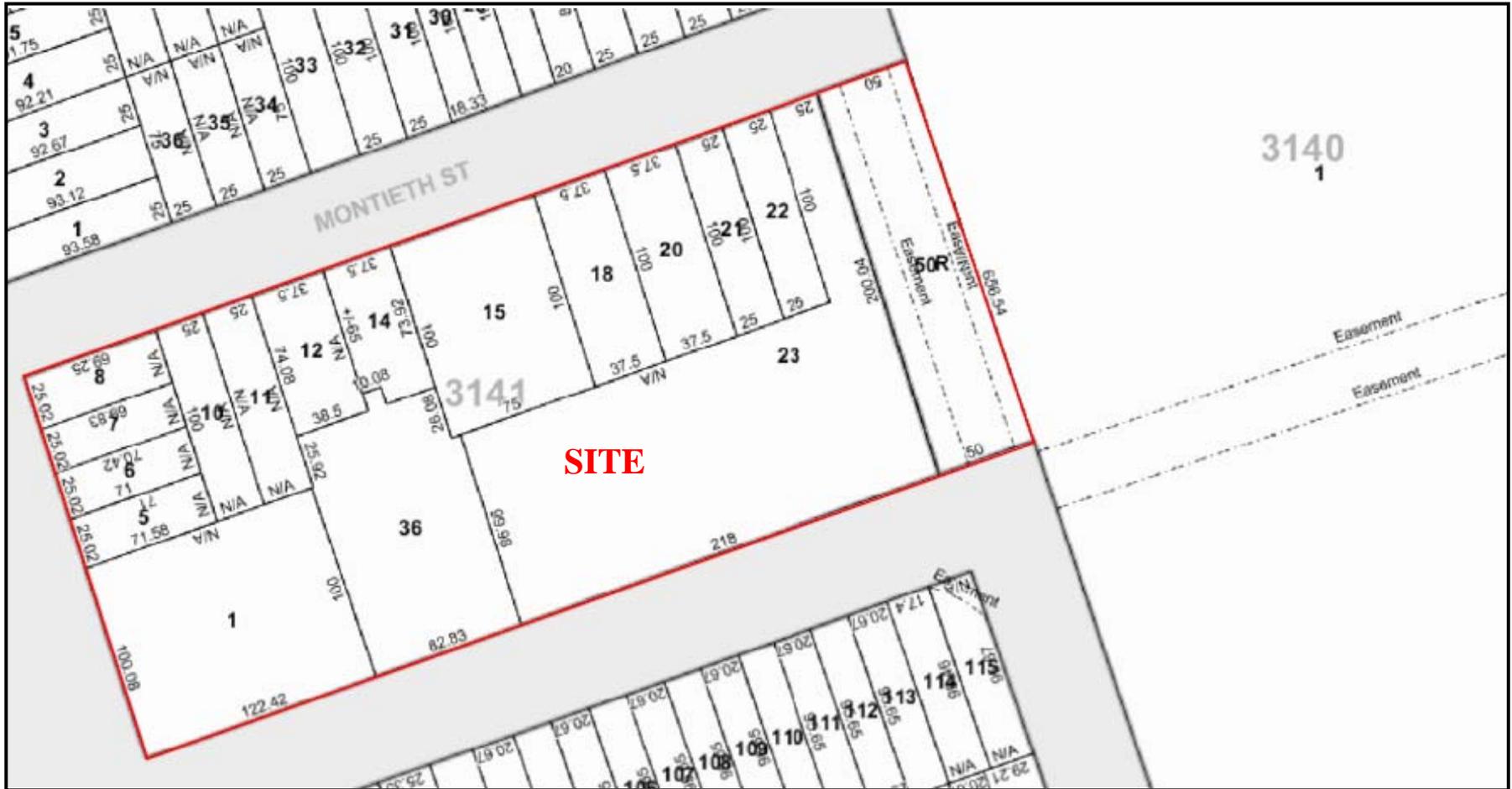


40°45.000' N  
40°44.000' N  
40°43.000' N  
40°42.000' N

73°59.000' W      73°58.000' W      73°57.000' W      WGS84 73°56.000' W







**FIGURE 3 – TAX MAP**

501 BUSHWICK AVENUE  
 BROOKLYN, NEW YORK 11206

PHASE I – ENVIRONMENTAL SITE ASSESSMENT  
 (BLOCK 3141 LOTS 1, 5-8, 10-12, 14, 15, 18, 20-23, 36, & 50)



**ENVIRONMENTAL BUSINESS CONSULTANTS**

1808 Middle Country Road, Ridge, New York 11961

Phone: (631) 504-6000 Fax: (631) 924-2870



**FIGURE 4 – SITE AERIAL**

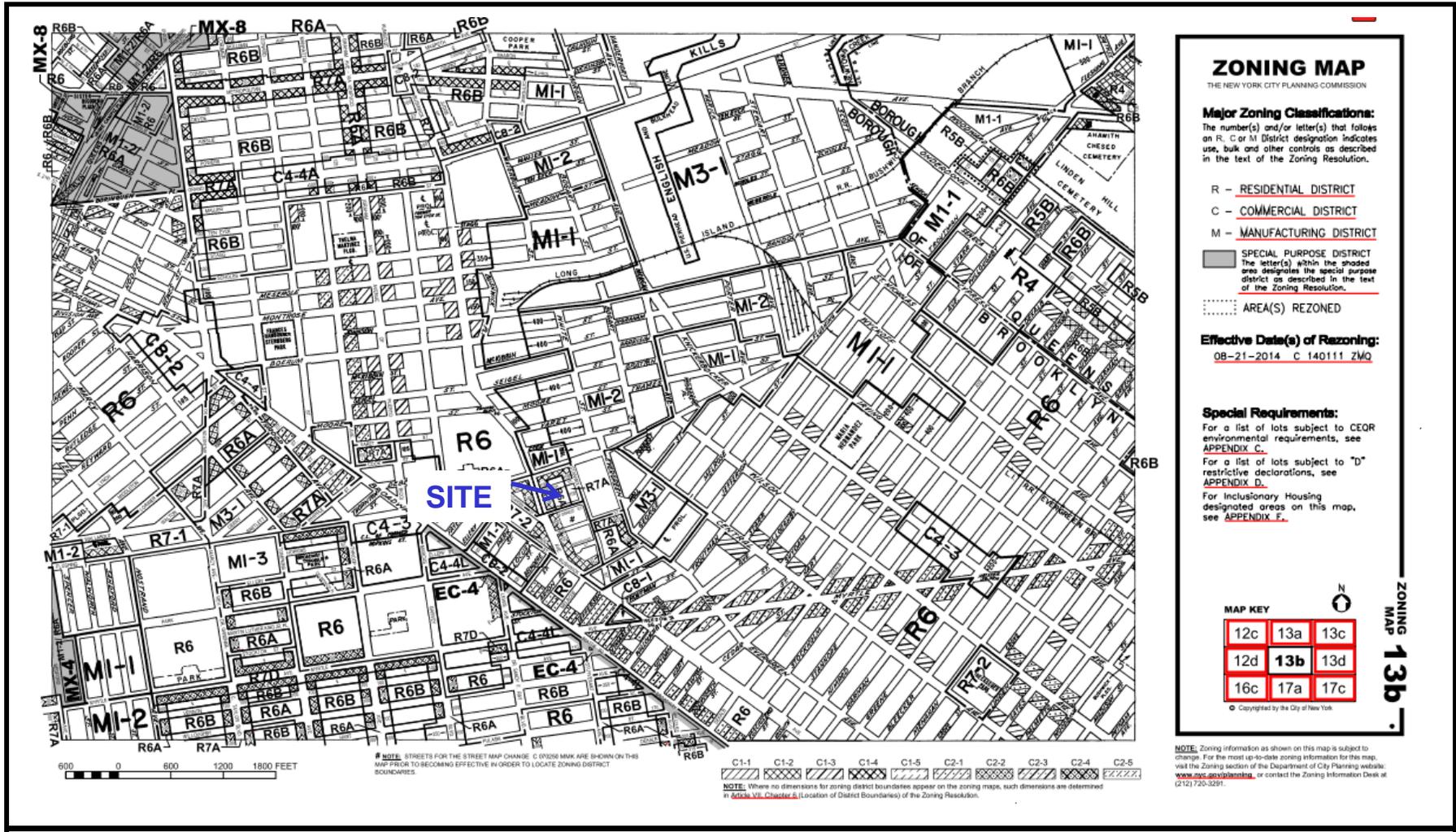


**SITE NAME:** 501 Bushwick Avenue  
**STREET ADDRESS:** 501 Bushwick Avenue  
**MUNICIPALITY, STATE, ZIP:** Brooklyn, NY 11206



**Phone** 631.504.6000  
**Fax** 631.924.2870

**Environmental Business Consultants**



**FIGURE 5A – ZONING MAP**



**SITE NAME:** 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street  
**STREET ADDRESS:** 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street  
**MUNICIPALITY, STATE, ZIP:** Brooklyn, NY 11206  
**Source:** New York City Department of City Planning



**ENVIRONMENTAL BUSINESS CONSULTANTS**

**Phone** 631.504.6000  
**Fax** 631.924.2870

13b

# ZONING MAP

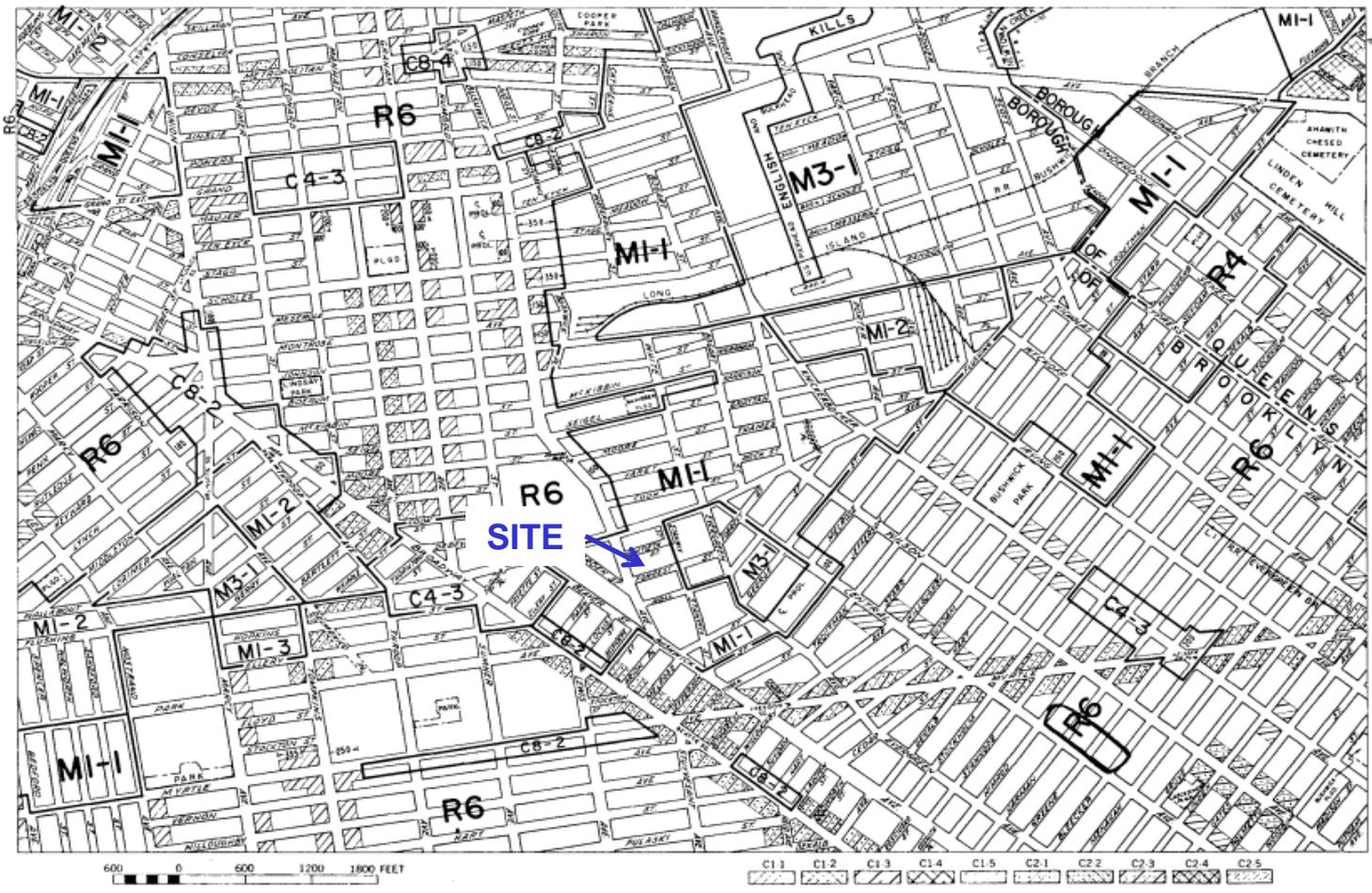
CITY PLANNING COMMISSION  
THE CITY OF NEW YORK



12c	13a	13c
12d	<b>13b</b>	13d
16c	17a	17c

EFFECTIVE: DECEMBER 15, 1961

COPYRIGHTED BY THE CITY OF NEW YORK



### FIGURE 5B – HISTORIC ZONING MAP

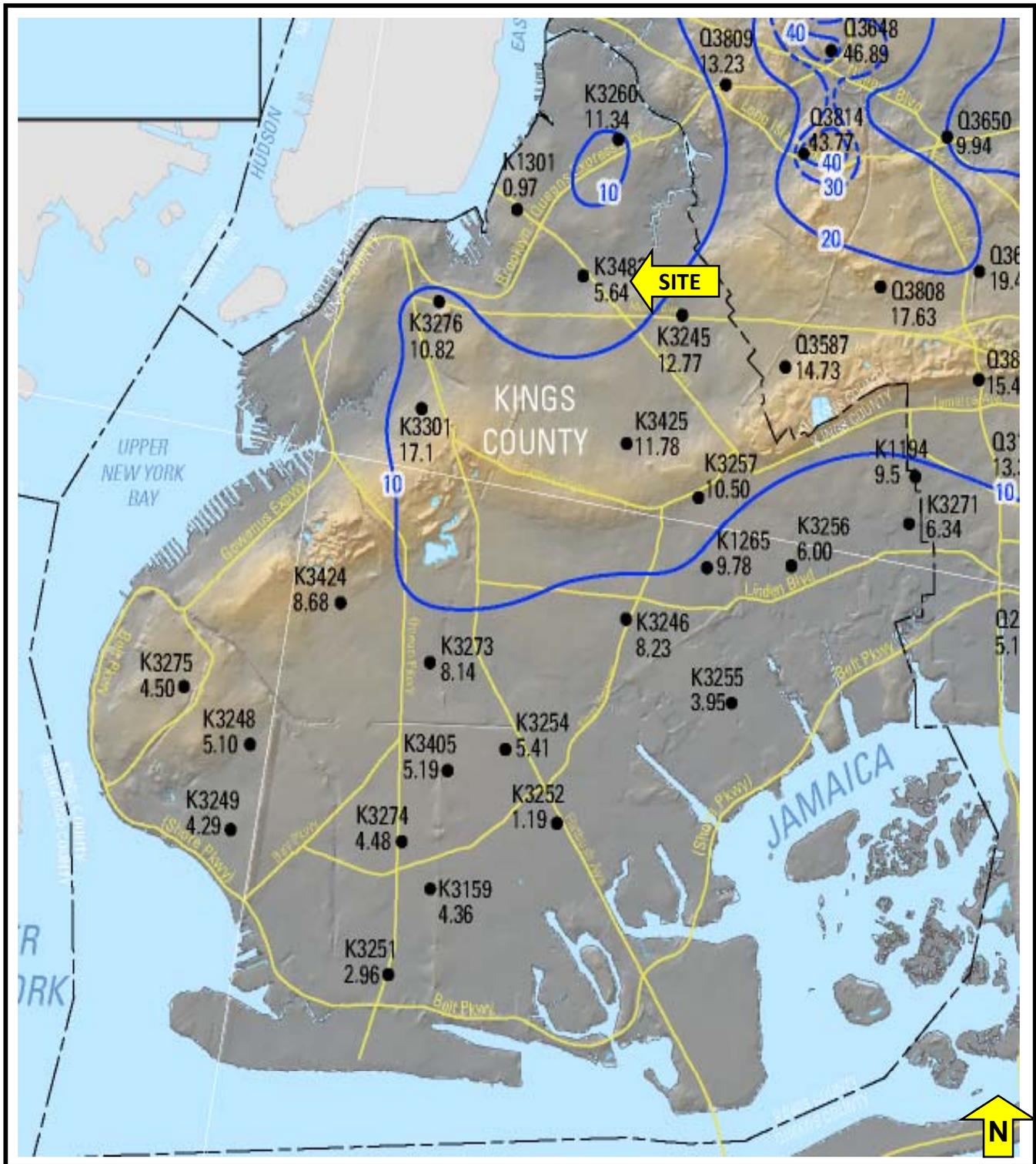


**SITE NAME:** 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street  
**STREET ADDRESS:** 479-501 Bushwick Avenue, 1-37 Forrest Street, 81-97 Stanwix Street & 2-36 Monteith Street  
**MUNICIPALITY, STATE, ZIP:** Brooklyn, NY 11206  
**Source:** New York City Department of City Planning - 1961



*ENVIRONMENTAL BUSINESS CONSULTANTS*

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 Fax 631.924.2870



**FIGURE 6 – WATER TABLE MAP**



Phone 631.504.6000  
 Fax 631.924.2870

*Environmental Business Consultants*

**SITE NAME:** 501 Bushwick Avenue  
**STREET ADDRESS:** 501 Bushwick Avenue  
**MUNICIPALITY, STATE, ZIP:** Brooklyn, NY 11206

Source: USGS - 2009

# APPENDIX A

## SITE PHOTOGRAPHS



Photo 1 - View of the structure located in the northwestern corner of the Site. Storage container is located in the left of the picture.



Photo 2 - View inside of the structure that is located in the northwestern corner of the Site.



Photo 3 – View of the east side of the Site from the west.



Photo 4-View of the southern side of the Site on Forrest Street.



Photo 5 - View of the northeastern side of the Site, tires litter the area and in the left there is an empty hydraulic fluid container.



Photo 6 - View of the hydraulic fluid container that is on the northern side of the Site.



Photo 7 - View of the southeast corner of the Site from the northeast side of the Site. East side is utilized as a fully paved parking lot.



Photo 8 - View of the northeastern side of the Site from the southeast side of the Site.



Photo 9 - View of outside of structure in the northeastern corner of the Site, at the corner of Bushwick Avenue and Montieth Street.



Photo 10 - View of the sidewalk on the northern side of the Site on Montieth Street.



Photo 11 - View of the shed structure located in the southern side of the Site.



Photo 12 - View of the roll up doors located on the western side of the Site, at the corner of Montieth Street and Bushwick Avenue.



Photo 13 - View of mark outs in front of the roll up doors on the western side of the Site, at the corner of Montieth Street and Bushwick Avenue.



Photo 14 - View of the sidewalk along the southern of the Site, on Forrest Street.

## ADJACENT PROPERTY PHOTOS



Photo 1 – View of adjacent property to the west, 37 Garden Street.



Photo 2 – View of adjacent property to the west, 480 Bushwick Avenue.



Photo 3- View of the adjacent site to the north beyond Montieth Street, 467 Bushwick Avenue.



Photo 4- View of the adjacent site to the north beyond Montieth Street, 19-27 Montieth Street.



Photo 5- View of adjacent properties to the north beyond Montieth Street, 31-27 Montieth Street.



Photo 6- View of adjacent properties to the south beyond Forrest Street, 10-36 Forrest Street.

# **APPENDIX B**

## **LOCAL AGENCY INFORMATION**

**1:5000 FIRM and Flood Insurance Rate Map (FIRM) of the City of New York**  
 The 1:5000 FIRM and Flood Insurance Rate Map (FIRM) of the City of New York is a map of the City of New York, New York, showing the 1:5000 Flood Insurance Rate Map (FIRM) and the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The 1:5000 FIRM and Flood Insurance Rate Map (FIRM) of the City of New York is a map of the City of New York, New York, showing the 1:5000 Flood Insurance Rate Map (FIRM) and the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York.

**General Base Flood Elevation (GBFE) Data**  
 The GBFE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The GBFE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The GBFE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York.

**Special Flood Hazard Elevation (SFHE) Data**  
 The SFHE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The SFHE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The SFHE data is based on the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York.

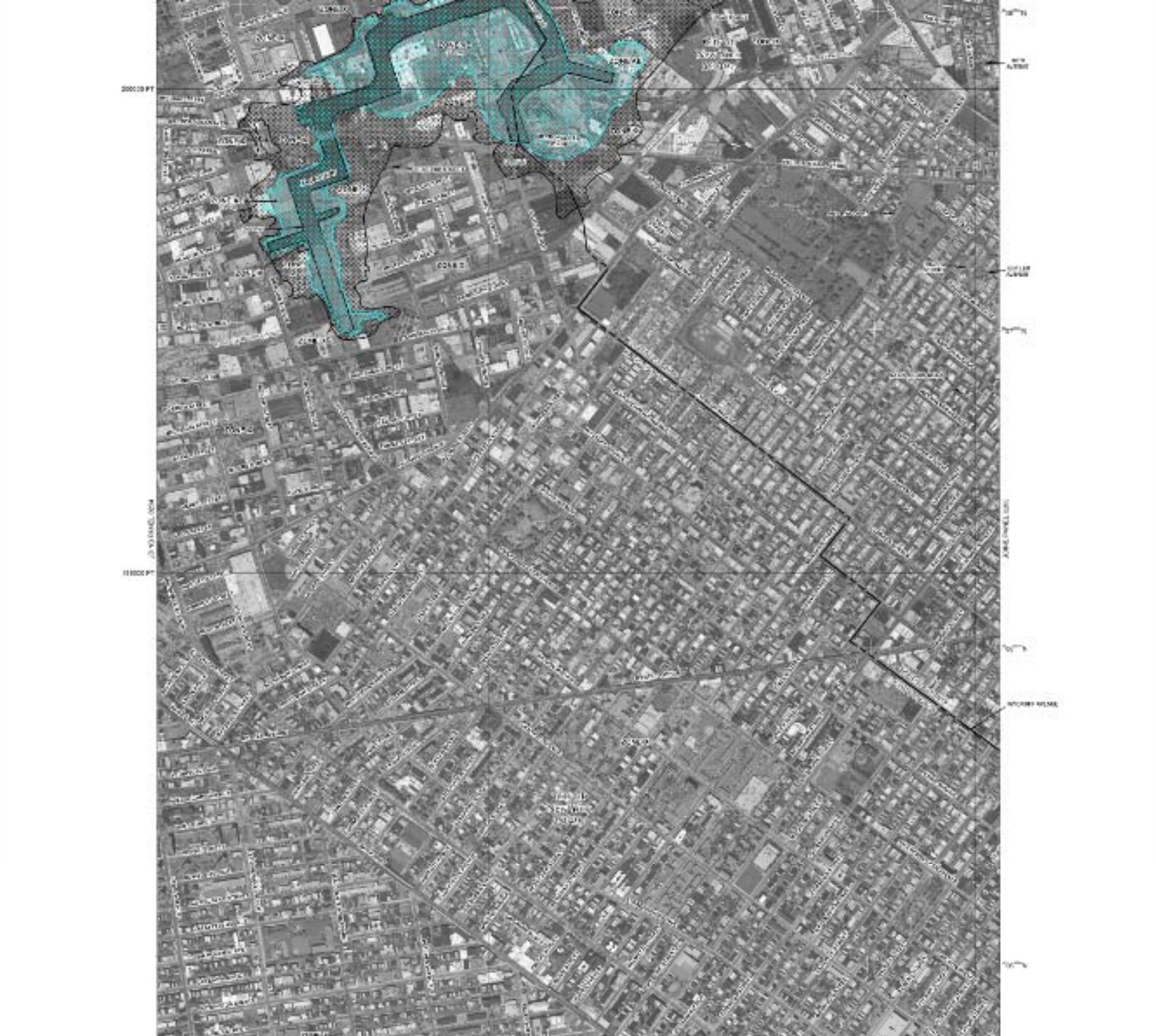
**Other Information**  
 The 1:5000 FIRM and Flood Insurance Rate Map (FIRM) of the City of New York, New York, is a map of the City of New York, New York, showing the 1:5000 Flood Insurance Rate Map (FIRM) and the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York. The 1:5000 FIRM and Flood Insurance Rate Map (FIRM) of the City of New York, New York, is a map of the City of New York, New York, showing the 1:5000 Flood Insurance Rate Map (FIRM) and the 1:5000 Flood Insurance Rate Map (FIRM) of the City of New York, New York.

**Legend**

- 1:5000 FIRM** (Solid line)
- 1:5000 Flood Insurance Rate Map (FIRM)** (Dashed line)
- Special Flood Hazard Elevation (SFHE) Data** (Hatched area)
- General Base Flood Elevation (GBFE) Data** (Dotted area)
- Other Information** (Various symbols)

**Scale**  
 1" = 500'

**North Arrow**



**Legend**

- 1:5000 FIRM** (Solid line)
- 1:5000 Flood Insurance Rate Map (FIRM)** (Dashed line)
- Special Flood Hazard Elevation (SFHE) Data** (Hatched area)
- General Base Flood Elevation (GBFE) Data** (Dotted area)
- Other Information** (Various symbols)

**Scale**  
 1" = 500'

**North Arrow**

**Panel 288 of 457**

**Map Scale: 1" = 500'**

**Map Date: 11/11/11**

**Map Title: FIRM and Flood Insurance Rate Map (FIRM) of the City of New York, New York**

**FIRM**  
**FLOOD INSURANCE RATE MAP**

**CITY OF NEW YORK, NEW YORK**  
 DEPT. OF ENVIRONMENTAL CONSERVATION  
 OFFICE OF FLOOD INSURANCE RATES

**PANEL 288 OF 457**

**Map Scale: 1" = 500'**

**Map Date: 11/11/11**

**Map Title: FIRM and Flood Insurance Rate Map (FIRM) of the City of New York, New York**



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NYC Department of Buildings

**Property Profile Overview**

15 FORREST STREET  
FORREST STREET 15 - 15

BROOKLYN 11206

BIN# 3815263

Tax Block : 3141

Tax Lot : 36

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	<a href="#">3838612</a>		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	1	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	1		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


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NYC Department of Buildings

### Property Profile Overview

36 MONTIETH STREET  
MONTIETH STREET 36 - 54

BROOKLYN 11206

BIN# 3821938

Tax Block : 3141

Tax Lot : 23

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)
[View Zoning Documents](#)
[View Challenge Results](#)
[Pre - BIS PA](#)
[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks: (ALSO WAS BLOCK 03140 LOTS 00001)

Landmark Status:

Special Status: N/A

Local Law: NO

Loft Law: NO

SRO Restricted: NO

TA Restricted: NO

UB Restricted: NO

Environmental Restrictions: HAZMAT/NOISE/AIR Grandfathered Sign: NO

Legal Adult Use: NO City Owned: NO

Additional BINs for Building: NONE

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	2	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	31		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**34 MONTIETH STREET**  
MONTIETH STREET 34 - 34

**BROOKLYN 11206**

**BIN# 3821936**

**Tax Block : 3141**

**Tax Lot : 22**

**Community Board : 304**

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

**DOB Special Place Name:**

**DOB Building Remarks:**

<b>Landmark Status:</b>		<b>Special Status:</b>	N/A
<b>Local Law:</b>	NO	<b>Loft Law:</b>	NO
<b>SRO Restricted:</b>	NO	<b>TA Restricted:</b>	NO
<b>UB Restricted:</b>	NO		
<b>Environmental Restrictions:</b>	HAZMAT/NOISE/AIR	<b>Grandfathered Sign:</b>	NO
<b>Legal Adult Use:</b>	NO	<b>City Owned:</b>	NO
<b>Additional BINs for Building:</b>	NONE		

**Special District:** UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	2	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<b>Jobs/Filings</b>	0		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	8		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



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NYC Department of Buildings

**Property Profile Overview**

32 MONTIETH STREET  
MONTIETH STREET 32 - 32

BROOKLYN 11206

BIN# 3821935

Tax Block : 3141

Tax Lot : 21

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
Violations-DOB	0	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	8		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

20 MONTIETH STREET  
MONTIETH STREET 20 - 24

BROOKLYN 11206

BIN# 3821929

Tax Block : 3141

Tax Lot : 15

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
Violations-DOB	0	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	39		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

18 MONTIETH STREET  
MONTIETH STREET 18 - 18

BROOKLYN 11206

BIN# 3821927

Tax Block : 3141

Tax Lot : 14

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	3	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	6		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**14 MONTIETH STREET**  
MONTIETH STREET 14 - 16

**BROOKLYN 11206**

**BIN# 3821925**

**Tax Block : 3141**

**Tax Lot : 12**

**Community Board : 304**

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[Pre - BIS PA](#)

[View Certificates of Occupancy](#)

**DOB Special Place Name:**

**DOB Building Remarks:**

**Landmark Status:**

**Special Status:** N/A

**Local Law:** NO

**Loft Law:** NO

**SRO Restricted:** NO

**TA Restricted:** NO

**UB Restricted:** NO

**Environmental Restrictions:** HAZMAT/NOISE/AIR

**Grandfathered Sign:** NO

**Legal Adult Use:** NO

**City Owned:** NO

**Additional BINs for Building:** NONE

**Special District:** UNKNOWN

**This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)**

**Department of Finance Building Classification:** G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	1	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<b>Jobs/Filings</b>	0		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	21		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

12 MONTIETH STREET  
MONTIETH STREET 12 - 12

BROOKLYN 11206

BIN# 3821923

Tax Block : 3141

Tax Lot : 11

Community Board : 304

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [Pre - BIS PA](#) [View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Environmental Restrictions:	HAZMAT/NOISE/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
Complaints	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	3	0	<a href="#">Electrical Applications</a>
Violations-ECB (DOB)	0	0	<a href="#">Permits In-Process / Issued</a>
Jobs/Filings	0		<a href="#">Illuminated Signs Annual Permits</a>
ARA / LAA Jobs	0		<a href="#">Plumbing Inspections</a>
Total Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	27		<a href="#">Facades</a>
OR Enter Action Type:			<a href="#">Marquee Annual Permits</a>
OR Select from List: Select...			<a href="#">Boiler Records</a>
AND <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**10 MONTIETH STREET**  
MONTIETH STREET 10 - 10

**BROOKLYN 11206**

**BIN# 3821921**

**Tax Block : 3141**

**Tax Lot : 10**

**Community Board : 304**

[View DCP Addresses...](#) [Browse Block](#)

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**DOB Special Place Name:**

**DOB Building Remarks:**

<b>Landmark Status:</b>		<b>Special Status:</b>	N/A
<b>Local Law:</b>	NO	<b>Loft Law:</b>	NO
<b>SRO Restricted:</b>	NO	<b>TA Restricted:</b>	NO
<b>UB Restricted:</b>	NO		
<b>Environmental Restrictions:</b>	HAZMAT/NOISE/AIR	<b>Grandfathered Sign:</b>	NO
<b>Legal Adult Use:</b>	NO	<b>City Owned:</b>	NO
<b>Additional BINs for Building:</b>	NONE		

**Special District:** UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** G7-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	1	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<a href="#">Jobs/Filings</a>	3		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	3		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	15		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

### Property Profile Overview

479 BUSHWICK AVENUE

BUSHWICK AVENUE 479 - 479

MONTIETH STREET 2 - 8

BROOKLYN 11206

Health Area : 1710

Census Tract : 391

Community Board : 304

Buildings on Lot : 1

BIN# 3071839

Tax Block : 3141

Tax Lot : 8

Condo : NO

Vacant : NO

[View DCP Addresses...](#)
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[View Certificates of Occupancy](#)
**Cross Street(s):** MONTIETH STREET, FORREST STREET

**DOB Special Place Name:**
**DOB Building Remarks:**
**Landmark Status:**
**Special Status:** N/A

**Local Law:** NO

**Loft Law:** NO

**SRO Restricted:** NO

**TA Restricted:** NO

**UB Restricted:** NO

**Environmental Restrictions:** HAZMAT/NOISE/AIR

**Grandfathered Sign:** NO

**Legal Adult Use:** NO

**City Owned:** NO

**Additional BINs for Building:** NONE

**Special District:** UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** F9-FACTORY/INDUSTRIAL

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
<a href="#">Complaints</a>	2	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	0	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-ECB (DOB)</a>	2	2	<a href="#">Permits In-Process / Issued</a>
<a href="#">Jobs/Filings</a>	1		<a href="#">Illuminated Signs Annual Permits</a>
<a href="#">ARA / LAA Jobs</a>	0		<a href="#">Plumbing Inspections</a>
<a href="#">Total Jobs</a>	1		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	13		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**483 BUSHWICK AVENUE**  
BUSHWICK AVENUE 483 - 483

**BROOKLYN 11206**

**BIN# 3807881**

**Tax Block : 3141**

**Tax Lot : 7**

**Community Board : 304**

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[Pre - BIS PA](#)

[View Certificates of Occupancy](#)

**DOB Special Place Name:**

**DOB Building Remarks:**

**Landmark Status:**

**Special Status:** N/A

**Local Law:** NO

**Loft Law:** NO

**SRO Restricted:** NO

**TA Restricted:** NO

**UB Restricted:** NO

**Environmental Restrictions:** HAZMAT/NOISE/AIR

**Grandfathered Sign:** NO

**Legal Adult Use:** NO

**City Owned:** NO

**Additional BINs for Building:** NONE

**Special District:** UNKNOWN

**This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)**

**Department of Finance Building Classification:** V1-VACANT LAND

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<b>Violations-DOB</b>	0	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<b>Jobs/Filings</b>	0		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<b>Actions</b>	10		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**485 BUSHWICK AVENUE**

BUSHWICK AVENUE 485 - 485

**BROOKLYN 11206**

**BIN# 3807882**

**Tax Block : 3141**

**Tax Lot : 6**

**Community Board : 304**

[View DCP Addresses...](#) [Browse Block](#)

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[Pre - BIS PA](#)

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**DOB Special Place Name:**

**DOB Building Remarks:**

**Landmark Status:**

**Special Status:** N/A

**Local Law:** NO

**Loft Law:** NO

**SRO Restricted:** NO

**TA Restricted:** NO

**UB Restricted:** NO

**Environmental Restrictions:** HAZMAT/NOISE/AIR

**Grandfathered Sign:** NO

**Legal Adult Use:** NO

**City Owned:** NO

**Additional BINs for Building:** NONE

**Special District:** UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** Z9-MISCELLANEOUS

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<b>Violations-DOB</b>	0	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<a href="#">Jobs/Filings</a>	4		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	4		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	7		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings

**Property Profile Overview**

**487 BUSHWICK AVENUE**

BUSHWICK AVENUE 487 - 487

**BROOKLYN 11206**

**BIN# 3807883**

**Tax Block : 3141**

**Tax Lot : 5**

**Community Board : 304**

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**DOB Special Place Name:**

**DOB Building Remarks:**

<b>Landmark Status:</b>		<b>Special Status:</b>	N/A
<b>Local Law:</b>	NO	<b>Loft Law:</b>	NO
<b>SRO Restricted:</b>	NO	<b>TA Restricted:</b>	NO
<b>UB Restricted:</b>	NO		
<b>Environmental Restrictions:</b>	HAZMAT/NOISE/AIR	<b>Grandfathered Sign:</b>	NO
<b>Legal Adult Use:</b>	NO	<b>City Owned:</b>	NO
<b>Additional BINs for Building:</b>	NONE		

**Special District:** UNKNOWN

**This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)**

**Department of Finance Building Classification:** V1-VACANT LAND

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	<b>Total</b>	<b>Open</b>	
<b>Complaints</b>	0	0	<a href="#">Elevator Records</a>
<b>Violations-DOB</b>	0	0	<a href="#">Electrical Applications</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Permits In-Process / Issued</a>
<b>Jobs/Filings</b>	0		<a href="#">Illuminated Signs Annual Permits</a>
<b>ARA / LAA Jobs</b>	0		<a href="#">Plumbing Inspections</a>
<b>Total Jobs</b>	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<b>Actions</b>	4		<a href="#">Facades</a>
<b>OR Enter Action Type:</b>			<a href="#">Marquee Annual Permits</a>
<b>OR Select from List:</b> Select...			<a href="#">Boiler Records</a>
<b>AND</b> <input type="button" value="Show Actions"/>			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

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NYC Department of Buildings  
**Property Profile Overview**

**495 BUSHWICK AVENUE**

**BROOKLYN 11206**

**BIN# 3807886**

BUSHWICK AVENUE 495 - 495

**Tax Block : 3141**

**Tax Lot : 1**

**Community Board : 304**

[View DCP Addresses...](#)

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[Pre - BIS PA](#)

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**DOB Special Place Name:**

**DOB Building Remarks:**

**Landmark Status:**

**Special Status:** N/A

**Local Law:** NO

**Loft Law:** NO

**SRO Restricted:** NO

**TA Restricted:** NO

**UB Restricted:** NO

**Environmental Restrictions:** HAZMAT/NOISE/AIR

**Grandfathered Sign:** NO

**Legal Adult Use:** NO

**City Owned:** NO

**Additional BINs for Building:** NONE

**Special District:** UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** G7-GARAGE/GAS STAT'N

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	<b>Total</b>	<b>Open</b>	<a href="#">Elevator Records</a>
<b>Complaints</b>	0	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-DOB</a>	4	0	<a href="#">Permits In-Process / Issued</a>
<b>Violations-ECB (DOB)</b>	0	0	<a href="#">Illuminated Signs Annual Permits</a>

Jobs/Filings 0  
ARA / LAA Jobs 0  
Total Jobs 0  
[Actions](#) 41

OR Enter Action Type:

OR Select from List:

AND

- [Plumbing Inspections](#)
- [Open Plumbing Jobs / Work Types](#)
- [Facades](#)
- [Marquee Annual Permits](#)
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New York City Department of Finance  
Office of the City Register

HELP

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**Current Search Criteria:**

**Borough:** BROOKLYN / KINGS  
**Block:** 3140  
**Lot:** 50    **Unit:** N/A  
**Date Range:**  
**Document Class:** All Document Classes

# Search Results By Parcel Identifier

Records 1 - 99 << [previous](#) [next](#) >>

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	50	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	50	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	50	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	50	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	50	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	50	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235793	50	ENTIRE LOT	6/27/2014	7/15/2014 12:55:50 PM	DEED	6	RP ACQUISITIONS LLC	FLUSHING LOTS W LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	50	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235781	50	ENTIRE LOT	6/27/2014	7/15/2014 12:55:38 PM	DEED	6	930 FLUSHING LLC	FLUSHING LOTS W LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000159815	50	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352940	50	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.				0

DET	IMG	2012000352939	50	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
DET	IMG	2012000352938	50	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
DET	IMG	2012000352937	50	ENTIRE LOT	8/15/2012	9/7/2012 10:41:53 AM	AGREEMENT	14	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITES SERIES 2005-1, LTD				25,000,000
DET	IMG	2010000287094	50	ENTIRE LOT	2/28/2010	8/25/2010 9:41:06 AM	SUNDRY MISCELLANEOUS	12	L & J RESTAURANT MANUFACTURING IMPORT NY, INC.	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LT				0
DET	IMG	2010000281421	50	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
DET	IMG	2007000631833	50	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
DET	IMG	2007000598863	50	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	✓		0
DET	IMG	2005000491235	50	ENTIRE LOT	7/29/2005	9/1/2005 10:11:27 AM	UCC3 TERMINATION	5	MERJA ASSOCIATES LLC	ARBOR COMMERCIAL MORTGAGE LLC	✓			0
DET	IMG	2005000466647	50	ENTIRE LOT	7/29/2005	8/19/2005 9:56:17 AM	DEED	5	MERJA ASSOCIATES LLC	930 FLUSHING LLC	✓			0
DET	IMG	2005000466571	50	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC				0
DET	IMG	2005000466571	50	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC				0
DET	IMG	2005000466568	50	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC				0
DET	IMG	2005000466568	50	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC				0
DET	IMG	2005000466567	50	ENTIRE LOT	7/26/2005	8/19/2005 9:20:11 AM	AGREEMENT	31	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC				25,000,000
DET	IMG	2005000466566	50	ENTIRE LOT	7/29/2005	8/19/2005 9:20:10 AM	MORTGAGE	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC				13,951,478
DET	IMG	2005000466564	50	ENTIRE LOT	7/28/2005	8/19/2005 9:20:08 AM	ASSIGNMENT, MORTGAGE	10	ARBOR REALTY SR, INC.	ARBOR REALTY FUNDING, LLC				0
DET	IMG	2005000466563	50	ENTIRE LOT	7/27/2005	8/19/2005 9:20:07 AM	ASSIGNMENT, MORTGAGE	8	WELLS FARGO BANK MINNESOTA, NATIONAL ASSOCIATION	ARBOR REALTY FUNDING, LLC				0
		2005000466562	50	ENTIRE	7/27/2005	8/19/2005	TERMINATION	7	WELLS FARGO BANK	HERJA ASSOCIATES				0

DET	IMG		LOT	9:20:06 AM	OF ASSIGN OF L&R	MINNESOTA, NATIONAL ASSOCIATION	LLC		
DET	IMG	2005000192698	50 ENTIRE LOT	1/19/2005 4/4/2005 4:28:31 PM	ASSIGNMENT, MORTGAGE	8 ARBOR REALTY LIMITED PARTNERSHIP	ARBOR REALTY SR, INC.		0
DET	IMG	2005000192693	50 ENTIRE LOT	1/19/2005 4/4/2005 4:28:07 PM	ASSIGNMENT, MORTGAGE	8 ARBOR COMMERCIAL MORTGAGE LLC	ARBOR REALTY LIMITED PARTNERSHIP		0
DET	IMG	2004000296699	50 ENTIRE LOT	5/12/2004 10:54:03 AM	UCC3 CONTINUATION	5 HERJA ASSOCIATES LL, A NEW YORK LIMITED LIABILITY	GREENWICH CAPITAL FINANCIAL PRODUCTS, INC.		0
DET	IMG	2004000207363	50 ENTIRE LOT	6/19/2003 4/7/2004 8:43:57 AM	MORTGAGE	14 MERJA ASSOCIATES LLC	ARBOR COMMERCIAL MORTGAGE LLC	✓	500,000
DET	IMG	2004000207362	50 ENTIRE LOT	6/18/2003 4/7/2004 8:43:56 AM	ASSIGNMENT, MORTGAGE	4 930 FLUSHING HOLDING, LLC	ARBOR NATIONAL COMMERCIAL MORTGAGE, LLC		0
DET	IMG	2004000184883	50 ENTIRE LOT	11/4/2003 3/26/2004 4:08:24 PM	DISCHARGE OF TAX LIEN	4 THE BANK OF NEW YORK			0
DET	IMG	2004000084465	50 ENTIRE LOT	6/19/2003 2/12/2004 11:59:35 AM	AGREEMENT	58 MERJA ASSOCIATES LLC	ARBOR COMMERCIAL MORTGAGE LLC	✓	3,500,000
DET	IMG	2003000354556	50 ENTIRE LOT	6/11/2003 9/13/2003 12:27:49 PM	ASSIGNMENT, MORTGAGE	4 CONGREGATION KAHAL MINCHAS CHINUCH, INC.	930 FLUSHING HOLDING, LLC		0
DET	IMG	2003000209544	50 ENTIRE LOT	7/3/2003 6:55:04 AM	INITIAL UCC1	6 MERJA ASSOCIATES LLC	ARBOR COMMERCIAL MORTGAGE LLC	✓	0
DET	IMG	2003000206692	50 ENTIRE LOT	6/16/2003 7/1/2003 3:49:57 PM	DEED, OTHER	5 HERJA ASSOCIATES LLC	MERJA ASSOCIATES LLC	✓	12,550,000
DET	IMG	2003000120333	50 ENTIRE LOT	8/13/2002 5/7/2003 1:37:18 PM	MORTGAGE	7 HERJA ASSOCIATES LLC	CONGREGATION KAHAL MINCHAS CHINUCH, INC.	✓	5,000,000
DET	IMG	5758/943	50 ENTIRE LOT	8/16/2002	TAX LIEN SALE CERTIFICATE	33 CITY OF NEW YORK	BANK OF NEW YORK		0
DET	IMG	5681/2430	50 ENTIRE LOT	6/20/2002	TAX LIEN SALE CERTIFICATE	34 CITY OF NEW YORK	BANK OF NEW YORK		0
DET	IMG	4644/422	50 ENTIRE LOT	11/4/1999	ASSIGNMENT, MORTGAGE	13 HERJA ASSOCIATES LLC	GREENWICH CAPITAL FINANCIAL PRODUCTS INC		0
DET	IMG	4644/364	50 ENTIRE LOT	11/4/1999	AGREEMENT	58 HERJA ASSOCIATES LLC	GREENWICH CAPITAL FINANCIAL PRODUCTS INC		0
DET	IMG	4644/355	50 ENTIRE LOT	11/4/1999	ASSIGNMENT, MORTGAGE	4 FLUSH-BUSH DEVELOPMENT CORP	GREENWICH CAPITAL FINANCIAL PRODUCTS INC		0
DET	IMG	4644/349	50 ENTIRE LOT	11/4/1999	MORTGAGE	5 HERJA ASSOCIATES LLC	GREENWICH CAPITAL FINANCIAL PRODUCTS INC		812,500
DET	IMG	4644/345	50 ENTIRE LOT	8/9/1999 11/4/1999	DEED	4 T J ASSOCIATES LLC	HERJA ASSOCIATES LLC		0
DET	IMG	4153/1647	50 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2 NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
DET	IMG	4153/1641	50 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6 E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORAITON NYC	✓	0

DET	IMG	4153/1635	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
DET	IMG	4153/1633	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
DET	IMG	4153/1630	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	50	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	50	ENTIRE LOT	3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	50	ENTIRE LOT	3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	50	ENTIRE LOT	1/27/1998 3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	50	ENTIRE LOT	1/27/1998 3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
DET	IMG	4152/1804	50	ENTIRE LOT	1/27/1998 3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
DET	IMG	2382/1785	50	ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
DET	IMG	2382/1774	50	ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
DET	IMG	2382/1325	50	ENTIRE LOT	5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1308	50	ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	50	ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	50	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	50	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	50	ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000

DET	IMG	2229/191	50	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y			1,000,000	
DET	IMG	2229/168	50	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓		4,500,000	
DET	IMG	2229/161	50	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓		4,500,000	
DET	IMG	2229/138	50	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓		0	
DET	IMG	2229/86	50	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR			0	
DET	IMG	2229/69	50	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP			0	
DET	IMG	2143/1824	50	ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓		0	
DET	IMG	2143/1808	50	ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓		0	
DET	IMG	2143/1763	50	ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓		0	
DET	IMG	2137/391	50	ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR			3,000,000	
DET	IMG	2137/366	50	ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY			1,000,000	
DET	IMG	2137/356	50	ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP			1,000,000	
DET	IMG	2137/281	50	ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY			3,000,000	
DET	IMG	2137/237	50	ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK			529,650	
DET	IMG	2134/28	50	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN			0	
DET	IMG	2005/2225	50	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓		1,000,000	
DET	IMG	2005/2151	50	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		3,000,000	
DET	IMG	2005/2139	50	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		0	
DET	IMG	1700/333	50	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPA AGENCY	UNITED STATES TRST CO			4,500,000	
DET	IMG	1700/305	50	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY			4,500,000	
DET	IMG	1697/880	50	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR			0	
DET	IMG	1697/800	50	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO			0	
DET	IMG	1697/789	50	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT			0	
DET	IMG	1697/606	50	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO			0	
DET	IMG	1697/534	50	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP			0	
DET	IMG	1697/528	50	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK				0	
DET	IMG	1079/50	50	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0

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<a href="#">DET</a>	<a href="#">IMG</a>	2014000337411	36	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337410	36	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337409	36	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337408	36	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337407	36	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240480	36	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240479	36	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240478	36	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240477	36	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240471	36	ENTIRE	6/30/2014	7/18/2014	PARTIAL	13	ARBOR REALTY	930 FLUSHING LLC				0

			LOT	11:46:12 AM	RELEASE OF MORTGAGE		SR, INC.				
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240470	36 ENTIRE LOT	6/30/2014 7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	36 ENTIRE LOT	6/27/2014 7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	36 ENTIRE LOT	6/27/2014 7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC			11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	36 ENTIRE LOT	6/27/2014 7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163411	36 ENTIRE LOT	4/3/2014 5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163410	36 ENTIRE LOT	3/27/2014 5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163409	36 ENTIRE LOT	4/10/2014 5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000159815	36 ENTIRE LOT	3/5/2014 5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352940	36 ENTIRE LOT	8/15/2012 9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.			0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352939	36 ENTIRE LOT	8/15/2012 9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352938	36 ENTIRE LOT	8/15/2012 9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2010000281421	36 PARTIAL LOT	8/19/2005 8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000631833	36 ENTIRE LOT	1/11/2006 12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000605417	36 ENTIRE LOT	1/11/2006 12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000598863	36 PARTIAL LOT	12/4/2007 12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466648	36 ENTIRE LOT	7/29/2005 8/19/2005 9:56:23	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC			0

DET	IMG	2005000466571	36	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466569	36	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466568	36	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC		0
DET	IMG	2003000206666	36	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
DET	IMG	4644/359	36	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
DET	IMG	4153/1641	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	✓	0
DET	IMG	4153/1635	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
DET	IMG	4153/1630	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYC INDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	36	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	36	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	36	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	36	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT		0

<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	36	ENTIRE LOT	1/27/1998 3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	CORPORATION MADEMOISELLE KNITWEAR, INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1804	36	ENTIRE LOT	1/27/1998 3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1785	36	ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1774	36	ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1325	36	ENTIRE LOT	5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1308	36	ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1292	36	ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1281	36	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2229/218	36	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2229/205	36	ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2229/191	36	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2229/168	36	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
<a href="#">DET</a>	<a href="#">IMG</a>	2229/161	36	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
<a href="#">DET</a>	<a href="#">IMG</a>	2229/138	36	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2229/86	36	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
<a href="#">DET</a>	<a href="#">IMG</a>	2229/69	36	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
<a href="#">DET</a>	<a href="#">IMG</a>	1396/932	36	ENTIRE LOT	5/17/1983 5/17/1983	DEED	98	COMMISSIONER OF FINANCE	NEW YORK CITY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	1146/700	36	ENTIRE LOT	3/10/1980 3/10/1980	DEED	2	STAHL SOAPCORP	APPLE INDUSTRIAL DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	1132/923	36	ENTIRE LOT	1/9/1980 1/9/1980	ASSIGNMENT, MORTGAGE	2	STAHL KENNETH LEE	STAHL ALICE S	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	463/949	36	ENTIRE LOT	2/4/1971 2/4/1971	MORTGAGE	4	STAHL SOAP CORP	STAHL ILBERT		0
<a href="#">DET</a>	<a href="#">IMG</a>	461/1795	36	ENTIRE LOT	1/28/1971 1/28/1971	EASEMENT	2	STAHL SOAP CORPN	CITY OF NY		0
<a href="#">DET</a>	<a href="#">IMG</a>	334/1430	36	ENTIRE LOT	5/19/1969 5/19/1969	DEED	2	STAHL ILBERT	STAHL SOAP CORP		0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	23	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	23	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	23	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	23	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	23	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	23	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	23	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	23	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235779	23	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0

DET	IMG	2014000163411	23	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 PM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.		0	
DET	IMG	2014000163410	23	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0	
DET	IMG	2014000163409	23	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		0	
DET	IMG	2014000159815	23	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC	0	
DET	IMG	2012000352940	23	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.	0	
DET	IMG	2012000352939	23	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901	
DET	IMG	2012000352938	23	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901	
DET	IMG	2010000281421	23	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	0	
DET	IMG	2007000631833	23	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD	0	
DET	IMG	2007000605417	23	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD	0	
DET	IMG	2007000598863	23	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466648	23	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC	0	
DET	IMG	2005000466571	23	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0	
DET	IMG	2005000466569	23	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0	
DET	IMG	2005000466568	23	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC	0	
DET	IMG	2003000206666	23	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC		225,000
DET	IMG		23	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC	0	
			23	ENTIRE		3/25/1998	SATISFACTION	2	NYC INDUSTRIAL	UNITED STATES	0	

DET	IMG	4153/1647		LOT		OF MORTGAGE		DEVELOPMENT AGENCY	TRUSTCOMPANY OF NEW YORK			
DET	IMG	4153/1641	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORAITON NYC	✓	0	
DET	IMG	4153/1635	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0	
DET	IMG	4153/1633	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0	
DET	IMG	4153/1630	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0	
DET	IMG	4153/1624	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0	
DET	IMG	4153/1621	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0	
DET	IMG	4153/1618	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0	
DET	IMG	4153/1612	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0	
DET	IMG	4153/1606	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0	
DET	IMG	4153/1600	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0	
DET	IMG	4153/1594	23	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0	
DET	IMG	4152/1885	23	ENTIRE LOT	3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0	
DET	IMG	4152/1835	23	ENTIRE LOT	3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0	
DET	IMG	4152/1818	23	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	23	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
DET	IMG		23	ENTIRE	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE	T.J.		0



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<a href="#">DET</a>	<a href="#">IMG</a>	2014000240480	22	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240479	22	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240478	22	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240477	22	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240471	22	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240470	22	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	22	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	22	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	22	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0

DET	IMG	2014000163411	22	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.		0
DET	IMG	2014000163410	22	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0
DET	IMG	2014000163409	22	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC	✓	0
DET	IMG	2014000159815	22	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC	0
DET	IMG	2012000352940	22	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.	0
DET	IMG	2012000352939	22	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901
DET	IMG	2012000352938	22	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901
DET	IMG	2010000281421	22	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	0
DET	IMG	2007000631833	22	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD	0
DET	IMG	2007000598863	22	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓ ✓ 0
DET	IMG	2005000466648	22	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC	0
DET	IMG	2005000466571	22	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0
DET	IMG	2005000466570	22	ENTIRE LOT	7/29/2005	8/19/2005 9:20:14 AM	AGREEMENT	19	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0
DET	IMG	2005000466568	22	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC	0
DET	IMG	2003000206666	22	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓ 225,000
DET	IMG	4644/359	22	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC	0
DET	IMG	4153/1647	22	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK	0
			22	ENTIRE		3/25/1998	SATISFACTION	6	E S NEWHOUSE	FINANCIAL	0

DET	IMG	4153/1641		LOT		OF MORTGAGE		REALTYCO		SERVICES CORPORAITON NYC	✓	
DET	IMG	4153/1635	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO		CITY OF NEW YORK	✓	0
DET	IMG	4153/1633	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY		UNITED STATES TRUSTCOMPANY OF NY		0
DET	IMG	4153/1630	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY		MADEMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON		NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY		MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY		MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC		NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC		N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY		FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	22	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY		CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	22	ENTIRE LOT	3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC		FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	22	ENTIRE LOT	3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK		FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	22	ENTIRE LOT	1/27/1998	3/25/1998 DEED	14	CITY OF NEW YORK		NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	22	ENTIRE LOT	1/27/1998	3/25/1998 DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION		MADEMOISELLE KNITWEAR, INC.		0
DET	IMG	4152/1804	22	ENTIRE LOT	1/27/1998	3/25/1998 DEED	8	MADEMOISELLE KNITWEAR, INC.		T.J. ASSOCIATES LLC		0
DET	IMG	2382/1785	22	ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP		MADEMOISELLE KNITWEAR	✓	1,000,000
DET	IMG	2382/1774	22	ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK		MADEMOISELLE KNITWEAR	✓	30,000
DET	IMG	2382/1325	22	ENTIRE LOT	5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN		MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1308	22	ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP		MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	22	ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN		MARINE MIDLAND BANKNA	✓	0

DET	IMG	2382/1281	22	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0		
DET	IMG	2229/218	22	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0		
DET	IMG	2229/191	22	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000		
DET	IMG	2229/168	22	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000		
DET	IMG	2229/161	22	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000		
DET	IMG	2229/138	22	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0		
DET	IMG	2229/86	22	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0		
DET	IMG	2229/69	22	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0		
DET	IMG	2143/1808	22	ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0		
DET	IMG	2143/1763	22	ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0		
DET	IMG	2137/391	22	ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR		3,000,000		
DET	IMG	2134/28	22	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0		
DET	IMG	2005/2225	22	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000		
DET	IMG	2005/2151	22	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000		
DET	IMG	2005/2139	22	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0		
DET	IMG	1700/333	22	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPA GCY	UNITED STATES TRST CO		4,500,000		
DET	IMG	1700/305	22	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000		
DET	IMG	1697/880	22	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0		
DET	IMG	1697/800	22	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO		0		
DET	IMG	1697/789	22	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0		
DET	IMG	1697/606	22	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO		0		
DET	IMG	1697/534	22	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP		0		
DET	IMG	1697/528	22	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK			0		
DET	IMG	1079/50	22	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
DET	IMG	1065/54	22	ENTIRE LOT	4/9/1979	4/9/1979	DEED	17	NATL COUNCIL FOR COMMUNITY DVLPT INC	NYC PUBLIC DVLPT CORP	✓	0	
DET	IMG	1043/873	22	ENTIRE LOT	12/22/1978	12/22/1978	DEED	99	RABIN DAVID JOSEPH	NATIONAL COUNCIL FOR COMMUNITY	✓	0	

DET	IMG	Parcel ID	Lot	Entirety	Effective Date	Termination Date	Document Type	Volume	Grantor	Grantee	Status	Value
		1043/856	22	ENTIRE LOT	12/22/1978	12/22/1978	DEED	17	GFS LIMITED PARTNERSHIP	RABIN DAVID JOSEPH	✓	0
		892/1952	22	ENTIRE LOT	12/28/1976	12/28/1976	DEED	41	GFS REALTY CORP	GFS LIMITED PARTNERSHIP	✓	0
		860/1495	22	ENTIRE LOT	7/22/1976	7/22/1976	DEED	76	RHEINGOLD BREWERIES INC	GFS RLTY CORP		0
		694/1569	22	ENTIRE LOT	3/4/1974	3/4/1974	DEED	13	RHEINGOLD BREWERIES INC (NY)	RHEINGOLD BREWERIES INC NJ	✓	0
		688/823	22	ENTIRE LOT	1/30/1974	1/30/1974	ASSIGNMENT, MORTGAGE	12	EQUITABLE LIFE ASSURANCE SOCIETY OF THE US	FIRST NATIONAL CITY BANK	✓	0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	21	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	21	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	21	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	21	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	21	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	21	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	21	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	21	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235779	21	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC				0

DET	IMG	2014000163411	21	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.		0	
DET	IMG	2014000163410	21	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0	
DET	IMG	2014000163409	21	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC	✓	0	
DET	IMG	2014000159815	21	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC	0	
DET	IMG	2012000352940	21	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.	0	
DET	IMG	2012000352939	21	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901	
DET	IMG	2012000352938	21	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.	471,901	
DET	IMG	2010000281421	21	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	0	
DET	IMG	2007000631833	21	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD	0	
DET	IMG	2007000598863	21	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	0
DET	IMG	2005000466648	21	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC	0	
DET	IMG	2005000466571	21	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0	
DET	IMG	2005000466570	21	ENTIRE LOT	7/29/2005	8/19/2005 9:20:14 AM	AGREEMENT	19	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0	
DET	IMG	2005000466568	21	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC	0	
DET	IMG	2003000206666	21	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
DET	IMG	4644/359	21	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC	0	
DET	IMG	4153/1647	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK	0	
			21	ENTIRE		3/25/1998	SATISFACTION	6	E S NEWHOUSE	FINANCIAL	0	

DET	IMG	4153/1641		LOT		OF MORTGAGE		REALTYCO		SERVICES CORPORAITON NYC	✓	
DET	IMG	4153/1635	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
DET	IMG	4153/1633	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
DET	IMG	4153/1630	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	21	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	21	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	21	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	21	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	21	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
DET	IMG	4152/1804	21	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
DET	IMG	2382/1785	21	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
DET	IMG	2382/1774	21	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
DET	IMG	2382/1325	21	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1308	21	ENTIRE LOT		5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	21	ENTIRE LOT		5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0

DET	IMG	2382/1281	21	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0		
DET	IMG	2229/218	21	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0		
DET	IMG	2229/191	21	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000		
DET	IMG	2229/168	21	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000		
DET	IMG	2229/161	21	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000		
DET	IMG	2229/138	21	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0		
DET	IMG	2229/86	21	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0		
DET	IMG	2229/69	21	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0		
DET	IMG	2143/1808	21	ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0		
DET	IMG	2143/1763	21	ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0		
DET	IMG	2137/391	21	ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR		3,000,000		
DET	IMG	2134/28	21	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0		
DET	IMG	2005/2225	21	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000		
DET	IMG	2005/2151	21	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000		
DET	IMG	2005/2139	21	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0		
DET	IMG	1700/333	21	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPA GCY	UNITED STATES TRST CO		4,500,000		
DET	IMG	1700/305	21	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000		
DET	IMG	1697/880	21	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0		
DET	IMG	1697/800	21	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO		0		
DET	IMG	1697/789	21	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0		
DET	IMG	1697/606	21	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO		0		
DET	IMG	1697/534	21	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP		0		
DET	IMG	1697/528	21	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK			0		
DET	IMG	1079/50	21	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
DET	IMG	1065/54	21	ENTIRE LOT	4/9/1979	4/9/1979	DEED	17	NATL COUNCIL FOR COMMUNITY DVLPT INC	NYC PUBLIC DVLPT CORP	✓	0	
DET	IMG	1043/873	21	ENTIRE LOT	12/22/1978	12/22/1978	DEED	99	RABIN DAVID JOSEPH	NATIONAL COUNCIL FOR COMMUNITY	✓	0	

DET	IMG	Parcel ID	Lot	Entirety	Effective Date	Termination Date	Document Type	Volume	Grantor	Grantee	Status	Value
		1043/856	21	ENTIRE LOT	12/22/1978	12/22/1978	DEED	17	GFS LIMITED PARTNERSHIP	RABIN DAVID JOSEPH	✓	0
		892/1952	21	ENTIRE LOT	12/28/1976	12/28/1976	DEED	41	GFS REALTY CORP	GFS LIMITED PARTNERSHIP	✓	0
		860/1495	21	ENTIRE LOT	7/22/1976	7/22/1976	DEED	76	RHEINGOLD BREWERIES INC	GFS RLTY CORP		0
		694/1569	21	ENTIRE LOT	3/4/1974	3/4/1974	DEED	13	RHEINGOLD BREWERIES INC (NY)	RHEINGOLD BREWERIES INC NJ	✓	0
		688/823	21	ENTIRE LOT	1/30/1974	1/30/1974	ASSIGNMENT, MORTGAGE	12	EQUITABLE LIFE ASSURANCE SOCIETY OF THE US	FIRST NATIONAL CITY BANK	✓	0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240480	20	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240479	20	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240478	20	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240477	20	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240471	20	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240470	20	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	20	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	20	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	20	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163411	20	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.					0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163410	20	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD					0

DET	IMG	2014000163409	20	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC				0
DET	IMG	2014000159815	20	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC			0
DET	IMG	2012000352940	20	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.			0
DET	IMG	2012000352939	20	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2012000352938	20	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2010000281421	20	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD			0
DET	IMG	2007000631833	20	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000605417	20	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000598863	20	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466648	20	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC			0
DET	IMG	2005000466571	20	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466569	20	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466568	20	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC			0
DET	IMG	2003000206666	20	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC			225,000
DET	IMG	4644/359	20	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC			0
DET	IMG	4153/1647	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK			0
DET	IMG	4153/1641	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC			0
DET	IMG	4153/1635	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK			0
DET	IMG	4153/1633	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY			0

DET	IMG	4153/1630	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	20	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	20	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	20	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	20	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	20	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
DET	IMG	4152/1804	20	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
DET	IMG	2382/1785	20	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
DET	IMG	2382/1774	20	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
DET	IMG	2382/1325	20	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1308	20	ENTIRE LOT		5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	20	ENTIRE LOT		5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	20	ENTIRE LOT		5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	20	ENTIRE LOT		6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	20	ENTIRE LOT		6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	20	ENTIRE LOT		6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	20	ENTIRE LOT		6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	20	ENTIRE LOT		6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000

DET	IMG	2229/138	20	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓		0	
DET	IMG	2229/86	20	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR			0	
DET	IMG	2229/69	20	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP			0	
DET	IMG	2143/1824	20	ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓		0	
DET	IMG	2143/1808	20	ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓		0	
DET	IMG	2143/1763	20	ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓		0	
DET	IMG	2137/391	20	ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPGACY	MADEMOISELLE KNITWEAR			3,000,000	
DET	IMG	2137/366	20	ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY			1,000,000	
DET	IMG	2137/356	20	ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP			1,000,000	
DET	IMG	2137/281	20	ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY			3,000,000	
DET	IMG	2137/237	20	ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK			529,650	
DET	IMG	2134/28	20	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN			0	
DET	IMG	2005/2225	20	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓		1,000,000	
DET	IMG	2005/2151	20	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		3,000,000	
DET	IMG	2005/2139	20	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		0	
DET	IMG	1700/333	20	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLP AGENCY	UNITED STATES TRST CO			4,500,000	
DET	IMG	1700/305	20	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY			4,500,000	
DET	IMG	1697/880	20	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR			0	
DET	IMG	1697/800	20	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPGACY	E.S. NEWHOUSE RLTY CO			0	
DET	IMG	1697/789	20	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT			0	
DET	IMG	1697/606	20	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO			0	
DET	IMG	1697/534	20	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP			0	
DET	IMG	1697/528	20	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK				0	
DET	IMG	1079/50	20	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
DET	IMG	1065/54	20	ENTIRE LOT	4/9/1979	4/9/1979	DEED	17	NATL COUNCIL FOR COMMUNITY DVLPT INC	NYC PUBLIC DVLPT CORP	✓		0
DET	IMG	1043/873	20	ENTIRE LOT	12/22/1978	12/22/1978	DEED	99	RABIN DAVID JOSEPH	NATIONAL COUNCIL FOR COMMUNITY DEVELOPMENT INC	✓		0
DET	IMG	1043/856	20	ENTIRE LOT	12/22/1978	12/22/1978	DEED	17	GFS LIMITED PARTNERSHIP	RABIN DAVID	✓		0

<input type="button" value="DET"/>	<input type="button" value="IMG"/>	892/1952	20	LOT ENTIRE	12/28/1976	12/28/1976	DEED	41	GFS REALTY CORP	JOSEPH GFS LIMITED PARTNERSHIP		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	860/1495	20	LOT ENTIRE	7/22/1976	7/22/1976	DEED	76	RHEINGOLD BREWERIES INC	GFS RLTY CORP		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	694/1562	20	LOT ENTIRE	3/4/1974	3/4/1974	DEED	7	STOVER RLTY CORP	RHEINGOLD BREWERIES INC NJ		0

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<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	18	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	18	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	18	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	18	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	18	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	18	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	18	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	18	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	18	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	18	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	18	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0

DET	IMG	2014000235787	18	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC	✓		0
DET	IMG	2014000235786	18	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC			11,250,000
DET	IMG	2014000235779	18	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓		0
DET	IMG	2014000163411	18	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.				0
DET	IMG	2014000163410	18	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
DET	IMG	2014000163409	18	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓		0
DET	IMG	2014000159815	18	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC			0
DET	IMG	2012000352940	18	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.			0
DET	IMG	2012000352939	18	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2012000352938	18	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2010000281421	18	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD			0
DET	IMG	2007000631833	18	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000605417	18	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000598863	18	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	✓	0
DET	IMG	2005000466648	18	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC			0
DET	IMG	2005000466571	18	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466569	18	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466568	18	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC			0

<a href="#">DET</a>	<a href="#">IMG</a>	2003000206666	18	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
<a href="#">DET</a>	<a href="#">IMG</a>	4644/359	18	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1647	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1641	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORAITON NYC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1635	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1633	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1630	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1624	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1621	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1618	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1612	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1606	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1600	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1594	18	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1885	18	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1835	18	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1818	18	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	18	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1804	18	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1785	18	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1774	18	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1325	18	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0

DET	IMG	2382/1308	18 ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	18 ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	18 ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	18 ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	18 ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	18 ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	18 ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	18 ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
DET	IMG	2229/138	18 ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
DET	IMG	2229/86	18 ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2229/69	18 ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
DET	IMG	2143/1824	18 ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓	0
DET	IMG	2143/1808	18 ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2143/1763	18 ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
DET	IMG	2137/391	18 ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR		3,000,000
DET	IMG	2137/366	18 ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY		1,000,000
DET	IMG	2137/356	18 ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP		1,000,000
DET	IMG	2137/281	18 ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY		3,000,000
DET	IMG	2137/237	18 ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK		529,650
DET	IMG	2134/28	18 ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0
DET	IMG	2005/2225	18 ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000
DET	IMG	2005/2151	18 ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000
DET	IMG	2005/2139	18 ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0
DET	IMG	1700/333	18 ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPT AGENCY	UNITED STATES TRST CO		4,500,000
DET	IMG	1700/305	18 ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000
DET	IMG	1697/880	18 ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0
DET	IMG	1697/800	18 ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO		0
DET	IMG	1697/789	18 ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0

<a href="#">DET</a>	<a href="#">IMG</a>	1697/606	18	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO			0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/534	18	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP			0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/528	18	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK				0	
<a href="#">DET</a>	<a href="#">IMG</a>	1079/50	18	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	1065/54	18	ENTIRE LOT	4/9/1979	4/9/1979	DEED	17	NATL COUNCIL FOR COMMUNITY DVLPT INC	NYC PUBLIC DVLPT CORP	✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	1043/873	18	ENTIRE LOT	12/22/1978	12/22/1978	DEED	99	RABIN DAVID JOSEPH	NATIONAL COUNCIL FOR COMMUNITY DEVELOPMENT INC	✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	1043/856	18	ENTIRE LOT	12/22/1978	12/22/1978	DEED	17	GFS LIMITED PARTNERSHIP	RABIN DAVID JOSEPH	✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	892/1952	18	ENTIRE LOT	12/28/1976	12/28/1976	DEED	41	GFS REALTY CORP	GFS LIMITED PARTNERSHIP	✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	860/1495	18	ENTIRE LOT	7/22/1976	7/22/1976	DEED	76	RHEINGOLD BREWERIES INC	GFS RLTY CORP			0
<a href="#">DET</a>	<a href="#">IMG</a>	694/1562	18	ENTIRE LOT	3/4/1974	3/4/1974	DEED	7	STOVER RLTY CORP	RHEINGOLD BREWERIES INC NJ	✓		0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337411	15	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337410	15	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337409	15	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337408	15	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337407	15	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240480	15	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240479	15	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240478	15	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240477	15	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240471	15	ENTIRE	6/30/2014	7/18/2014	PARTIAL	13	ARBOR REALTY	930 FLUSHING LLC				0

<a href="#">DET</a>	<a href="#">IMG</a>	2014000240470	15	ENTIRE LOT	6/30/2014	7/18/2014	11:46:12 AM 11:46:11 AM	RELEASE OF MORTGAGE PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY SR, INC. MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	15	ENTIRE LOT	6/27/2014	7/15/2014	12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	15	ENTIRE LOT	6/27/2014	7/15/2014	12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC		11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	15	ENTIRE LOT	6/27/2014	7/15/2014	12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163411	15	ENTIRE LOT	4/3/2014	5/13/2014	11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163410	15	ENTIRE LOT	3/27/2014	5/13/2014	11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163409	15	ENTIRE LOT	4/10/2014	5/13/2014	11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000159815	15	ENTIRE LOT	3/5/2014	5/9/2014	1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352940	15	ENTIRE LOT	8/15/2012	9/7/2012	10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352939	15	ENTIRE LOT	8/15/2012	9/7/2012	10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352938	15	ENTIRE LOT	8/15/2012	9/7/2012	10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2010000281421	15	PARTIAL LOT	8/19/2005	8/19/2010	3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD		0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000631833	15	ENTIRE LOT	1/11/2006	12/28/2007	4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000598863	15	PARTIAL LOT	12/4/2007	12/5/2007	9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466648	15	ENTIRE LOT	7/29/2005	8/19/2005	9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466571	15	ENTIRE LOT	7/29/2005	8/19/2005	9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0

<a href="#">DET</a>	<a href="#">IMG</a>	2005000466570	15	ENTIRE LOT	7/29/2005	8/19/2005 9:20:14 AM	AGREEMENT	19	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466568	15	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2003000206666	15	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
<a href="#">DET</a>	<a href="#">IMG</a>	4644/359	15	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1641	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1635	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1630	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1624	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1621	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1618	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1612	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1606	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1600	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1594	15	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1885	15	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1835	15	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1818	15	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	15	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0

<input type="button" value="DET"/>	<input type="button" value="IMG"/>	4152/1804	15	ENTIRE LOT	1/27/1998 3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC			0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1785	15	ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	<input checked="" type="checkbox"/>		1,000,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1774	15	ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	<input checked="" type="checkbox"/>		30,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1325	15	ENTIRE LOT	5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	<input checked="" type="checkbox"/>		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1308	15	ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR			0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1292	15	ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	<input checked="" type="checkbox"/>		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2382/1281	15	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		<input checked="" type="checkbox"/>		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/218	15	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	<input checked="" type="checkbox"/>		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/205	15	ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	<input checked="" type="checkbox"/>		3,000,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/191	15	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y			1,000,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/168	15	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	<input checked="" type="checkbox"/>		4,500,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/161	15	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	<input checked="" type="checkbox"/>		4,500,000
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/138	15	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	<input checked="" type="checkbox"/>		0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/86	15	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR			0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2229/69	15	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP			0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1396/932	15	ENTIRE LOT	5/17/1983 5/17/1983	DEED	98	COMMISSIONER OF FINANCE	NEW YORK CITY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	14	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	14	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	14	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	14	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	14	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	14	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	14	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	14	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	14	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	14	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	14	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000

DET	IMG	2014000235779	14	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓	0
DET	IMG	2014000163411	14	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.			0
DET	IMG	2014000163410	14	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2014000163409	14	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓	0
DET	IMG	2014000159815	14	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC		0
DET	IMG	2012000352940	14	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.		0
DET	IMG	2012000352939	14	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2012000352938	14	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2010000281421	14	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD		0
DET	IMG	2007000631833	14	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0
DET	IMG	2007000605417	14	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0
DET	IMG	2007000605417	14	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD		0
DET	IMG	2007000598863	14	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	0
DET	IMG	2005000466648	14	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC		0
DET	IMG	2005000466571	14	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466569	14	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466568	14	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC		0
DET	IMG	2003000206666	14	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000

<a href="#">DET</a>	<a href="#">IMG</a>	4644/359	14	ENTIRE LOT	11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1647	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1641	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1635	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1633	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1630	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1624	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1621	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1618	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1612	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1606	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1600	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1594	14	ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1885	14	ENTIRE LOT	3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1835	14	ENTIRE LOT	3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0	
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1818	14	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	14	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1804	14	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1785	14	ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1774	14	ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1325	14	ENTIRE LOT	5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1308	14	ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0	

DET	IMG	2382/1292	14	ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	14	ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	14	ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	14	ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	14	ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	14	ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	14	ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
DET	IMG	2229/138	14	ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
DET	IMG	2229/86	14	ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2229/69	14	ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
DET	IMG	2143/1824	14	ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓	0
DET	IMG	2143/1808	14	ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2143/1763	14	ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
DET	IMG	2137/391	14	ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR		3,000,000
DET	IMG	2137/366	14	ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY		1,000,000
DET	IMG	2137/356	14	ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP		1,000,000
DET	IMG	2137/281	14	ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY		3,000,000
DET	IMG	2137/237	14	ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK		529,650
DET	IMG	2134/28	14	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0
DET	IMG	2005/2225	14	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000
DET	IMG	2005/2151	14	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000
DET	IMG	2005/2139	14	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0
DET	IMG	1700/333	14	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLP AGENCY	UNITED STATES TRST CO		4,500,000
DET	IMG	1700/305	14	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000
DET	IMG	1697/880	14	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0
DET	IMG	1697/800	14	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO		0
DET	IMG	1697/789	14	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0
DET	IMG	1697/606	14	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO		0

<a href="#">DET</a>	<a href="#">IMG</a>	1697/534	14 ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP			0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/528	14 ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK				0	
<a href="#">DET</a>	<a href="#">IMG</a>	1079/50	14 ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	681/138	14 ENTIRE LOT	12/27/1973	12/27/1973	DEED	10	FINANCE ADMIN OF CITY OF NY	CITY OF NY	✓	✓	0

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<b>Date Range:</b>	
<b>Document Class:</b>	All Document Classes

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	12	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	12	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	12	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	12	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	12	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	12	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	12	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	12	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	12	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	12	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	12	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0

DET	IMG	2014000235787	12	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC	✓		0
DET	IMG	2014000235786	12	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC			11,250,000
DET	IMG	2014000235779	12	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓		0
DET	IMG	2014000163411	12	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.				0
DET	IMG	2014000163410	12	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
DET	IMG	2014000163409	12	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓		0
DET	IMG	2014000159815	12	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC			0
DET	IMG	2012000352940	12	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.			0
DET	IMG	2012000352939	12	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2012000352938	12	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
DET	IMG	2010000281421	12	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD			0
DET	IMG	2007000631833	12	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000605417	12	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2007000598863	12	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	✓	0
DET	IMG	2005000466648	12	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC			0
DET	IMG	2005000466571	12	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466569	12	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
DET	IMG	2005000466568	12	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC			0

<a href="#">DET</a>	<a href="#">IMG</a>	2003000206666	12	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
<a href="#">DET</a>	<a href="#">IMG</a>	4644/359	12	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1647	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1641	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1635	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1633	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1630	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1624	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1621	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1618	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1612	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1606	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1600	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1594	12	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1885	12	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1835	12	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1818	12	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	12	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1804	12	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1785	12	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1774	12	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1325	12	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0

DET	IMG	2382/1308	12 ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	12 ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	12 ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	12 ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	12 ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	12 ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	12 ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	12 ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
DET	IMG	2229/138	12 ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
DET	IMG	2229/86	12 ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2229/69	12 ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
DET	IMG	2143/1824	12 ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓	0
DET	IMG	2143/1808	12 ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2143/1763	12 ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
DET	IMG	2137/391	12 ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GY	MADEMOISELLE KNITWEAR		3,000,000
DET	IMG	2137/366	12 ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY		1,000,000
DET	IMG	2137/356	12 ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP		1,000,000
DET	IMG	2137/281	12 ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY		3,000,000
DET	IMG	2137/237	12 ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK		529,650
DET	IMG	2134/28	12 ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0
DET	IMG	2005/2225	12 ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000
DET	IMG	2005/2151	12 ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000
DET	IMG	2005/2139	12 ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0
DET	IMG	1700/333	12 ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPT AGENCY	UNITED STATES TRST CO		4,500,000
DET	IMG	1700/305	12 ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000
DET	IMG	1697/880	12 ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0
DET	IMG	1697/800	12 ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GY	E.S. NEWHOUSE RLTY CO		0
DET	IMG	1697/789	12 ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0

<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/606	12 ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO			0	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/534	12 ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP			0	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/528	12 ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK				0	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1079/50	12 ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	681/138	12 ENTIRE LOT	12/27/1973	12/27/1973	DEED	10	FINANCE ADMIN OF CITY OF NY	CITY OF NY	✓	✓	0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	673/238	12 ENTIRE LOT	3/13/1968	3/13/1968	SUNDRY AGREEMENT	4	LEWARTOWSKI LEISER		✓		0

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<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	11	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	11	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	11	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	11	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	11	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	11	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	11	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	11	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	11	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	11	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	11	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0

<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	11	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	11	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC			11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	11	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163411	11	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163410	11	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163409	11	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000159815	11	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352940	11	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.			0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352939	11	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352938	11	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.			471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2010000281421	11	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000631833	11	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000605417	11	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
<a href="#">DET</a>	<a href="#">IMG</a>	2007000598863	11	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466648	11	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466571	11	ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466569	11	ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC			0
<a href="#">DET</a>	<a href="#">IMG</a>	2005000466568	11	ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC			0

<a href="#">DET</a>	<a href="#">IMG</a>	2003000206666	11	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
<a href="#">DET</a>	<a href="#">IMG</a>	4644/359	11	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1647	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1641	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1635	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1633	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1630	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1624	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1621	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1618	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1612	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1606	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1600	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
<a href="#">DET</a>	<a href="#">IMG</a>	4153/1594	11	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1885	11	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1835	11	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1818	11	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1808	11	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
<a href="#">DET</a>	<a href="#">IMG</a>	4152/1804	11	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1785	11	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1774	11	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
<a href="#">DET</a>	<a href="#">IMG</a>	2382/1325	11	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0

DET	IMG	2382/1308	11 ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	11 ENTIRE LOT	5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	11 ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	11 ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	11 ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	11 ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	11 ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	11 ENTIRE LOT	6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
DET	IMG	2229/138	11 ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
DET	IMG	2229/86	11 ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2229/69	11 ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
DET	IMG	2143/1824	11 ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓	0
DET	IMG	2143/1808	11 ENTIRE LOT	12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2143/1763	11 ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
DET	IMG	2137/391	11 ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPA GCY	MADEMOISELLE KNITWEAR		3,000,000
DET	IMG	2137/366	11 ENTIRE LOT	12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY		1,000,000
DET	IMG	2137/356	11 ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP		1,000,000
DET	IMG	2137/281	11 ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY		3,000,000
DET	IMG	2137/237	11 ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK		529,650
DET	IMG	2134/28	11 ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN		0
DET	IMG	2005/2225	11 ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000
DET	IMG	2005/2151	11 ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000
DET	IMG	2005/2139	11 ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0
DET	IMG	1700/333	11 ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPT AGENCY	UNITED STATES TRST CO		4,500,000
DET	IMG	1700/305	11 ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000
DET	IMG	1697/880	11 ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR		0
DET	IMG	1697/800	11 ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA GCY	E.S. NEWHOUSE RLTY CO		0
DET	IMG	1697/789	11 ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT		0

<a href="#">DET</a>	<a href="#">IMG</a>	1697/606	11	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLP	TCP	E S NEWHOUSE RLTY CO			0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/534	11	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK		PUBLIC DVLP	CORP		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/528	11	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK					0	
<a href="#">DET</a>	<a href="#">IMG</a>	952/1774	11	ENTIRE LOT	10/21/1977	10/21/1977	DEED	1	FINANCE ADMINISTRATOR OF THE CITY OF NEW YORK	THE CITY OF NEW YORK		✓	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	641/126	11	ENTIRE LOT	6/22/1973	6/22/1973	DEED	3	C&A CONSTRUCTION CORP	ESENAREF RLTY CORP				0
<a href="#">DET</a>	<a href="#">IMG</a>	400/1458	11	ENTIRE LOT	3/23/1970	3/23/1970	DEED	2	ASHKENAZY ISIDORE	C & A CONSTRUCTION CORP		✓		0

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<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	10	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	10	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	10	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	10	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	10	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	10	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	10	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	10	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	10	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD RP	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	10	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44	DEED	7	ACQUISITIONS	930 FLUSHING LLC		✓		0

DET	IMG	2014000235786	10	ENTIRE LOT	6/27/2014	7/15/2014 PM 12:55:43	DEED	12	LLC G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC		11,250,000
DET	IMG	2014000235779	10	ENTIRE LOT	6/27/2014	7/15/2014 PM 12:55:36	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓	0
DET	IMG	2014000163411	10	ENTIRE LOT	4/3/2014	5/13/2014 AM 11:06:44	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.			0
DET	IMG	2014000163410	10	ENTIRE LOT	3/27/2014	5/13/2014 AM 11:06:43	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005- 1,LTD			0
DET	IMG	2014000163409	10	ENTIRE LOT	4/10/2014	5/13/2014 AM 11:06:42	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓	0
DET	IMG	2014000159815	10	ENTIRE LOT	3/5/2014	5/9/2014 PM 1:56:36	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC		0
DET	IMG	2012000352940	10	ENTIRE LOT	8/15/2012	9/7/2012 AM 10:41:56	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.		0
DET	IMG	2012000352939	10	ENTIRE LOT	8/15/2012	9/7/2012 AM 10:41:55	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2012000352938	10	ENTIRE LOT	8/15/2012	9/7/2012 AM 10:41:54	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2012000352937	10	ENTIRE LOT	8/15/2012	9/7/2012 AM 10:41:53	AGREEMENT	14	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITES SERIES 2005-1, LTD		25,000,000
DET	IMG	2012000352936	10	ENTIRE LOT	7/31/2012	9/7/2012 AM 10:41:52	DEED	5	21 MONTIETH LLC	930 FLUSHING LLC		0
DET	IMG	2005000501969	10	ENTIRE LOT	7/22/2005	9/8/2005 PM 12:04:08	DISCHARGE OF TAX LIEN	5	THE BANK OF NEW YORK			0
DET	IMG	2004000789565	10	ENTIRE LOT	11/29/2004	12/28/2004 AM 10:00:36	DISCHARGE OF TAX LIEN	3	THE BANK OF NEW YORK			0
DET	IMG	2004000768972	10	ENTIRE LOT	11/19/2004	12/14/2004 AM 11:30:32	DEED, OTHER	4	WAVEBROOK ASSOCIATES, LLC	21 MONTEITH, LLC		232,000
DET	IMG	2003000053838	10	ENTIRE LOT	2/6/2003	3/19/2003 PM 1:54:38	DEED, OTHER	4	LESLIE ANKER, ESQ AS REFEREE	WAVEBROOK ASSOCIATES LLC		51,000
DET	IMG	5758/914	10	ENTIRE LOT		8/16/2002	TAX LIEN SALE CERTIFICATE	29	CITY OF NEW YORK	BANK OF NEW YORK		0
DET	IMG	4343/1135	10	ENTIRE LOT		12/9/1998	TAX LIEN SALE CERTIFICATE	43	CITY OF NEW YORK	BANK OF NEW YORK	✓	0
			10	ENTIRE	1/29/1973	1/29/1973	DEED	2	PIRA CAMILLO	PIRA ANGELO	✓	0

<input type="button" value="DET"/>	<input type="button" value="IMG"/>	611/30		LOT									
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	601/1019	10	ENTIRE LOT	12/13/1972	12/13/1972	MORTGAGE	4	PIRA ANGELO	MAITINO ERNEST			0
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	601/1011	10	ENTIRE LOT	12/13/1972	12/13/1972	DEED	2	MAITINO ERNEST'	PIRA ANGELO			0

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<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	8	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	8	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	8	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	8	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	8	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	8	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	8	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	8	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	8	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	8	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44	DEED	7	RP ACQUISITIONS	930 FLUSHING LLC		✓		0

DET	IMG	2014000235786	8	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC		11,250,000
DET	IMG	2014000235779	8	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC	✓	0
DET	IMG	2014000163411	8	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.			0
DET	IMG	2014000163410	8	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD			0
DET	IMG	2014000163409	8	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC		✓	0
DET	IMG	2014000159815	8	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC		0
DET	IMG	2012000352940	8	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.		0
DET	IMG	2012000352939	8	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2012000352938	8	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.		471,901
DET	IMG	2012000352937	8	ENTIRE LOT	8/15/2012	9/7/2012 10:41:53 AM	AGREEMENT	14	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITES SERIES 2005-1, LTD		25,000,000
DET	IMG	2012000352936	8	ENTIRE LOT	7/31/2012	9/7/2012 10:41:52 AM	DEED	5	21 MONTIETH LLC	930 FLUSHING LLC		0
DET	IMG	2005000192479	8	ENTIRE LOT	3/16/2005	4/4/2005 3:40:56 PM	DEED	5	KLEIN, AARON	21 MONTIETH LLC		0
DET	IMG	2005000192478	8	ENTIRE LOT	3/16/2005	4/4/2005 3:40:55 PM	DEED	4	CDG DEVELOPMENT CORP.	KLEIN, AARON		200,000
DET	IMG	2003000480652	8	ENTIRE LOT	8/27/2003	12/1/2003 2:40:50 PM	DEED, OTHER	5	PIRA BROS. WROUGHT IRON DESIGNS, INC.	CDG DEVELOPMENT CORP.		25,000
DET	IMG	1365/1498	8	ENTIRE LOT		1/5/1983	SATISFACTION OF MORTGAGE	2	PIRA BROS WROU.IRONDES.	MAITINO, ERNEST	✓	0
DET	IMG	601/1015	8	ENTIRE LOT	12/13/1972	12/13/1972	MORTGAGE	4	PIRA BROS WROUGHT IRON DESIGNS INC	MAITINO ERNEST	✓	0
DET	IMG	601/1013	8	ENTIRE LOT	12/13/1972	12/13/1972	DEED	2	MAITINO ERNEST	PIRA BROS WROUGHT IRON DESIGNS INC	✓	0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	7	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	7	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	7	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	7	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	7	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	7	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	7	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	7	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	7	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	7	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	7	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	7	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	7	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235779	7	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163411	7	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163410	7	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LTD					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163409	7	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC			✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000159815	7	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352940	7	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352939	7	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2012000352938	7	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2010000281421	7	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000631833	7	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000605417	7	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000598863	7	PARTIAL LOT	12/4/2007	12/5/2007	UCC3	8	930 FLUSHING LLC	ARBOR REALTY	✓	✓		0

			LOT		9:50:43 AM	ASSIGNMENT			FUNDING LLC		
		2005000466648	7 ENTIRE LOT	7/29/2005	8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC		0
		2005000466671	7 ENTIRE LOT	7/29/2005	8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
		2005000466659	7 ENTIRE LOT	7/29/2005	8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
		2005000466658	7 ENTIRE LOT	7/29/2005	8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC		0
		2003000206666	7 ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
		4644/359	7 ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
		4153/1647	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
		4153/1641	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORAITON NYC	✓	0
		4153/1635	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
		4153/1633	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
		4153/1630	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADMOISELLE KNITWEAR INC		0
		4153/1624	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORAITON	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
		4153/1621	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADMOISELLE KNITWEAR INC	✓	0
		4153/1618	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORAITON OF NEW YORK CITY	MADMOISELLE KNITWEAR INC	✓	0
		4153/1612	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
		4153/1606	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
		4153/1600	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
		4153/1594	7 ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
		4152/1885	7 ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
		4152/1835	7 ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
		4152/1818	7 ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
		4152/1808	7 ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADMOISELLE KNITWEAR, INC.		0
		4152/1804	7 ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
		2382/1785	7 ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADMOISELLE KNITWEAR	✓	1,000,000
		2382/1774	7 ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADMOISELLE KNITWEAR	✓	30,000
		2382/1325	7 ENTIRE LOT		5/2/1989	AGREEMENT	49	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
		2382/1308	7 ENTIRE LOT		5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADMOISELLE KNITWEAR		0
		2382/1292	7 ENTIRE LOT		5/2/1989	LEASE	16	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
		2382/1281	7 ENTIRE LOT		5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
		2229/218	7 ENTIRE LOT		6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
		2229/205	7 ENTIRE LOT		6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADMOISELLE KNITWEAR	✓	3,000,000
		2229/191	7 ENTIRE LOT		6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
		2229/168	7 ENTIRE LOT		6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
		2229/161	7 ENTIRE LOT		6/13/1988	MORTGAGE	7	MADMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
		2229/138	7 ENTIRE LOT		6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
		2229/86	7 ENTIRE LOT		6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADMOISELLE KNITWEAR		0
		2229/69	7 ENTIRE LOT		6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
		2143/1824	7 ENTIRE LOT		12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADMOISELLE	✓	0
		2143/1808	7 ENTIRE LOT		12/18/1987	AGREEMENT	16	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
		2143/1763	7 ENTIRE LOT		12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
		2137/391	7 ENTIRE LOT		12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPGACY	MADMOISELLE KNITWEAR		3,000,000
			7 ENTIRE		12/8/1987	MORTGAGE	25	NEWHOUSE,MADMOISELLE	FINANCIAL SERVS		1,000,000

DET	IMG	2137/366	LOT	KN	CP NY				
DET	IMG	2137/356	7 ENTIRE LOT	12/8/1987 MORTGAGE	10 MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP			1,000,000
DET	IMG	2137/281	7 ENTIRE LOT	12/8/1987 MORTGAGE	75 MADEMOISELLE KNITWEAR IN	CITY OF NY			3,000,000
DET	IMG	2137/237	7 ENTIRE LOT	12/8/1987 MORTGAGE	45 MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK			529,650
DET	IMG	2134/28	7 ENTIRE LOT	12/4/1987 ASSIGNMENT, MORTGAGE	18 E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN			0
DET	IMG	2005/2225	7 ENTIRE LOT	4/14/1987 MORTGAGE	24 E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓		1,000,000
DET	IMG	2005/2151	7 ENTIRE LOT	4/14/1987 MORTGAGE	74 E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		3,000,000
DET	IMG	2005/2139	7 ENTIRE LOT	4/14/1987 AGREEMENT	12 E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓		0
DET	IMG	1700/333	7 ENTIRE LOT	9/26/1985 MORTGAGE	118 NYC INDUST DVLPA AGENCY	UNITED STATES TRST CO			4,500,000
DET	IMG	1700/305	7 ENTIRE LOT	9/26/1985 MORTGAGE	32 E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY			4,500,000
DET	IMG	1697/880	7 ENTIRE LOT	9/20/1985 AGREEMENT	26 E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR			0
DET	IMG	1697/800	7 ENTIRE LOT	9/20/1985 LEASE	87 NYC INDUSTRIAL DVLPA AGENCY	E.S. NEWHOUSE RLTY CO			0
DET	IMG	1697/789	7 ENTIRE LOT	9/20/1985 AGREEMENT	12 E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLPT			0
DET	IMG	1697/606	7 ENTIRE LOT	9/20/1985 LEASE	190 NEW YORK C PUB/DVLPTCP	E S NEWHOUSE RLTY CO			0
DET	IMG	1697/534	7 ENTIRE LOT	9/20/1985 LEASE	76 CITY OF NEW YORK	PUBLIC DVLPCORP			0
DET	IMG	1697/528	7 ENTIRE LOT	9/20/1985 DECLARATION	6 CITY OF NEW YORK				0
DET	IMG	1079/50	7 ENTIRE LOT	6/14/1979 6/14/1979 DEED	52 COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓	✓	0
DET	IMG	1065/54	7 ENTIRE LOT	4/9/1979 4/9/1979 DEED	17 NATL COUNCIL FOR COMMUNITY DVLPT INC	NYC PUBLIC DVLPT CORP	✓		0
DET	IMG	1043/873	7 ENTIRE LOT	12/22/1978 12/22/1978 DEED	99 RABIN DAVID JOSEPH	NATIONAL COUNCIL FOR COMMUNITY DEVELOPMENT INC	✓		0
DET	IMG	1043/856	7 ENTIRE LOT	12/22/1978 12/22/1978 DEED	17 GFS LIMITED PARTNERSHIP	RABIN DAVID JOSEPH	✓		0
DET	IMG	892/1952	7 ENTIRE LOT	12/28/1976 12/28/1976 DEED	41 GFS REALTY CORP	GFS LIMITED PARTNERSHIP	✓		0
DET	IMG	860/1495	7 ENTIRE LOT	7/22/1976 7/22/1976 DEED	76 RHEINGOLD BREWERIES INC	GFS RLTY CORP			0
DET	IMG	694/1569	7 ENTIRE LOT	3/4/1974 3/4/1974 DEED	13 RHEINGOLD BREWERIES INC (NY)	RHEINGOLD BREWERIES INC NJ	✓		0
DET	IMG	688/823	7 ENTIRE LOT	1/30/1974 1/30/1974 ASSIGNMENT, MORTGAGE	12 EQUITABLE LIFE ASSURANCE SOCIETY OF THE US	FIRST NATIONAL CITY BANK	✓		0

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<b>Date Range:</b>	
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<a href="#">DET</a>	<a href="#">IMG</a>	2014000337411	6	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337410	6	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337409	6	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337408	6	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a>	<a href="#">IMG</a>	2014000337407	6	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240480	6	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240478	6	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240471	6	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000240470	6	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235787	6	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235786	6	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a>	<a href="#">IMG</a>	2014000235779	6	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163411	6	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.					0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163410	6	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD					0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000163409	6	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC			✓		0
<a href="#">DET</a>	<a href="#">IMG</a>	2014000159815	6	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352940	6	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352939	6	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR, INC.				471,901
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352938	6	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR.				471,901

<a href="#">DET</a>	<a href="#">IMG</a>	2012000352937	6	ENTIRE LOT	8/15/2012	9/7/2012 10:41:53 AM	AGREEMENT	14	930 FLUSHING LLC	INC. ARBOR REALTY MORTGAGE SECURITES SERIES 2005-1, LTD		25,000,000
<a href="#">DET</a>	<a href="#">IMG</a>	2012000352935	6	ENTIRE LOT	7/31/2012	9/7/2012 10:41:51 AM	DEED	4	485 BUSHWICK ASSOCIATES LLC	930 FLUSHING LLC		0
<a href="#">DET</a>	<a href="#">IMG</a>	2006000196305	6	ENTIRE LOT	3/23/2006	4/10/2006 10:03:49 AM	DEED	3	PAULINO, AUGUSTO	485 BUSHWICK ASSOCIATES, LLC		675,000
<a href="#">DET</a>	<a href="#">IMG</a>	2004000314719	6	ENTIRE LOT	5/18/2005	5/19/2004 1:04:10 PM	DISCHARGE OF TAX LIEN	3	THE BANK OF NEW YORK,			0
<a href="#">DET</a>	<a href="#">IMG</a>	2004000314719	6	ENTIRE LOT	5/18/2005	5/19/2004 1:04:10 PM	DISCHARGE OF TAX LIEN	3	THE BANK OF NEW YORK,			0
<a href="#">DET</a>	<a href="#">IMG</a>	2004000314718	6	ENTIRE LOT	10/2/2003	5/19/2004 1:04:09 PM	DEED	5	DIAZ, JOSE GERMAN	PAULINO, AUGUSTO	✓	20,000
<a href="#">DET</a>	<a href="#">IMG</a>	5468/2337	6	ENTIRE LOT	9/6/2001	2/7/2002	DEED	3	TIRADO, RAMON	DIAZ, JOSE GERMAN	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	4379/2465	6	ENTIRE LOT		1/25/1999	ASSIGNMENT OF TAX LIEN	1	NYCTL 1997-1 TRUST	BANK OF NEW YORK		0
<a href="#">DET</a>	<a href="#">IMG</a>	3966/321	6	ENTIRE LOT		6/18/1997	TAX LIEN SALE CERTIFICATE	34	CITY OF NEW YORK	BANK OF NEW YORK		0
<a href="#">DET</a>	<a href="#">IMG</a>	3236/1415	6	ENTIRE LOT	11/8/1990	3/14/1994	DEED	3	CITY OF NEW YORK	TIRADO, RAMON		0
<a href="#">DET</a>	<a href="#">IMG</a>	3236/1412	6	ENTIRE LOT		3/14/1994	POWER OF ATTORNEY	3	TIRADO, RAMON	WEISSMAN, RICHARD C.		0
<a href="#">DET</a>	<a href="#">IMG</a>	786/134	6	ENTIRE LOT	6/19/1975	6/19/1975	DEED	1	FINANCE ADMIN CITY OF NY	CITY OF NY	✓	0

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	5	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	5	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	5	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	5	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	5	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	5	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	5	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	5	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	5	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	5	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	5	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	5	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	5	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235779	5	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163411	5	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163410	5	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163409	5	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC			✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000159815	5	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352940	5	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352939	5	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2012000352938	5	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2010000281421	5	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000631833	5	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000605417	5	ENTIRE LOT	1/11/2006	12/10/2007 3:34:14 PM	ASSIGNMENT, MORTGAGE	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1,LTD				0
		2007000598863	5	PARTIAL LOT	12/4/2007	12/5/2007	UCC3	8	930 FLUSHING LLC	ARBOR REALTY				0

DET	IMG	LOT	9:50:43 AM	ASSIGNMENT	FUNDING LLC	✓	✓		
DET	IMG	2005000466648	5 ENTIRE LOT	7/29/2005 8/19/2005 9:56:23 AM	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC	0
DET	IMG	2005000466571	5 ENTIRE LOT	7/29/2005 8/19/2005 9:20:15 AM	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0
DET	IMG	2005000466569	5 ENTIRE LOT	7/29/2005 8/19/2005 9:20:13 AM	AGREEMENT	23	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	0
DET	IMG	2005000466568	5 ENTIRE LOT	7/29/2005 8/19/2005 9:20:12 AM	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC	0
DET	IMG	2003000206666	5 ENTIRE LOT	6/17/2003 7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	225,000
DET	IMG	4644/359	5 ENTIRE LOT	11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC	0
DET	IMG	4153/1647	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK	0
DET	IMG	4153/1641	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC	0
DET	IMG	4153/1635	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	0
DET	IMG	4153/1633	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY	0
DET	IMG	4153/1630	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADMOISELLE KNITWEAR INC	0
DET	IMG	4153/1624	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	0
DET	IMG	4153/1621	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADMOISELLE KNITWEAR INC	0
DET	IMG	4153/1618	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADMOISELLE KNITWEAR INC	0
DET	IMG	4153/1612	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT	0
DET	IMG	4153/1606	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	MADMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	0
DET	IMG	4153/1600	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	0
DET	IMG	4153/1594	5 ENTIRE LOT	3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	0
DET	IMG	4152/1885	5 ENTIRE LOT	3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP	0
DET	IMG	4152/1835	5 ENTIRE LOT	3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP	0
DET	IMG	4152/1818	5 ENTIRE LOT	1/27/1998 3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION	0
DET	IMG	4152/1808	5 ENTIRE LOT	1/27/1998 3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADMOISELLE KNITWEAR, INC.	0
DET	IMG	4152/1804	5 ENTIRE LOT	1/27/1998 3/25/1998	DEED	8	MADMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC	0
DET	IMG	2382/1785	5 ENTIRE LOT	5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADMOISELLE KNITWEAR	1,000,000
DET	IMG	2382/1774	5 ENTIRE LOT	5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADMOISELLE KNITWEAR	30,000
DET	IMG	2382/1325	5 ENTIRE LOT	5/2/1989	AGREEMENT	49	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	0
DET	IMG	2382/1308	5 ENTIRE LOT	5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADMOISELLE KNITWEAR	0
DET	IMG	2382/1292	5 ENTIRE LOT	5/2/1989	LEASE	16	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	0
DET	IMG	2382/1281	5 ENTIRE LOT	5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		0
DET	IMG	2229/218	5 ENTIRE LOT	6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	0
DET	IMG	2229/205	5 ENTIRE LOT	6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADMOISELLE KNITWEAR	3,000,000
DET	IMG	2229/191	5 ENTIRE LOT	6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y	1,000,000
DET	IMG	2229/168	5 ENTIRE LOT	6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	4,500,000
DET	IMG	2229/161	5 ENTIRE LOT	6/13/1988	MORTGAGE	7	MADMOISELLE KNITWEAR	MARINE MIDLAND BANK	4,500,000
DET	IMG	2229/138	5 ENTIRE LOT	6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	0
DET	IMG	2229/86	5 ENTIRE LOT	6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADMOISELLE KNITWEAR	0
DET	IMG	2229/69	5 ENTIRE LOT	6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP	0
DET	IMG	2143/1824	5 ENTIRE LOT	12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADMOISELLE	0
DET	IMG	2143/1808	5 ENTIRE LOT	12/18/1987	AGREEMENT	16	MADMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	0
DET	IMG	2143/1763	5 ENTIRE LOT	12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	0
DET	IMG	2137/391	5 ENTIRE LOT	12/8/1987	MORTGAGE	11	NYC INDUSTRIAL	MADMOISELLE	3,000,000

<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2137/366	5	LOT ENTIRE LOT	12/8/1987	MORTGAGE	25	DVLPAGCY NEWHOUSE,MADEMOISELLE KN	KNITWEAR FINANCIAL SERVS CP NY	1,000,000		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2137/356	5	ENTIRE LOT	12/8/1987	MORTGAGE	10	MADEMOISELLE KNITWEAR IN	FINANCIAL SERVS CORP	1,000,000		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2137/281	5	ENTIRE LOT	12/8/1987	MORTGAGE	75	MADEMOISELLE KNITWEAR IN	CITY OF NY	3,000,000		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2137/237	5	ENTIRE LOT	12/8/1987	MORTGAGE	45	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANK	529,650		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2134/28	5	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR IN	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2005/2225	5	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	1,000,000	✓	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2005/2151	5	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	3,000,000	✓	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	2005/2139	5	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	0	✓	
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1700/333	5	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLP AGENCY	UNITED STATES TRST CO	4,500,000		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1700/305	5	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY	4,500,000		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/880	5	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADEMOISELLE KNITWEAR	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/800	5	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPAGCY	E.S. NEWHOUSE RLTY CO	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/789	5	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLP	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/606	5	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLP	E S NEWHOUSE RLTY CO	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/534	5	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLP	0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1697/528	5	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK		0		
<input type="button" value="DET"/>	<input type="button" value="IMG"/>	1079/50	5	ENTIRE LOT	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	0	✓	✓





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<b>Unit:</b>	N/A
<b>Date Range:</b>	
<b>Document Class:</b>	All Document Classes

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View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
<a href="#">DET</a> <a href="#">IMG</a>		2014000337411	1	ENTIRE LOT	9/29/2014	10/9/2014 12:27:30 PM	ASSIGNMENT OF LEASES AND RENTS	13	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337410	1	ENTIRE LOT	9/29/2014	10/9/2014 12:27:29 PM	MORTGAGE	40	BUSHWICK HOLDINGS I LLC	MADISON EXCHANGE, LLC		✓		36,800,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000337409	1	ENTIRE LOT	9/29/2014	10/9/2014 12:27:28 PM	DEED	5	JTB 930 II LLC	BUSHWICK HOLDINGS I LLC				3,312,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337408	1	ENTIRE LOT	9/29/2014	10/9/2014 12:27:27 PM	DEED	5	JTB 930 I LLC	BUSHWICK HOLDINGS I LLC				16,562,500
<a href="#">DET</a> <a href="#">IMG</a>		2014000337407	1	ENTIRE LOT	9/29/2014	10/9/2014 12:27:26 PM	DEED	5	930 FLUSHING LLC	BUSHWICK HOLDINGS I LLC				33,125,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000240480	1	PARTIAL LOT	6/30/2014	7/18/2014 11:46:21 AM	UCC3 TERMINATION	7	930 FLUSHING LLC	ARBOR REALTY SR, INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240479	1	PARTIAL LOT	6/30/2014	7/18/2014 11:46:20 AM	UCC3 TERMINATION	6	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240478	1	ENTIRE LOT	6/30/2014	7/18/2014 11:46:19 AM	TERMINATION OF ASSIGN OF L&R	7	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240477	1	ENTIRE LOT	6/30/2014	7/18/2014 11:46:18 AM	TERMINATION OF ASSIGN OF L&R	6	ARBOR REALTY MORTGAGE SECURITY SERIES 2005-1, LTD.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240471	1	ENTIRE LOT	6/30/2014	7/18/2014 11:46:12 AM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR, INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000240470	1	ENTIRE LOT	6/30/2014	7/18/2014 11:46:11 AM	PARTIAL RELEASE OF MORTGAGE	16	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235787	1	ENTIRE LOT	6/27/2014	7/15/2014 12:55:44 PM	DEED	7	RP ACQUISITIONS LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000235786	1	ENTIRE LOT	6/27/2014	7/15/2014 12:55:43 PM	DEED	12	G & F FLUSHING HOLDINGS LLC	RP ACQUISITIONS LLC				11,250,000
<a href="#">DET</a> <a href="#">IMG</a>		2014000235779	1	ENTIRE LOT	6/27/2014	7/15/2014 12:55:36 PM	DEED	7	930 FLUSHING LLC	930 FLUSHING LLC		✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163411	1	ENTIRE LOT	4/3/2014	5/13/2014 11:06:44 AM	SUNDRY MISCELLANEOUS	11	ARBOR REALTY SR, INC.					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163410	1	ENTIRE LOT	3/27/2014	5/13/2014 11:06:43 AM	SUNDRY MISCELLANEOUS	15	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LTD					0
<a href="#">DET</a> <a href="#">IMG</a>		2014000163409	1	ENTIRE LOT	4/10/2014	5/13/2014 11:06:42 AM	SUNDRY MISCELLANEOUS	71	930 FLUSHING LLC			✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2014000159815	1	ENTIRE LOT	3/5/2014	5/9/2014 1:56:36 PM	PARTIAL RELEASE OF MORTGAGE	13	ARBOR REALTY SR. INC.	930 FLUSHING LLC				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352940	1	ENTIRE LOT	8/15/2012	9/7/2012 10:41:56 AM	INITIAL UCC1	12	930 FLUSHING LLC	ARBOR REALTY SR. INC.				0
<a href="#">DET</a> <a href="#">IMG</a>		2012000352939	1	ENTIRE LOT	8/15/2012	9/7/2012 10:41:55 AM	ASSIGNMENT OF LEASES AND RENTS	19	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2012000352938	1	ENTIRE LOT	8/15/2012	9/7/2012 10:41:54 AM	MORTGAGE	21	930 FLUSHING LLC	ARBOR REALTY SR. INC.				471,901
<a href="#">DET</a> <a href="#">IMG</a>		2010000281421	1	PARTIAL LOT	8/19/2005	8/19/2010 3:59:47 PM	UCC3 CONTINUATION	5	930 FLUSHING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1 LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000631833	1	ENTIRE LOT	1/11/2006	12/28/2007 4:35:47 PM	ASGN OF ASGN OF L&R	12	ARBOR REALTY FUNDING LLC	ARBOR REALTY MORTGAGE SECURITIES SERIES 2005-1, LTD				0
<a href="#">DET</a> <a href="#">IMG</a>		2007000598863	1	PARTIAL LOT	12/4/2007	12/5/2007 9:50:43 AM	UCC3 ASSIGNMENT	8	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC	✓	✓		0
<a href="#">DET</a> <a href="#">IMG</a>		2005000466648	1	ENTIRE LOT	7/29/2005	8/19/2005 9:56:23	DEED	7	FOREST LOTS LLC	930 FLUSHING LLC				0

DET	IMG	2005000466571	1	ENTIRE LOT	7/29/2005	8/19/2005 AM 9:20:15	INITIAL UCC1	9	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466570	1	ENTIRE LOT	7/29/2005	8/19/2005 AM 9:20:14	AGREEMENT	19	930 FLUSHING LLC	ARBOR REALTY FUNDING LLC		0
DET	IMG	2005000466568	1	ENTIRE LOT	7/29/2005	8/19/2005 AM 9:20:12	ASSIGNMENT OF LEASES AND RENTS	22	ARBOR REALTY FUNDING, LLC	930 FLUSHING LLC		0
DET	IMG	2003000373628	1	ENTIRE LOT	9/19/2003	9/19/2003 3:21:13 PM	MAPS	2				0
DET	IMG	2003000206666	1	ENTIRE LOT	6/17/2003	7/1/2003 3:47:06 PM	DEED, OTHER	6	T.J. ASSOCIATES LLC	FOREST LOTS LLC	✓	225,000
DET	IMG	4644/359	1	ENTIRE LOT		11/4/1999	RELEASE	5	FLUSH-BUSH DEVELOPMENT CORP	T J ASSOCIATES LLC		0
DET	IMG	4153/1647	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	NYC INDUSTRIAL DEVELOPMENT AGENCY	UNITED STATES TRUSTCOMPANY OF NEW YORK		0
DET	IMG	4153/1641	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	FINANCIAL SERVICES CORPORATION NYC CITY OF NEW YORK	✓	0
DET	IMG	4153/1635	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTYCO	CITY OF NEW YORK	✓	0
DET	IMG	4153/1633	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	2	E S NEWHOUSE REALTYCOMPANY	UNITED STATES TRUSTCOMPANY OF NY		0
DET	IMG	4153/1630	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC INDUSTRIAL DEVELOPMENT AGENCY	MADEMOISELLE KNITWEAR INC		0
DET	IMG	4153/1624	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	FINANCIAL SERVICES CORPORATION	NYCINDUSTRIAL DEVELOPMENT AGENCY	✓	0
DET	IMG	4153/1621	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	NYC MUNICIPAL CORPORATION OF THE STATE OF NY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1618	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	3	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY	MADEMOISELLE KNITWEAR INC	✓	0
DET	IMG	4153/1612	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	NYC INDUSTRIAL DEVELOPMENT		0
DET	IMG	4153/1606	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	MADEMOISELLE KNITWEAR INC	N/K/A NYC ECONOMIC DEVELOPMENT CORP	✓	0
DET	IMG	4153/1600	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	E S NEWHOUSE REALTY	FINANCIAL SERVICES CORPORATION OF NEW YORK CITY		0
DET	IMG	4153/1594	1	ENTIRE LOT		3/25/1998	SATISFACTION OF MORTGAGE	6	NYC INDUSTRIAL DEVELOPMENT AGENCY	CITY OF NEW YORK	✓	0
DET	IMG	4152/1885	1	ENTIRE LOT		3/25/1998	AGREEMENT	8	MADAMOISELLE KNITWEAR INC	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1835	1	ENTIRE LOT		3/25/1998	ASSIGNMENT, MORTGAGE	5	MARINE MIDLAND BANK	FLUSH-BUSH DEVELOPMENT CORP		0
DET	IMG	4152/1818	1	ENTIRE LOT	1/27/1998	3/25/1998	DEED	14	CITY OF NEW YORK	NYC ECONOMIC DEVELOPMENT CORPORATION		0
DET	IMG	4152/1808	1	ENTIRE LOT	1/27/1998	3/25/1998	DEED	10	NYC ECONOMIC DEVELOPMENT CORPORATION	MADEMOISELLE KNITWEAR, INC.		0
DET	IMG	4152/1804	1	ENTIRE LOT	1/27/1998	3/25/1998	DEED	8	MADEMOISELLE KNITWEAR, INC.	T.J. ASSOCIATES LLC		0
DET	IMG	2382/1785	1	ENTIRE LOT		5/2/1989	MORTGAGE	11	FINANCIAL SERV.CORP	MADEMOISELLE KNITWEAR	✓	1,000,000
DET	IMG	2382/1774	1	ENTIRE LOT		5/2/1989	MORTGAGE	11	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	30,000
DET	IMG	2382/1325	1	ENTIRE LOT		5/2/1989	AGREEMENT	49	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1308	1	ENTIRE LOT		5/2/1989	LEASE	17	NYC PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2382/1292	1	ENTIRE LOT		5/2/1989	LEASE	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2382/1281	1	ENTIRE LOT		5/2/1989	CONSENT	11	FINANCIAL SER CORP/NYC		✓	0
DET	IMG	2229/218	1	ENTIRE LOT		6/13/1988	AGREEMENT	10	FINANCIAL SERV CP/NYC	ISRAEL DISCOUNT BK/NY	✓	0
DET	IMG	2229/205	1	ENTIRE LOT		6/13/1988	MORTGAGE	13	CITY OF NEW YORK	MADEMOISELLE KNITWEAR	✓	3,000,000
DET	IMG	2229/191	1	ENTIRE LOT		6/13/1988	MORTGAGE	14	FINANCIAL SERV.CORP	N.Y.C.INDUST.DVLPT AGE'Y		1,000,000
DET	IMG	2229/168	1	ENTIRE LOT		6/13/1988	MORTGAGE	23	FINANCIAL SERV CORP	ISRAEL DISCOUNT BANK/NY	✓	4,500,000
DET	IMG	2229/161	1	ENTIRE LOT		6/13/1988	MORTGAGE	7	MADEMOISELLE KNITWEAR	MARINE MIDLAND BANK	✓	4,500,000
DET	IMG	2229/138	1	ENTIRE LOT		6/13/1988	LEASE	23	FINANACIAL SER.CORP	ISRAEL DISCOUNT BK OF NY	✓	0
DET	IMG	2229/86	1	ENTIRE LOT		6/13/1988	LEASE	52	N.Y.C.PUBLIC DVLPT CORP	MADEMOISELLE KNITWEAR		0
DET	IMG	2229/69	1	ENTIRE LOT		6/13/1988	LEASE	18	CITY OF NEW YORK	N.Y.C.PUBLIC DVLPE CP		0
DET	IMG	2143/1824	1	ENTIRE LOT		12/18/1987	AGREEMENT	21	N.Y.C.PUBLIC DVLPT CP	KNITWEAR, MADEMOISELLE	✓	0
DET	IMG	2143/1808	1	ENTIRE LOT		12/18/1987	AGREEMENT	16	MADEMOISELLE KNITWEAR IN	MARINE MIDLAND BANKNA	✓	0
DET	IMG	2143/1763	1	ENTIRE LOT		12/18/1987	AGREEMENT	45	FINANCIAL SERV CORP/NY	NYC PUBLIC DVLPT CORP	✓	0
DET	IMG	2137/391	1	ENTIRE LOT		12/8/1987	MORTGAGE	11	NYC INDUSTRIAL DVLPGCY	MADEMOISELLE KNITWEAR		3,000,000
DET	IMG	2137/366	1	ENTIRE LOT		12/8/1987	MORTGAGE	25	NEWHOUSE,MADEMOISELLE KN	FINANCIAL SERVS CP NY		1,000,000

<a href="#">DET</a>	<a href="#">IMG</a>	2137/356	1	ENTIRE LOT	12/8/1987	MORTGAGE	10	MADemoiselle KNITWEAR IN	FINANCIAL SERV		1,000,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2137/281	1	ENTIRE LOT	12/8/1987	MORTGAGE	75	MADemoiselle KNITWEAR IN	CITY OF NY		3,000,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2137/237	1	ENTIRE LOT	12/8/1987	MORTGAGE	45	MADemoiselle KNITWEAR IN	MARINE MIDLAND BANK		529,650	
<a href="#">DET</a>	<a href="#">IMG</a>	2134/28	1	ENTIRE LOT	12/4/1987	ASSIGNMENT, MORTGAGE	18	E S NEWHOUSE RLTY CO	MADemoiselle KNITWEAR IN		0	
<a href="#">DET</a>	<a href="#">IMG</a>	2005/2225	1	ENTIRE LOT	4/14/1987	MORTGAGE	24	E S NEWHOUSE RLTY CO	FINANCIAL SERV/CORP/NYC	✓	1,000,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2005/2151	1	ENTIRE LOT	4/14/1987	MORTGAGE	74	E S NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	3,000,000	
<a href="#">DET</a>	<a href="#">IMG</a>	2005/2139	1	ENTIRE LOT	4/14/1987	AGREEMENT	12	E.S. NEWHOUSE RLTY CO	CITY OF NEW YORK	✓	0	
<a href="#">DET</a>	<a href="#">IMG</a>	1700/333	1	ENTIRE LOT	9/26/1985	MORTGAGE	118	NYC INDUST DVLPA AGENCY	UNITED STATES TRST CO		4,500,000	
<a href="#">DET</a>	<a href="#">IMG</a>	1700/305	1	ENTIRE LOT	9/26/1985	MORTGAGE	32	E.S. NEWHOUSE RLTY CO	UNITED STATES TR CO/NY		4,500,000	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/880	1	ENTIRE LOT	9/20/1985	AGREEMENT	26	E S NEWHOUSE RLTY CO	MADemoiselle KNITWEAR		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/800	1	ENTIRE LOT	9/20/1985	LEASE	87	NYC INDUSTRIAL DVLPA AGENCY	E.S. NEWHOUSE RLTY CO		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/789	1	ENTIRE LOT	9/20/1985	AGREEMENT	12	E S NEWHOUSE RLTY CO	NEW YORK C INDUST/DVLP		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/606	1	ENTIRE LOT	9/20/1985	LEASE	190	NEW YORK C PUB/DVLP TPCP	E S NEWHOUSE RLTY CO		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/534	1	ENTIRE LOT	9/20/1985	LEASE	76	CITY OF NEW YORK	PUBLIC DVLPCORP		0	
<a href="#">DET</a>	<a href="#">IMG</a>	1697/528	1	ENTIRE LOT	9/20/1985	DECLARATION	6	CITY OF NEW YORK			0	
<a href="#">DET</a>	<a href="#">IMG</a>	1079/50	1	ENTIRE LOT	6/14/1979	6/14/1979	DEED	52	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK	✓ ✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	869/426	1	ENTIRE LOT	9/1/1976	9/1/1976	DEED	2	DIGIOVANNA JOHN ESQ REF	C&A CONSTRUCTION CORP	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	641/121	1	ENTIRE LOT	6/22/1973	6/22/1973	MORTGAGE	5	ESENAREF RLTY CORP	C&A CONSTRUCTION CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	641/119	1	ENTIRE LOT	6/22/1973	6/22/1973	DEED	2	C&A CONSTRUCTION CORP	ESENAREF RLTY CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	384/918	1	ENTIRE LOT	12/24/1969	12/24/1969	DEED	2	GREENTHAL STANLEY J	C & A CONSTRUCTION CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	384/913	1	ENTIRE LOT	12/24/1969	12/24/1969	MORTGAGE	6	C & A CONSTRUCTION CORP	GREENTHAL STANLEY J		0
<a href="#">DET</a>	<a href="#">IMG</a>	375/727	1	ENTIRE LOT	11/12/1969	11/12/1969	DEED	2	GREENLASH OPERATING CORP	GREENTHAL STANLEY J		0
<a href="#">DET</a>	<a href="#">IMG</a>	320/1294	1	ENTIRE LOT	3/18/1969	3/18/1969	SUNDRY AGREEMENT	8	ZUCKERMAN GEORGE		✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	318/1674	1	ENTIRE LOT	3/11/1969	3/11/1969	ASSIGNMENT, MORTGAGE	2	GREENTHAL STANLEY J	ZUCKERMAN GEORGE		0
<a href="#">DET</a>	<a href="#">IMG</a>	318/1672	1	ENTIRE LOT	3/11/1969	3/11/1969	ASSIGNMENT, MORTGAGE	2	LANDAU ROSE	GREENTHAL STANLEY J	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	318/1670	1	ENTIRE LOT	3/11/1969	3/11/1969	ASSIGNMENT, MORTGAGE	2	ZUCKERMAN GEORGE	GREENTHAL STANLEY J		0
<a href="#">DET</a>	<a href="#">IMG</a>	318/1666	1	ENTIRE LOT	3/11/1969	3/11/1969	MORTGAGE	4	GREENLASH OPERATING CORP	ZUCKERMAN GEORGE		0
<a href="#">DET</a>	<a href="#">IMG</a>	652/343	1	ENTIRE LOT	2/15/1968	2/15/1968	RELEASE	7	CITY OF NEW YORK	GREENLASH OPERATING CORP		0
<a href="#">DET</a>	<a href="#">IMG</a>	652/339	1	ENTIRE LOT	2/15/1968	2/15/1968	MORTGAGE	4	GREENLASH OPERATING CORP	ZUCKERMAN GEORGE	✓	0
<a href="#">DET</a>	<a href="#">IMG</a>	423/160	1	ENTIRE LOT	5/11/1967	5/11/1967	DEED	14	GOODMAN ROY M	CITY OF NY	✓	0

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# APPENDIX C

## SANBORN MAPS



**Block 3141**

501 Bushwick Avenue  
Brooklyn, NY 11206

Inquiry Number: 4176686.3  
January 08, 2015

## Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor  
Shelton, Connecticut 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

1/08/15

**Site Name:**

Block 3141  
501 Bushwick Avenue  
Brooklyn, NY 11206

**Client Name:**

Env. Business Consultants  
1808 Middle Country Road  
Ridge, NY 11961



EDR Inquiry # 4176686.3

Contact: Kevin Brussee

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### Certified Sanborn Results:

**Site Name:** Block 3141  
**Address:** 501 Bushwick Avenue  
**City, State, Zip:** Brooklyn, NY 11206  
**Cross Street:**  
**P.O. #** NA  
**Project:** NA  
**Certification #** CB7B-4B6E-8CAE



Sanborn® Library search results  
Certification # CB7B-4B6E-8CAE

**Maps Provided:**

2007	2001	1991	1982	1965
2006	1996	1989	1981	1951
2005	1995	1988	1980	1950
2004	1994	1987	1979	1947
2003	1993	1986	1977	1935
2002	1992	1984	1968	1933

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- Library of Congress
- University Publications of America
- EDR Private Collection

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## Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 2007 Source Sheets



Volume 3, Sheet 48



Volume 9, Sheet 7

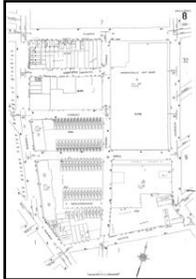


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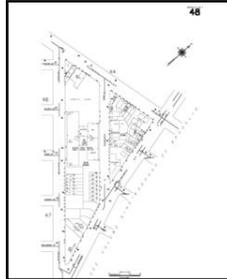
### 2006 Source Sheets



Volume 9, Sheet 7



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Volume 3, Sheet 48

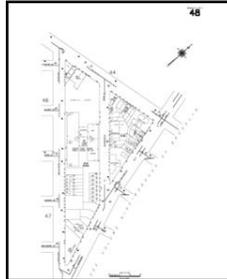
### 2005 Source Sheets



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### 2004 Source Sheets



Volume 3, Sheet 48



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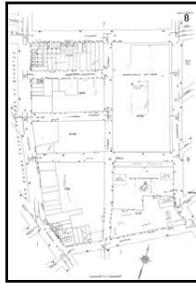


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**2003 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**2002 Source Sheets**



Volume 3, Sheet 48



Volume 9, Sheet 7

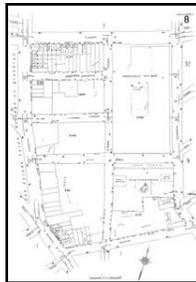


Volume 9, Sheet 8

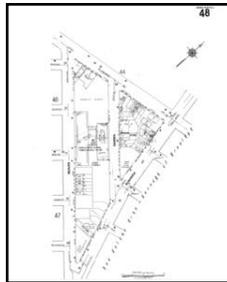
**2001 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1996 Source Sheets**



Volume 3, Sheet 48

**1995 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1994 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8

**1993 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1992 Source Sheets**



Volume 3, Sheet 48



Volume 9, Sheet 7



Volume 9, Sheet 8

**1991 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

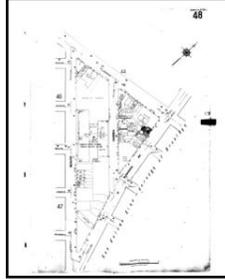
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Volume 9, Sheet 7

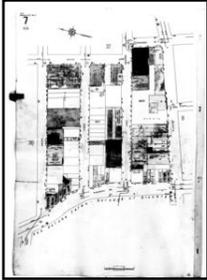


Volume 9, Sheet 8

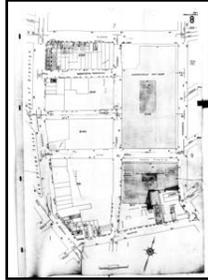


Volume 3, Sheet 48

**1988 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8

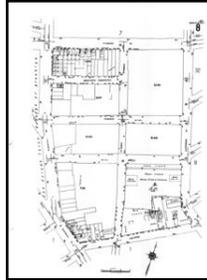
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Volume 3, Sheet 48



Volume 9, Sheet 7

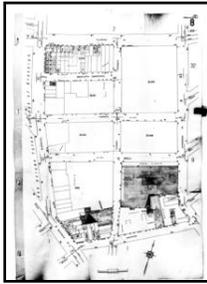


Volume 9, Sheet 8

**1986 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1984 Source Sheets**



Volume 3, Sheet 48

**1982 Source Sheets**



Volume 3, Sheet 48



Volume 9, Sheet 7



Volume 9, Sheet 8

**1981 Source Sheets**



Volume 3, Sheet 48



Volume 9, Sheet 7



Volume 9, Sheet 8

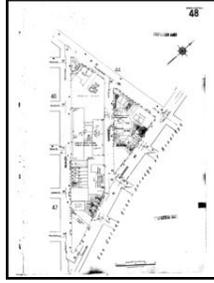
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Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1979 Source Sheets**



Volume 3, Sheet 48



Volume 9, Sheet 7



Volume 9, Sheet 8

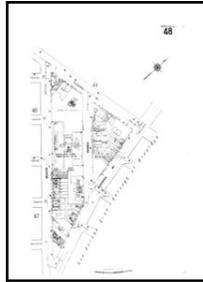
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Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1968 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8

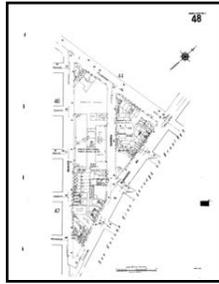
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Volume 9, Sheet 7



Volume 9, Sheet 8



Volume 3, Sheet 48

**1951 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8

**1950 Source Sheets**



Volume 3, Sheet 48

**1947 Source Sheets**



Volume 3, Sheet 48

**1935 Source Sheets**



Volume 3, Sheet 48

**1933 Source Sheets**



Volume 9, Sheet 7



Volume 9, Sheet 8

**1918 Source Sheets**



Volume 3, Sheet 48

**1907 Source Sheets**



Volume 9, Sheet 14



Volume 9, Sheet 15

**1904 Source Sheets**



Volume 3, Sheet 48

**1888 Source Sheets**



Volume 9, Sheet 250



Volume 9, Sheet 251

**1887 Source Sheets**



Volume 3, Sheet 70



Volume 3, Sheet 84

# 2007 Certified Sanborn Map

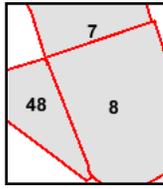
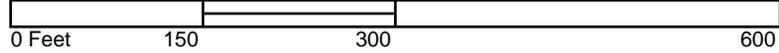
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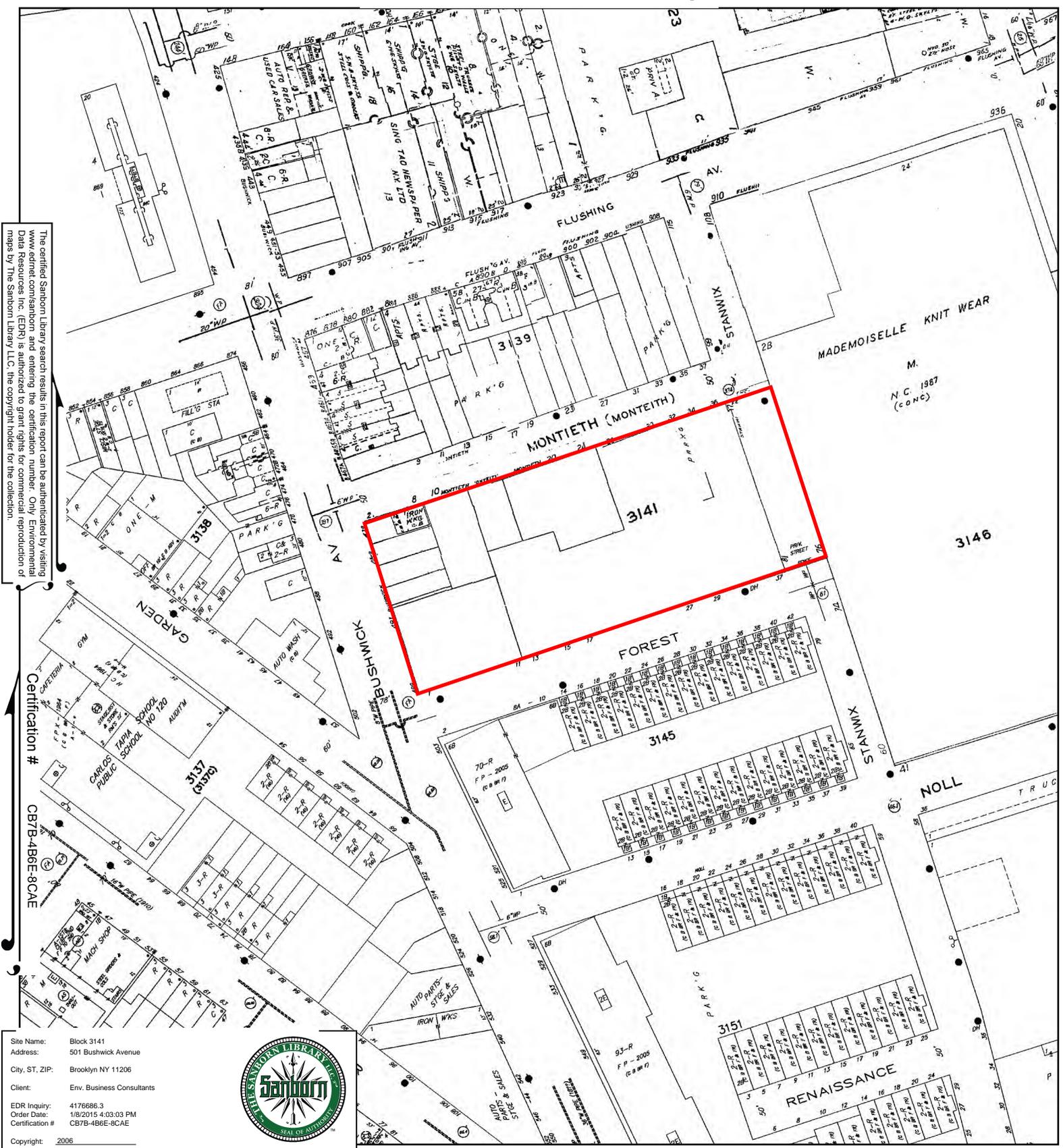


Volume 3, Sheet 48  
 Volume 9, Sheet 7  
 Volume 9, Sheet 8



# 2006 Certified Sanborn Map

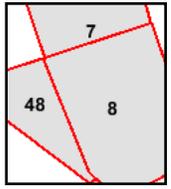
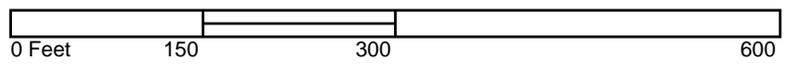
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 Copyright: 2006



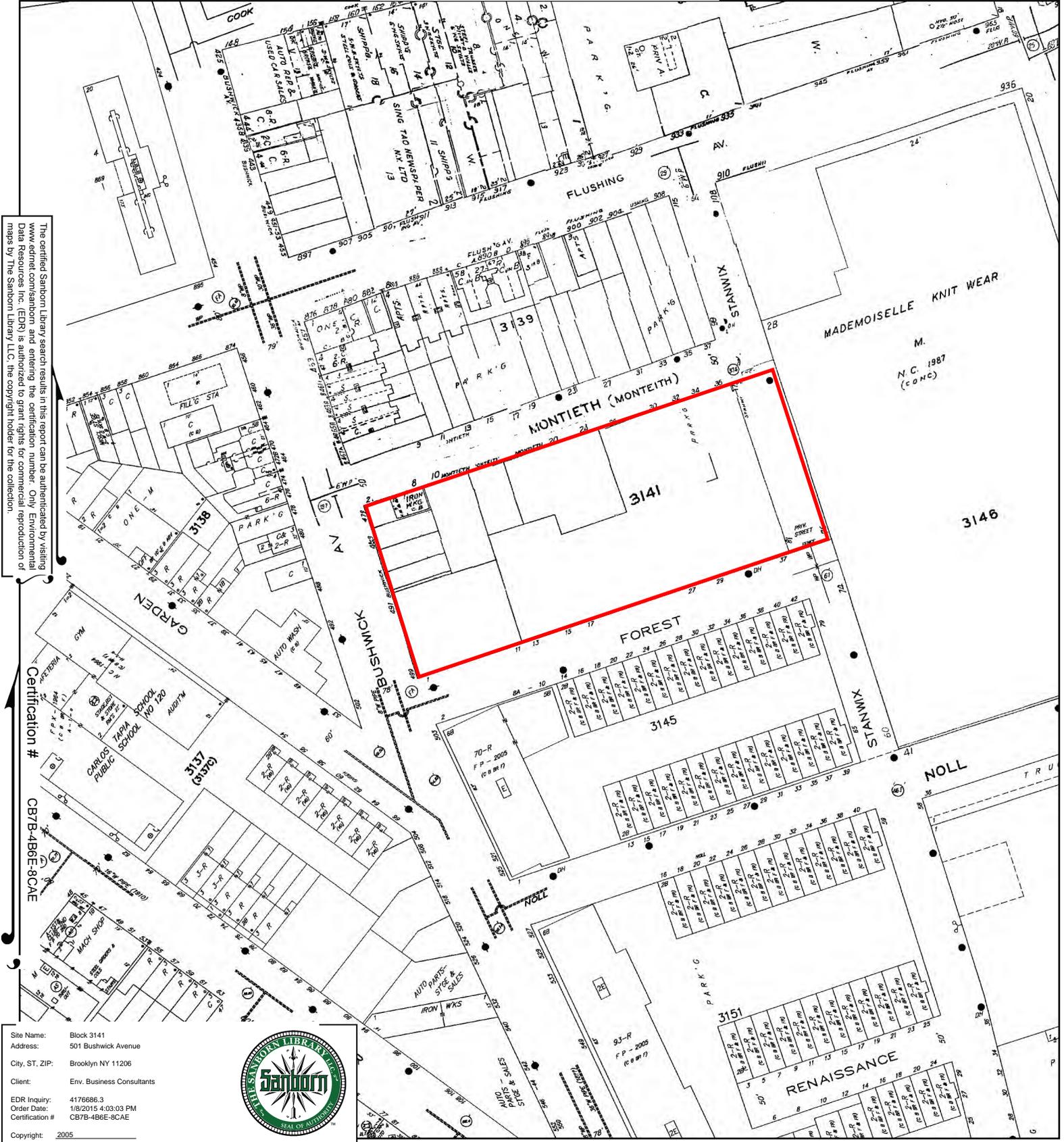
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# 2005 Certified Sanborn Map



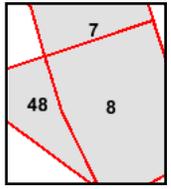
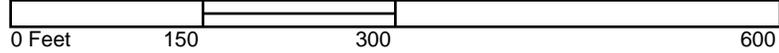
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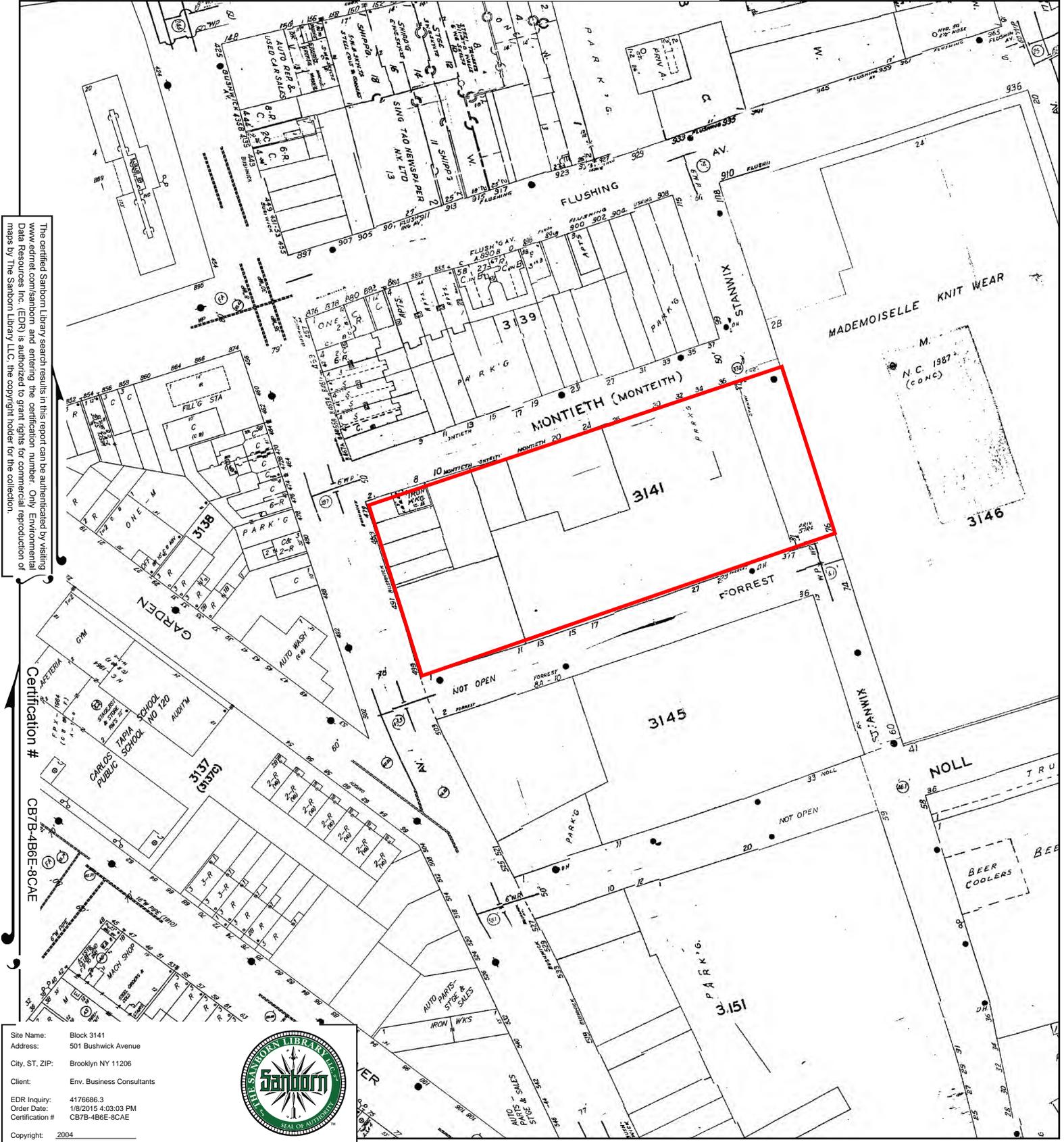
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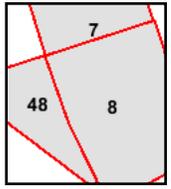
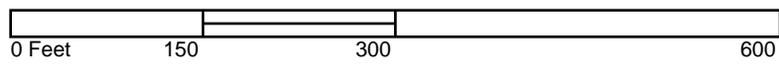
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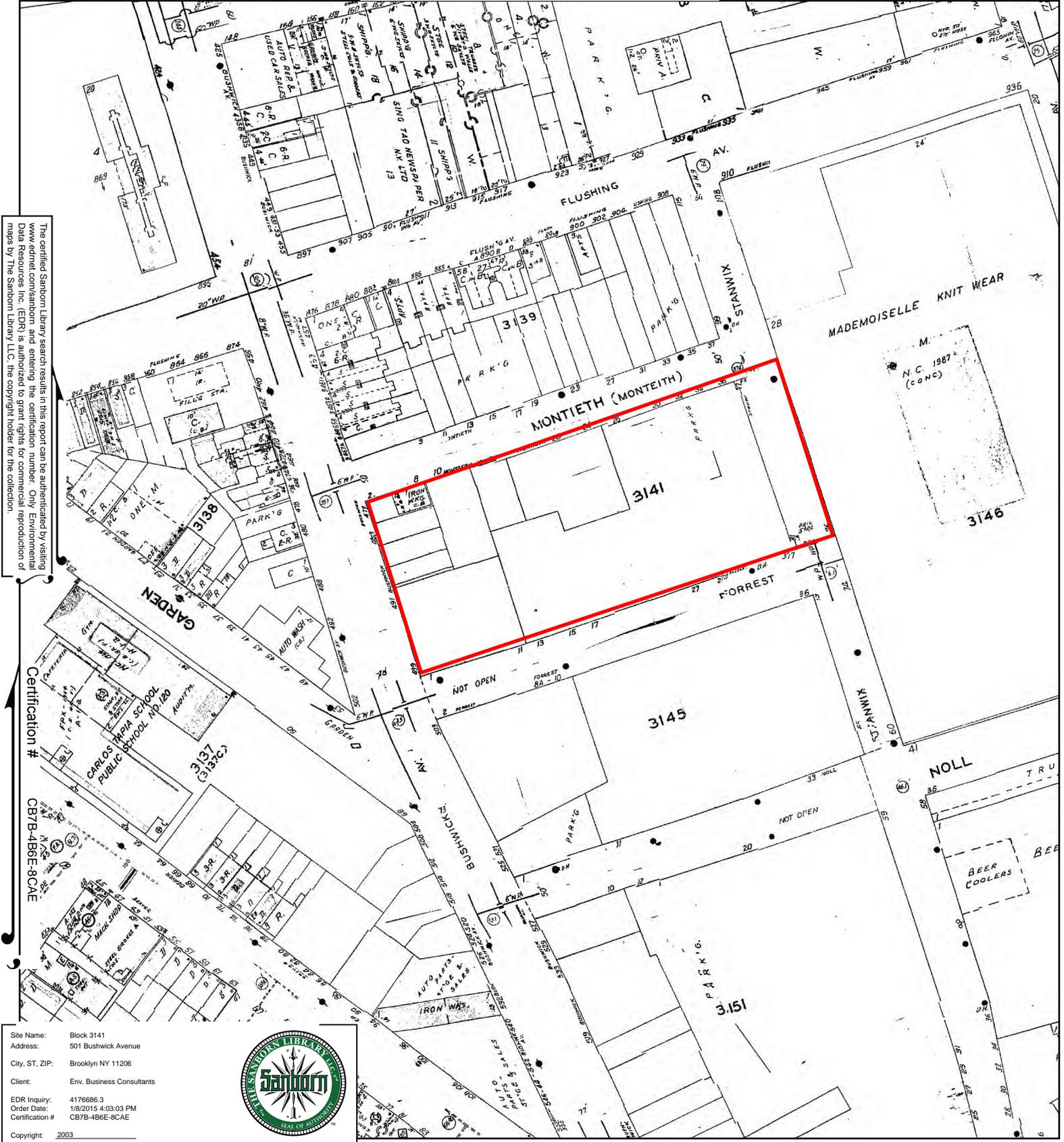
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# 2003 Certified Sanborn Map



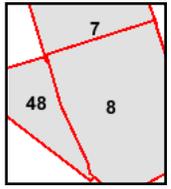
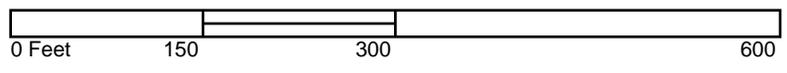
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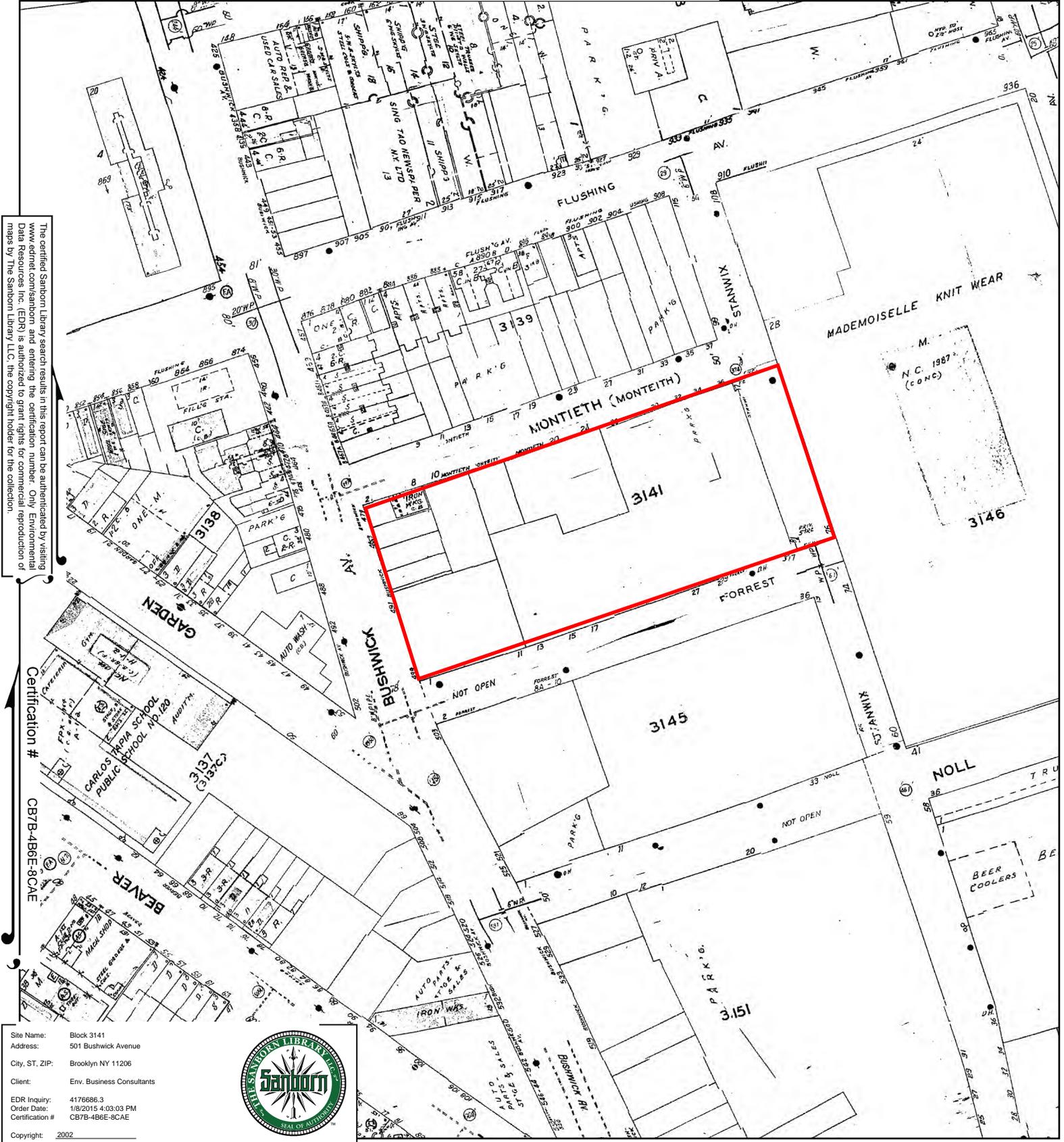
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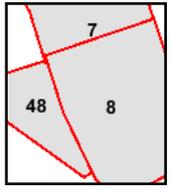
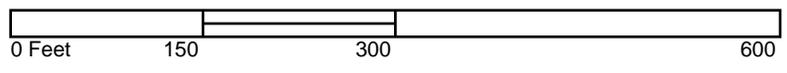
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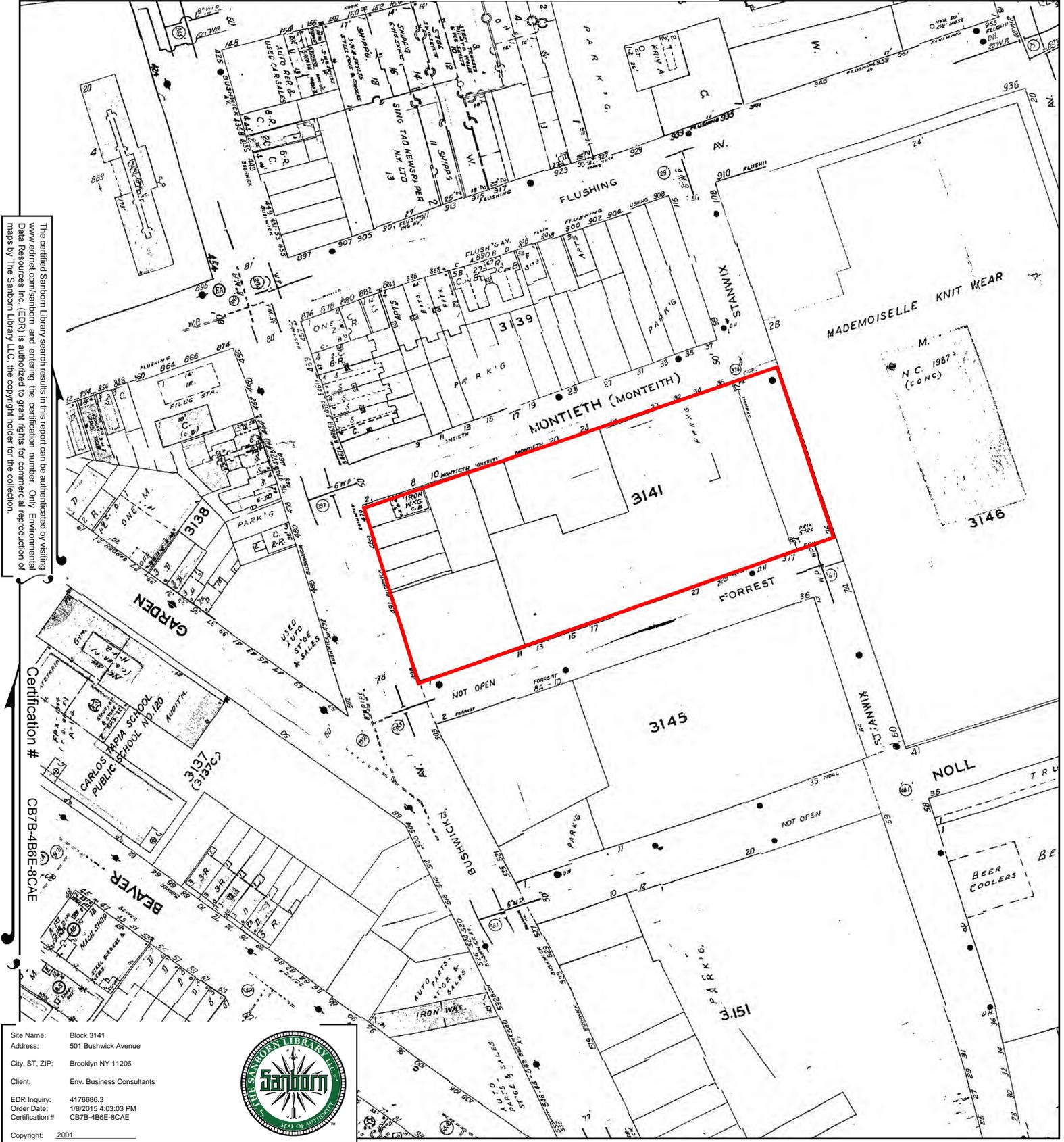
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# 2001 Certified Sanborn Map



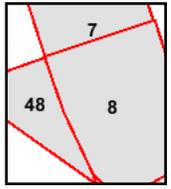
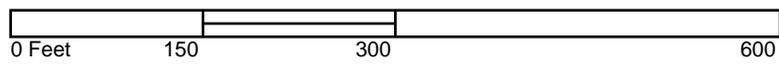
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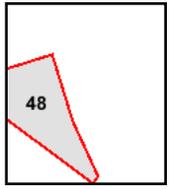
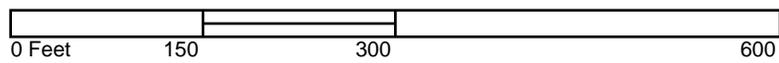


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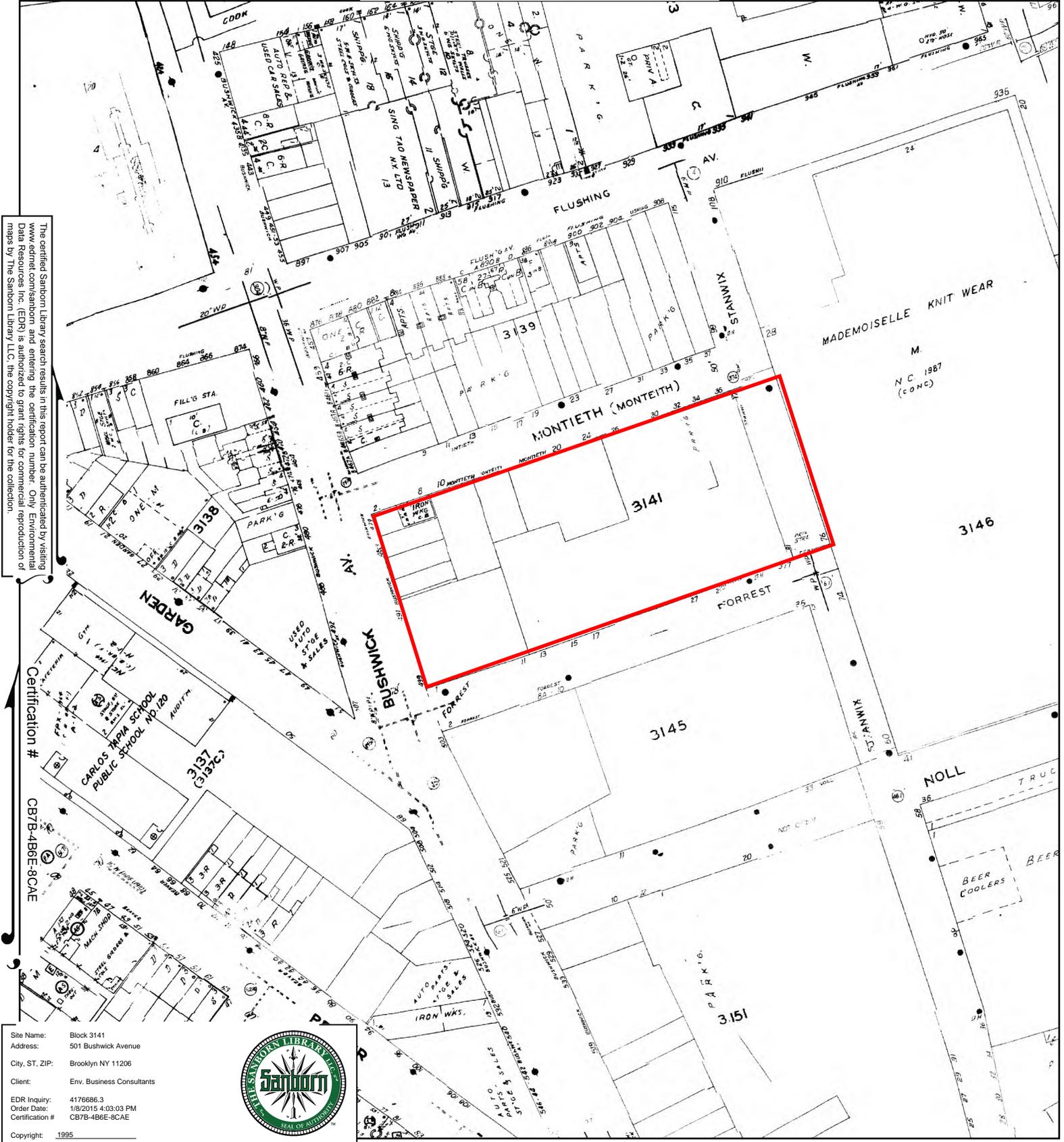
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# 1995 Certified Sanborn Map



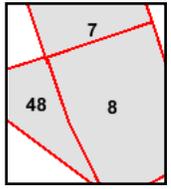
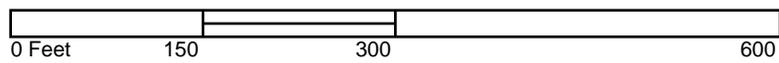
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# 1994 Certified Sanborn Map

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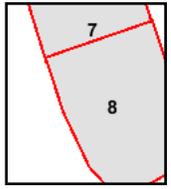
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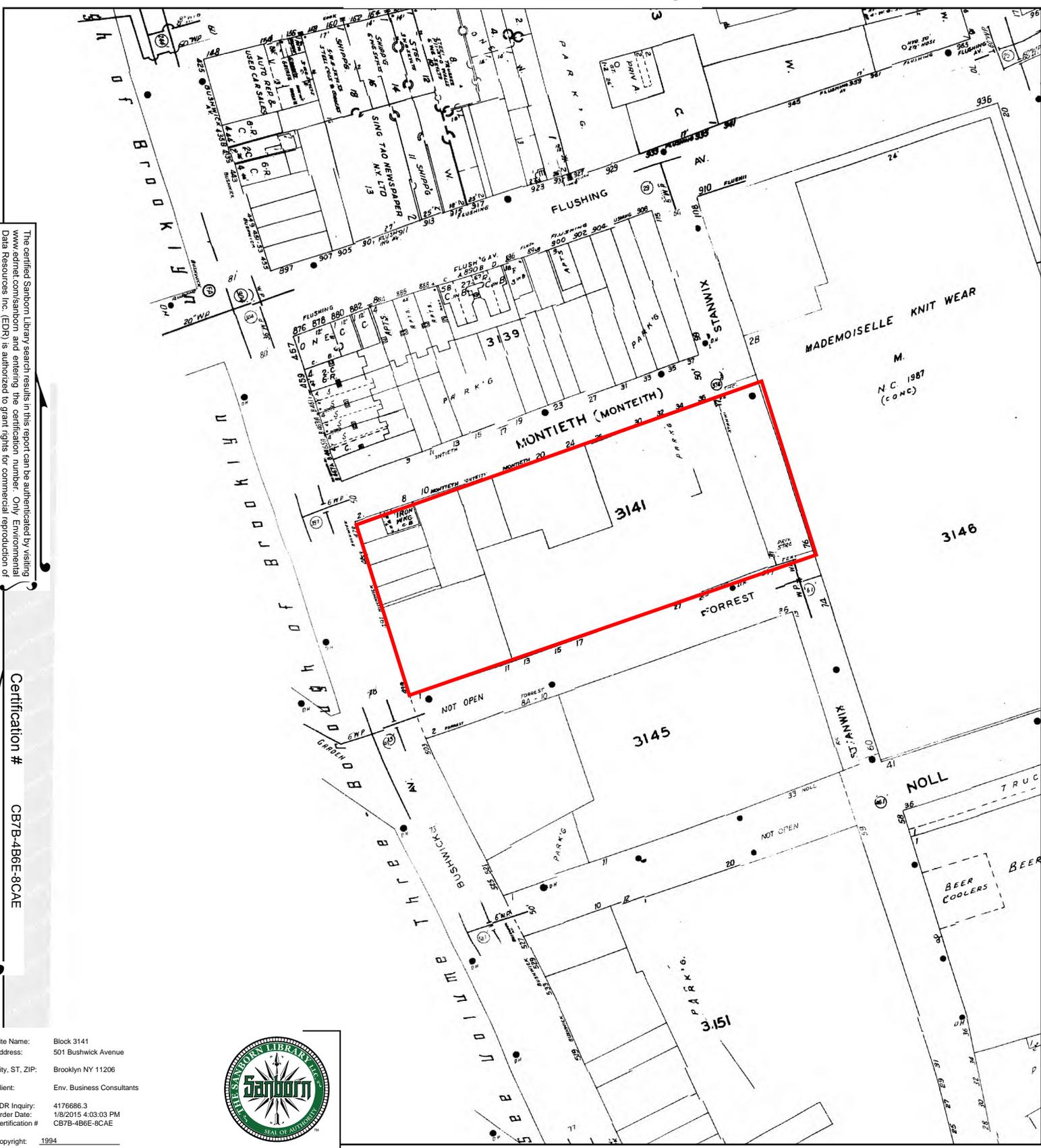
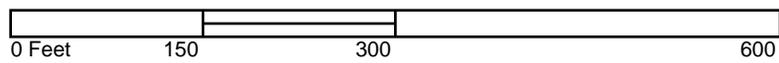


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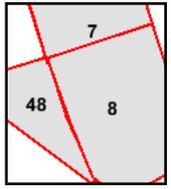
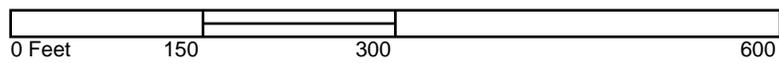
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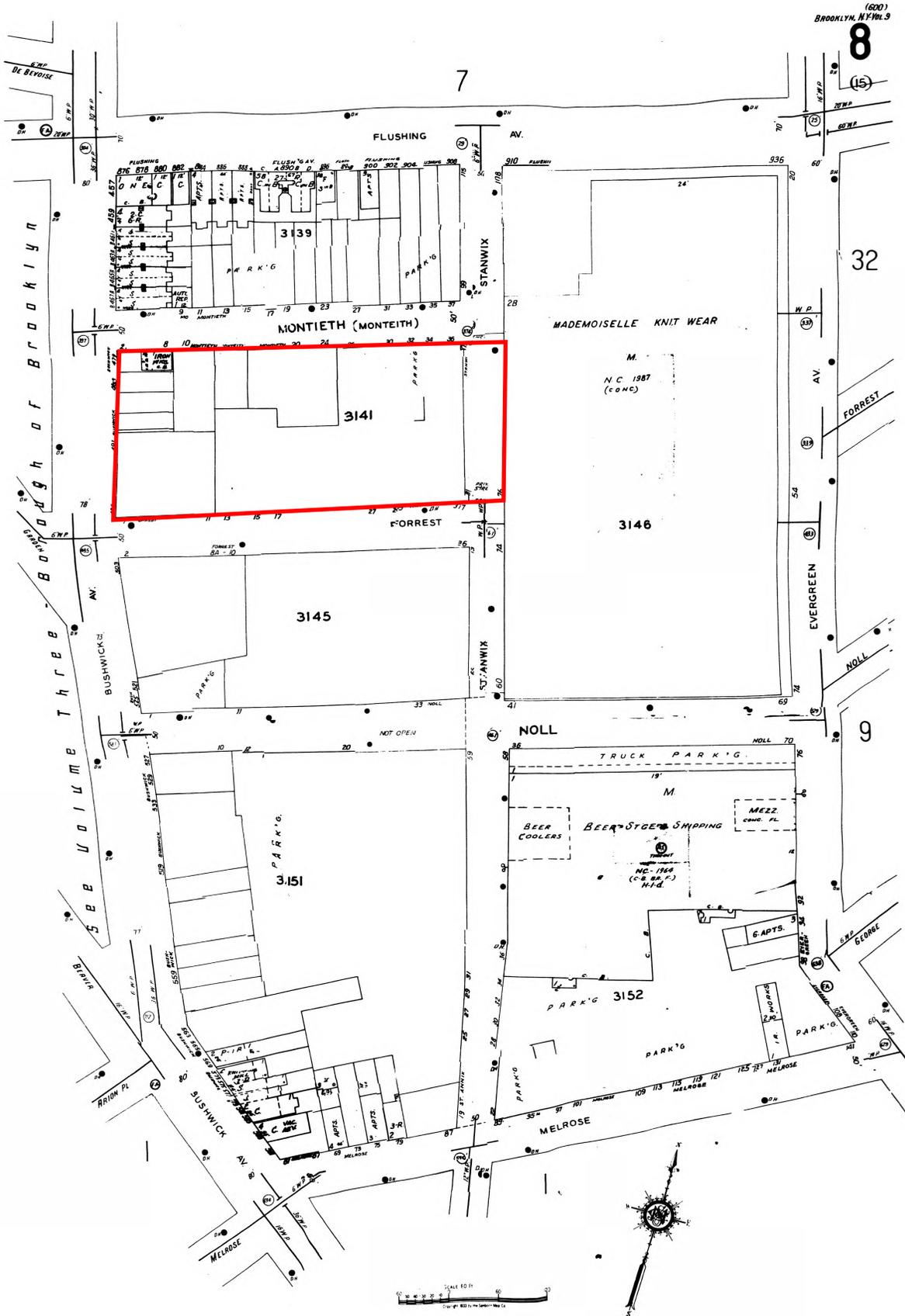
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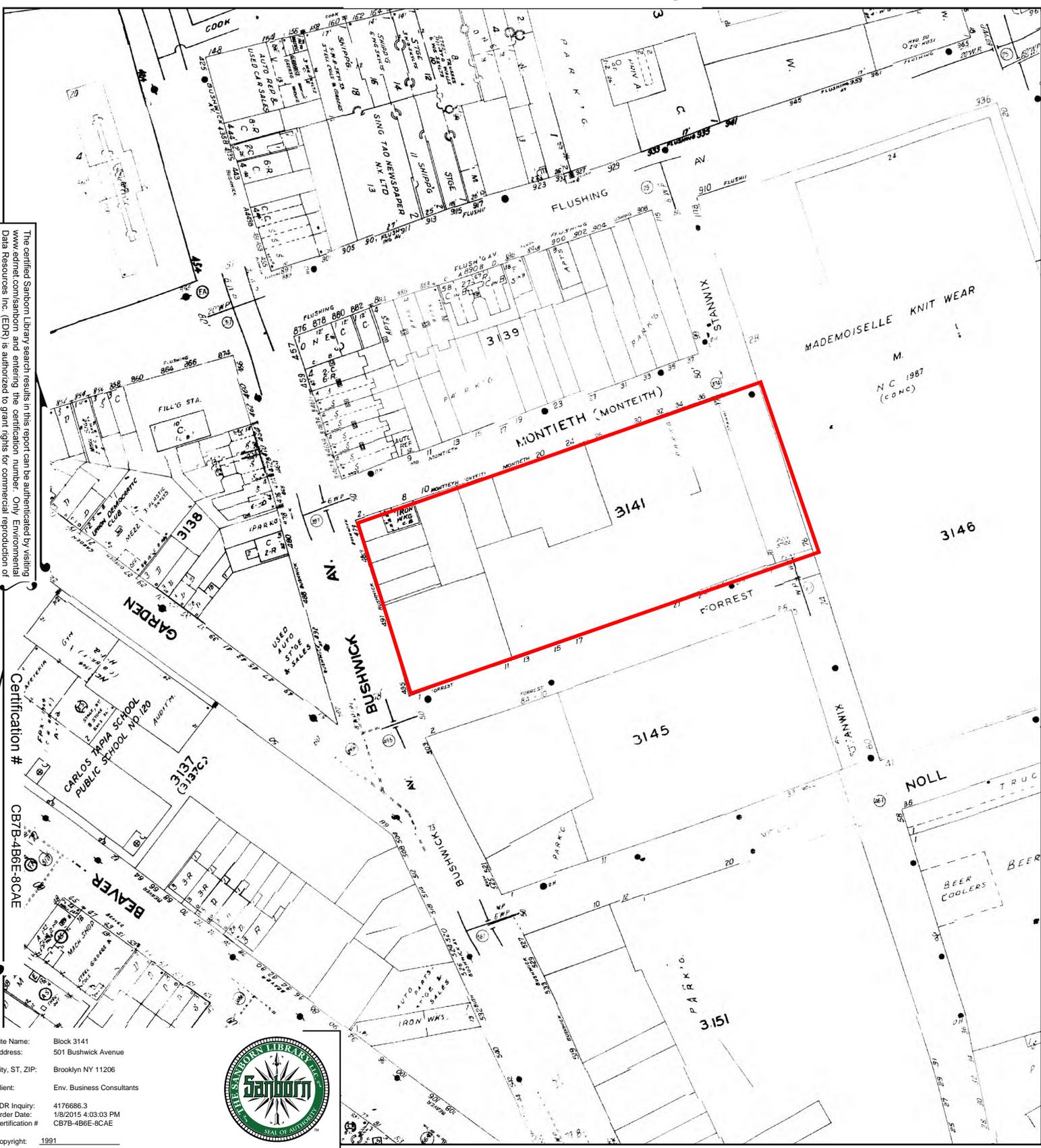
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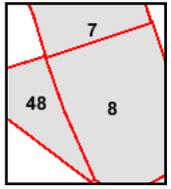
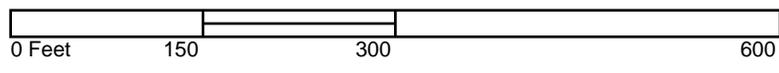
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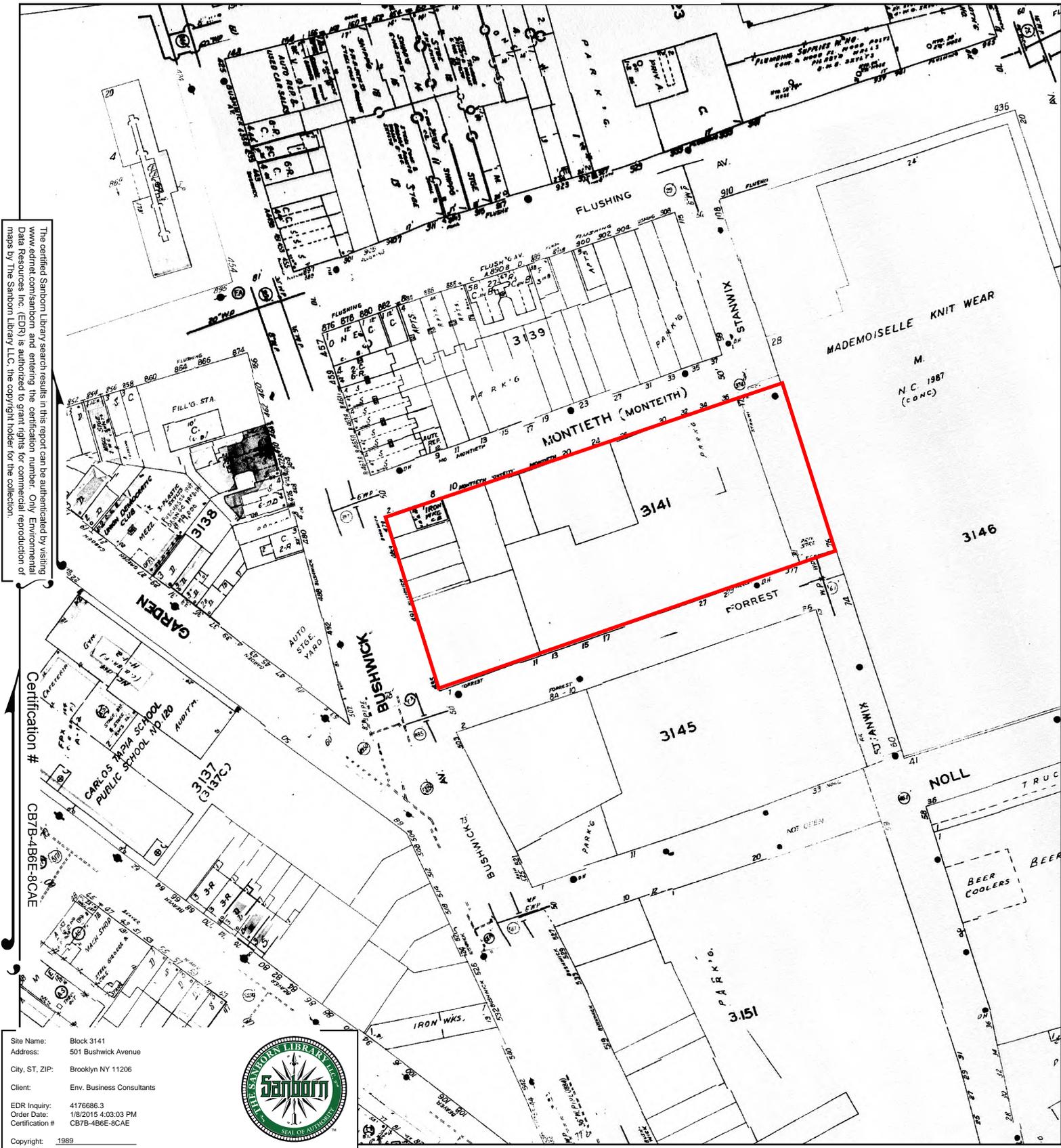
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# 1989 Certified Sanborn Map



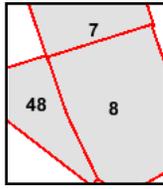
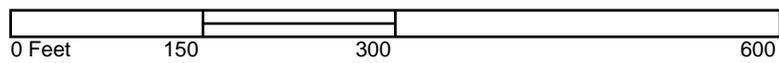
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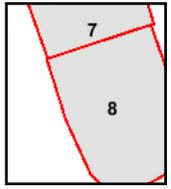
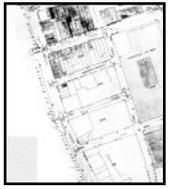
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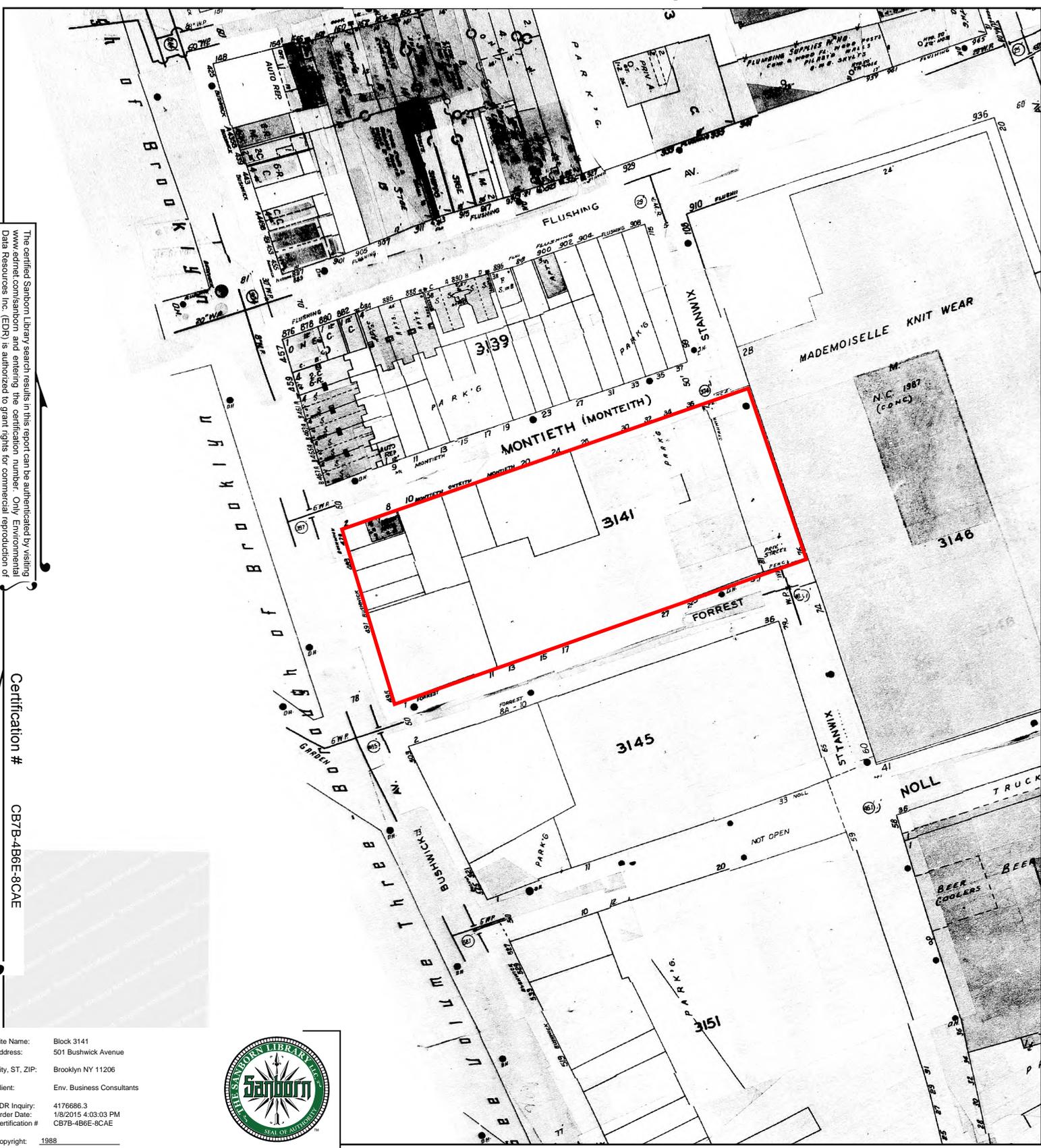
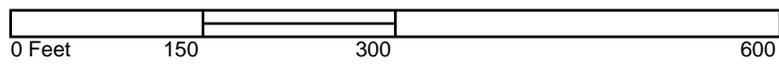
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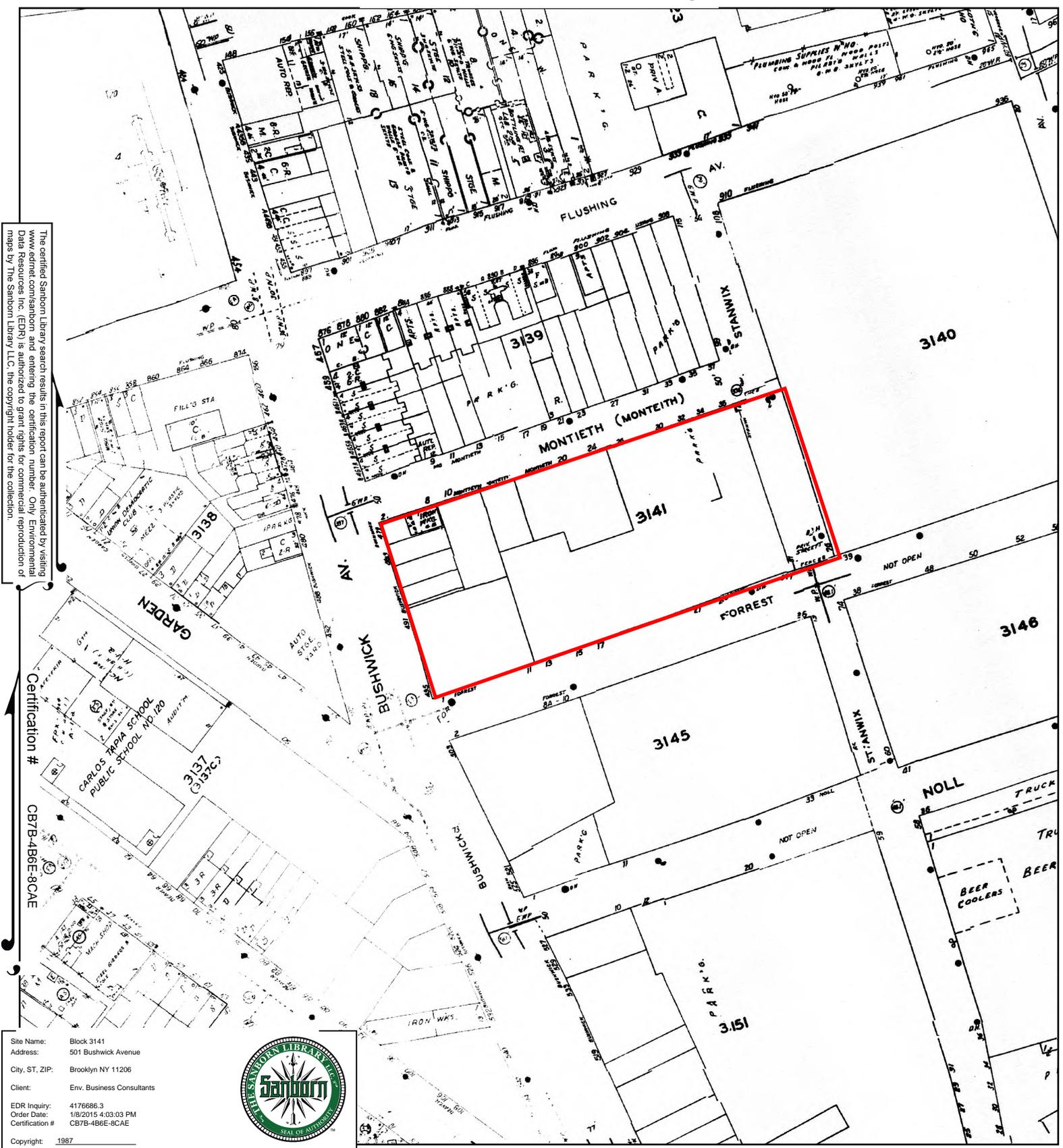


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# 1987 Certified Sanborn Map

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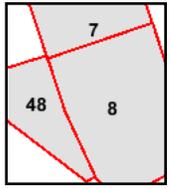
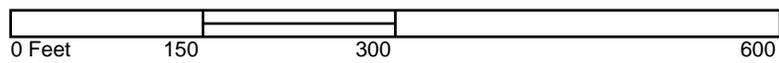
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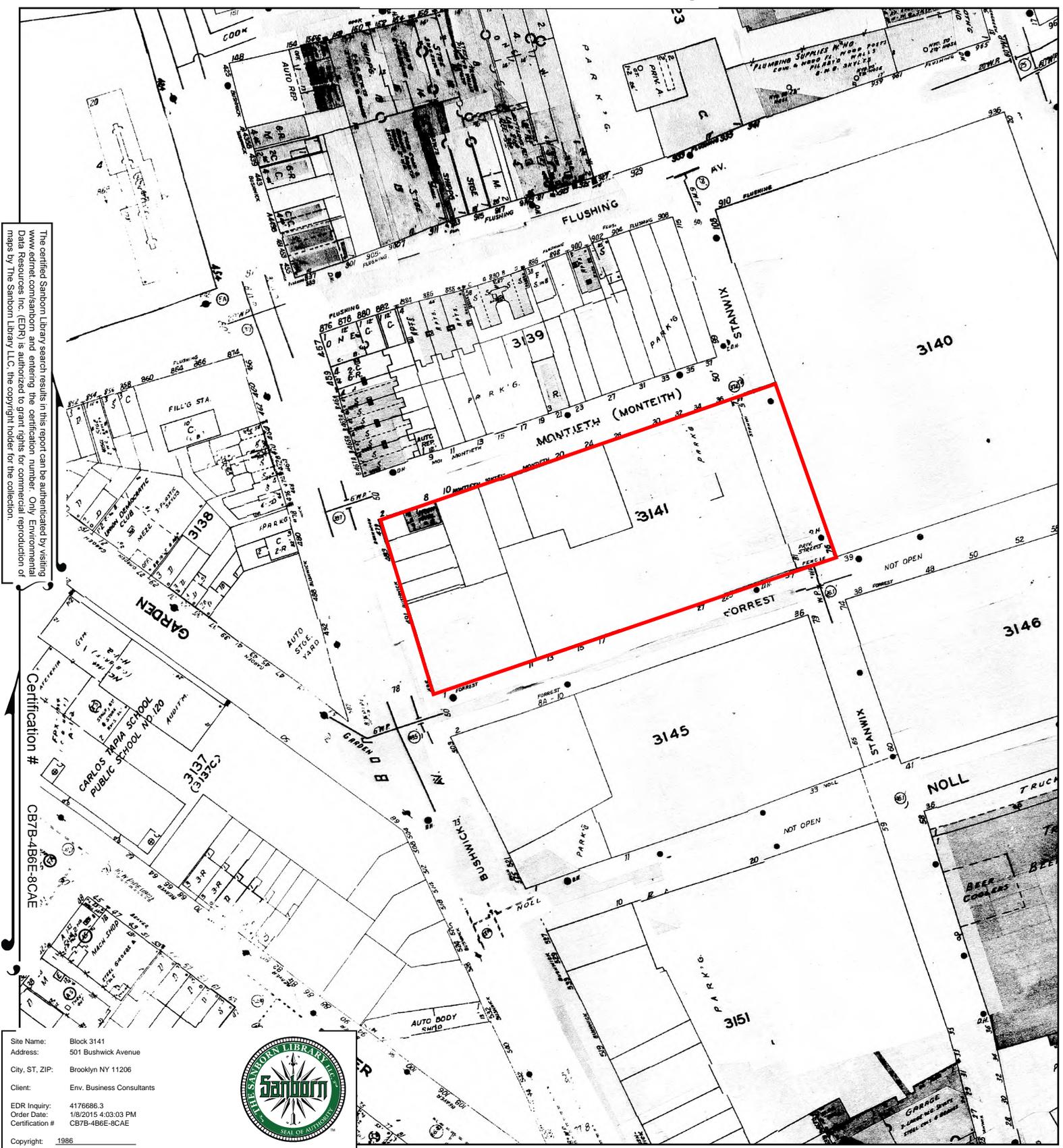


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Volume 9, Sheet 7  
Volume 9, Sheet 8



# 1986 Certified Sanborn Map

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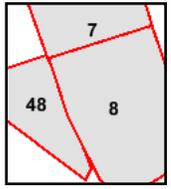
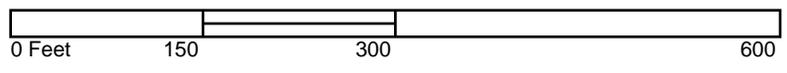


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 Copyright: 1986



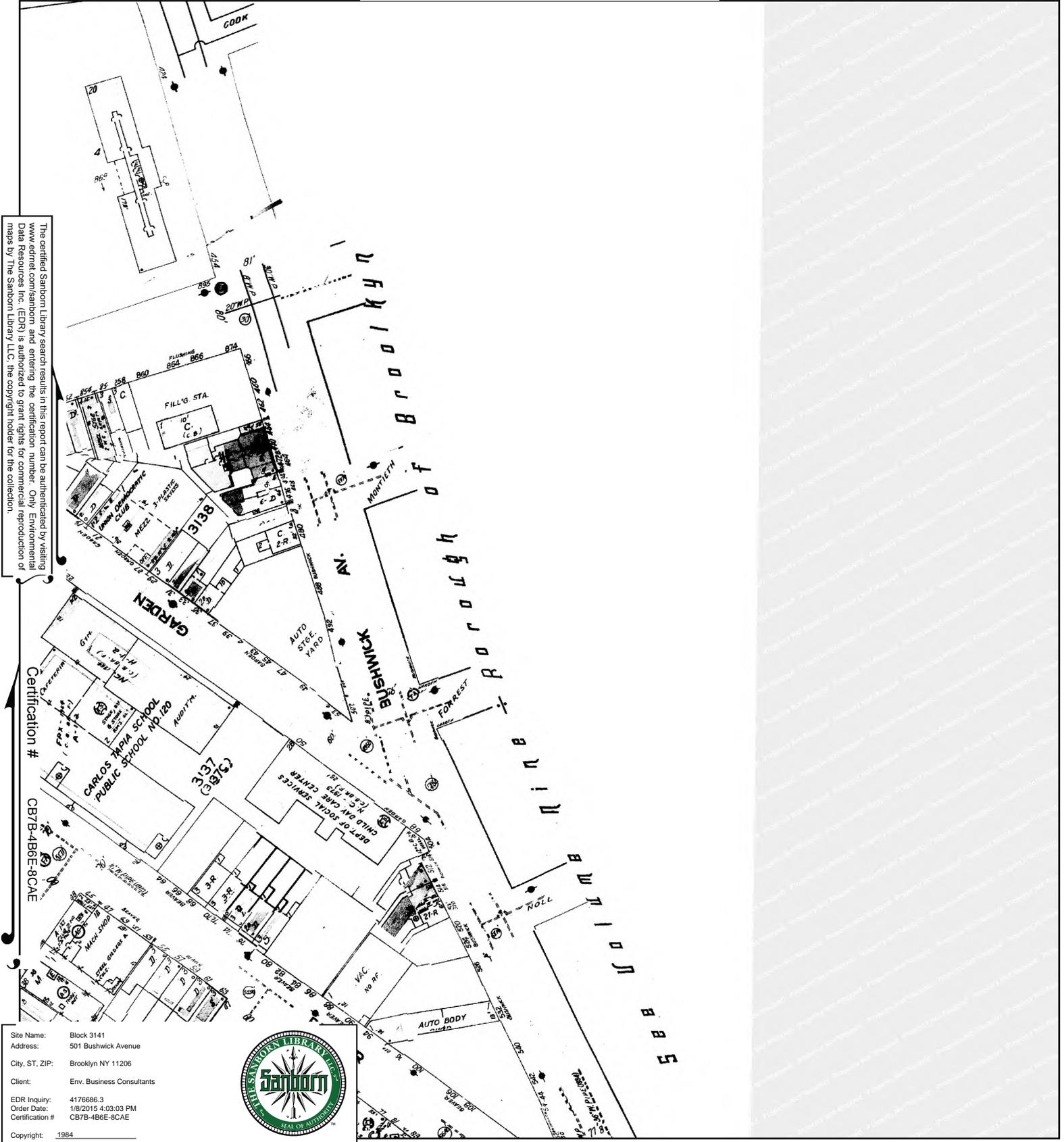
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# 1984 Certified Sanborn Map



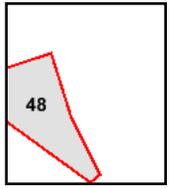
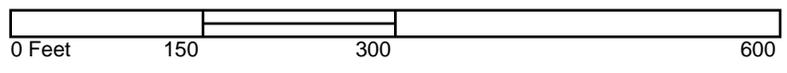
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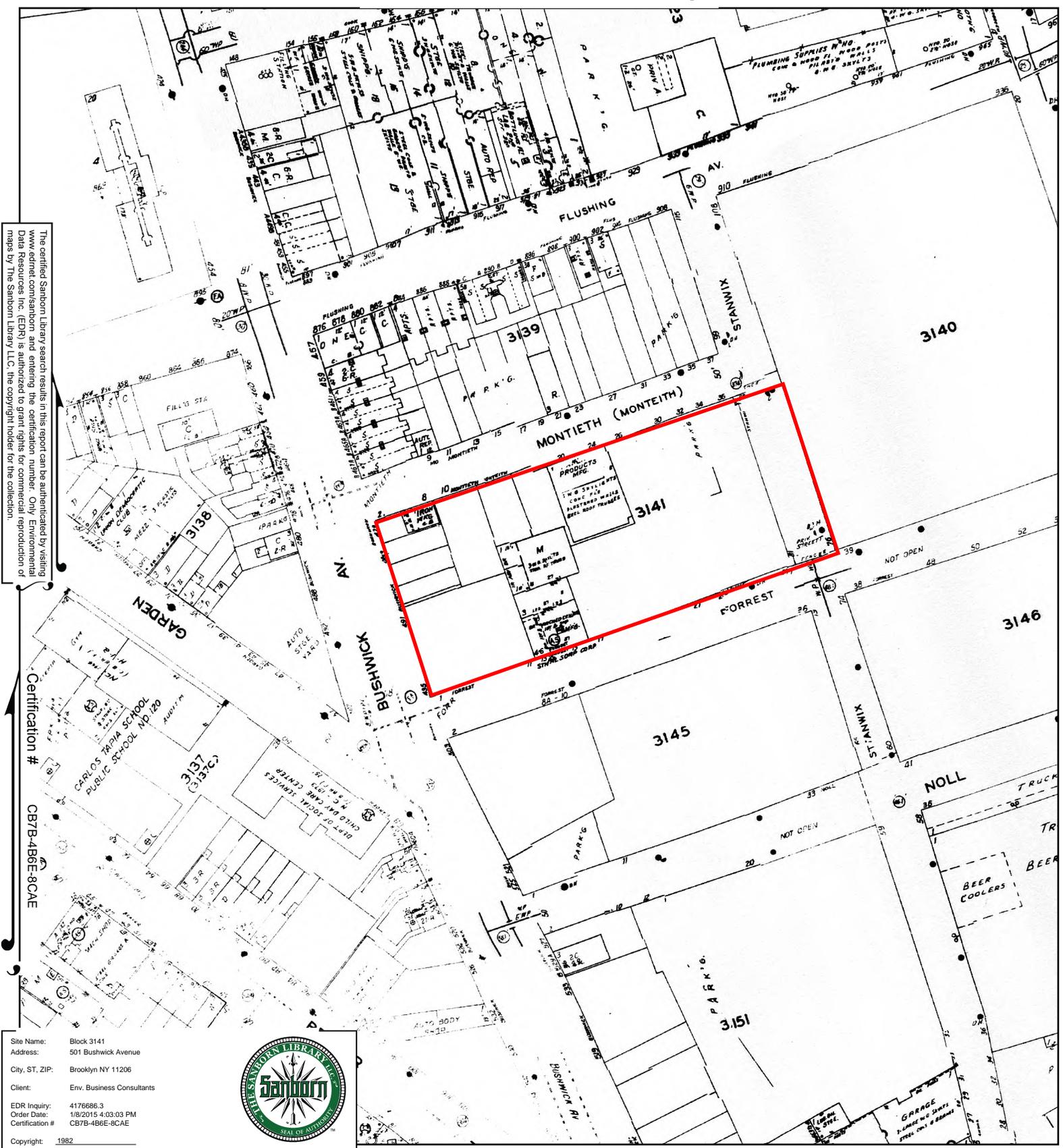


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# 1982 Certified Sanborn Map

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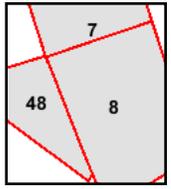
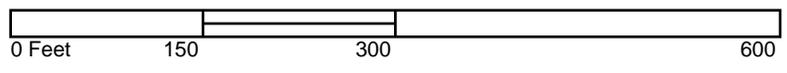


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# 1981 Certified Sanborn Map

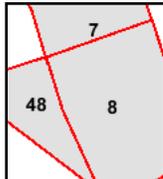
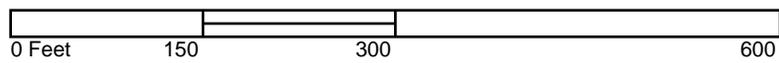
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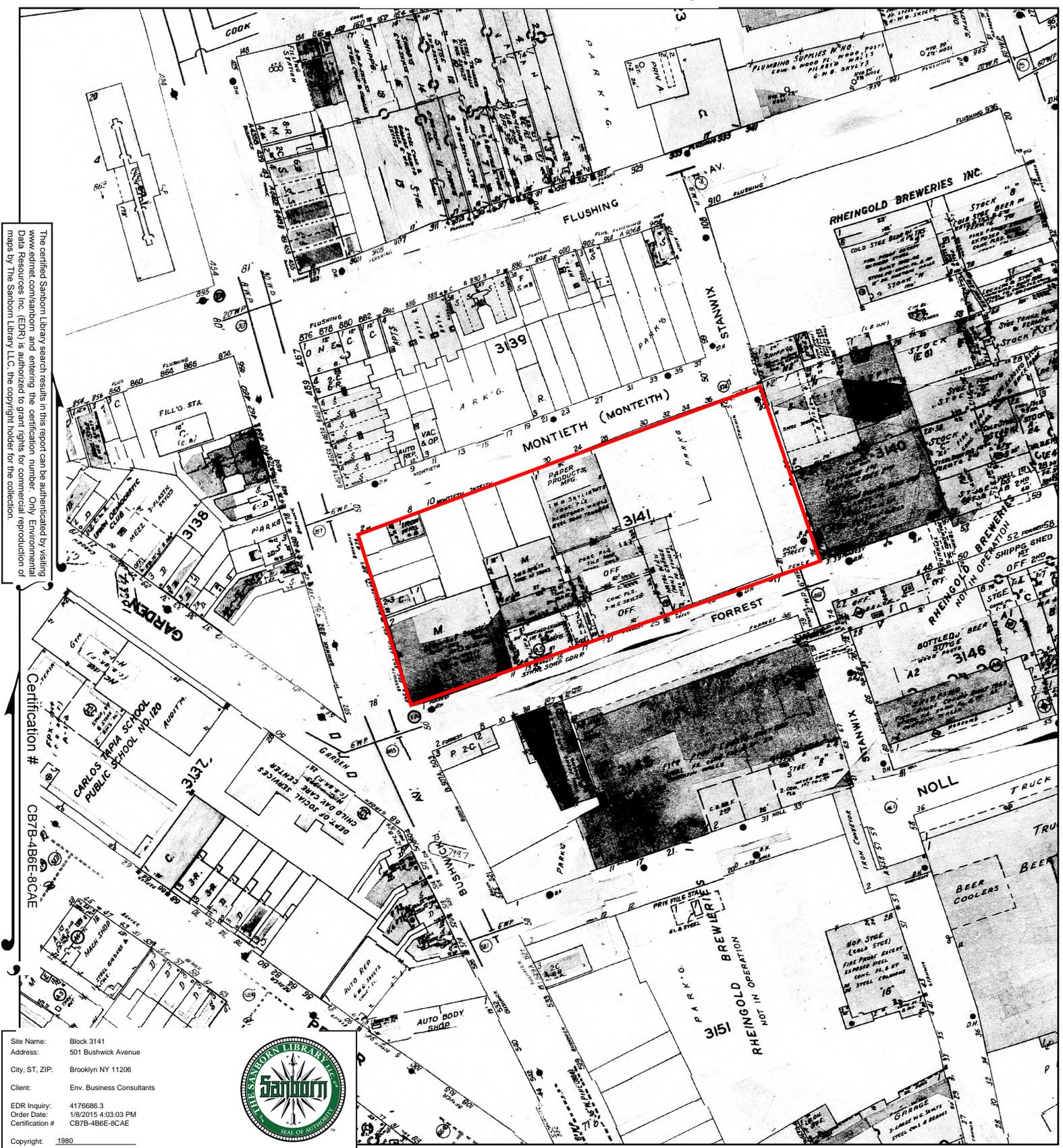


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# 1980 Certified Sanborn Map

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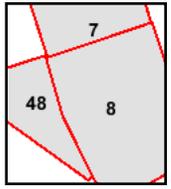
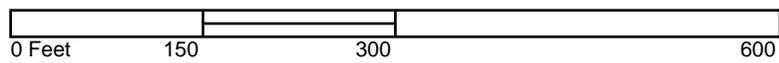


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# 1979 Certified Sanborn Map



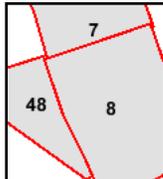
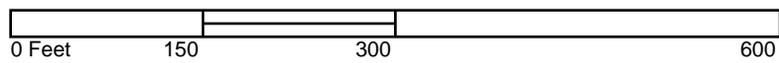
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# 1977 Certified Sanborn Map

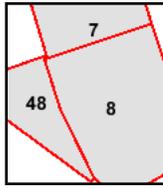
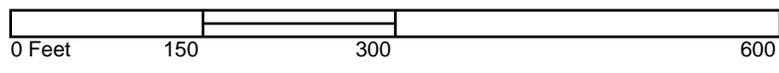
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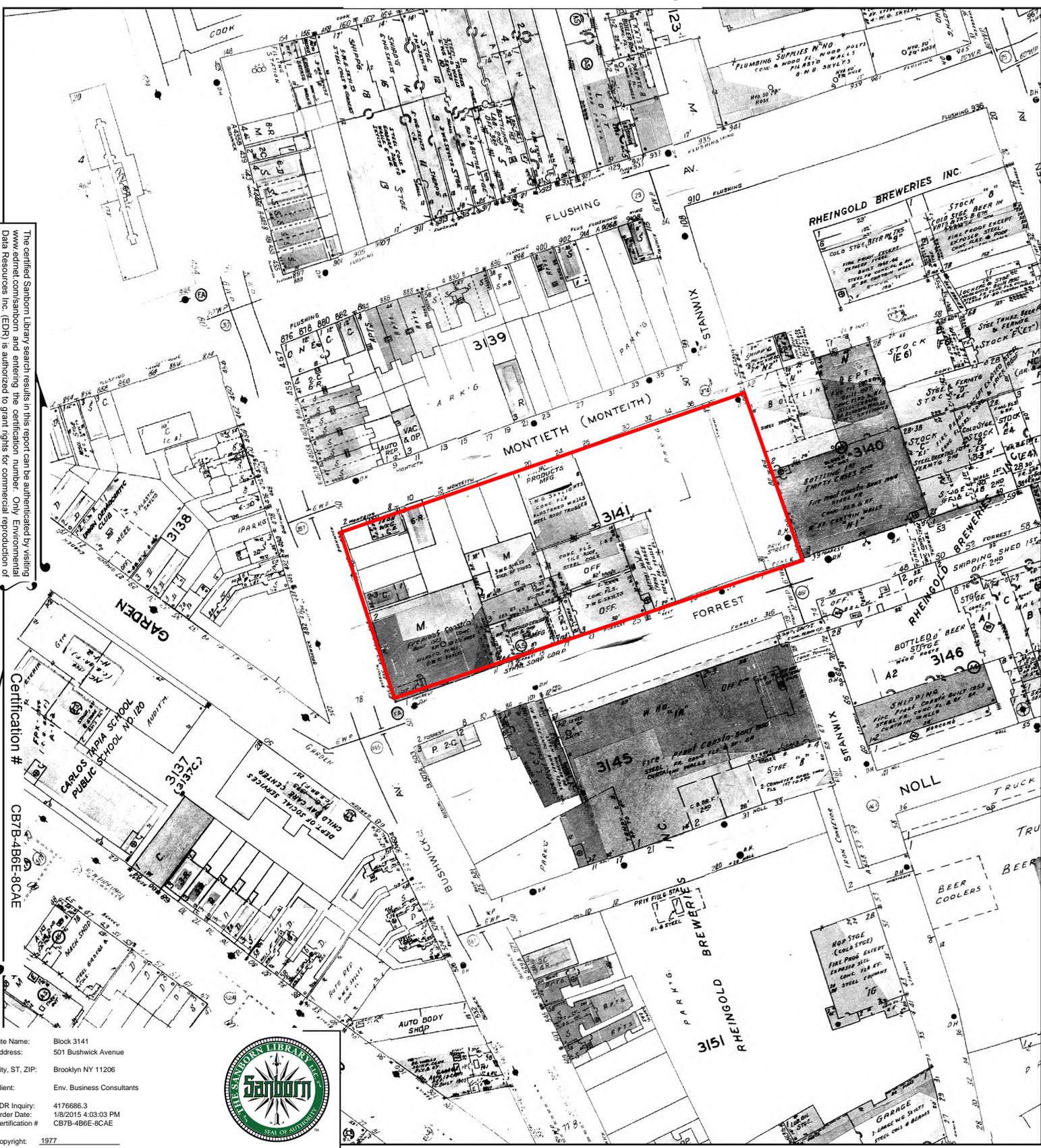
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Copyright: 1977



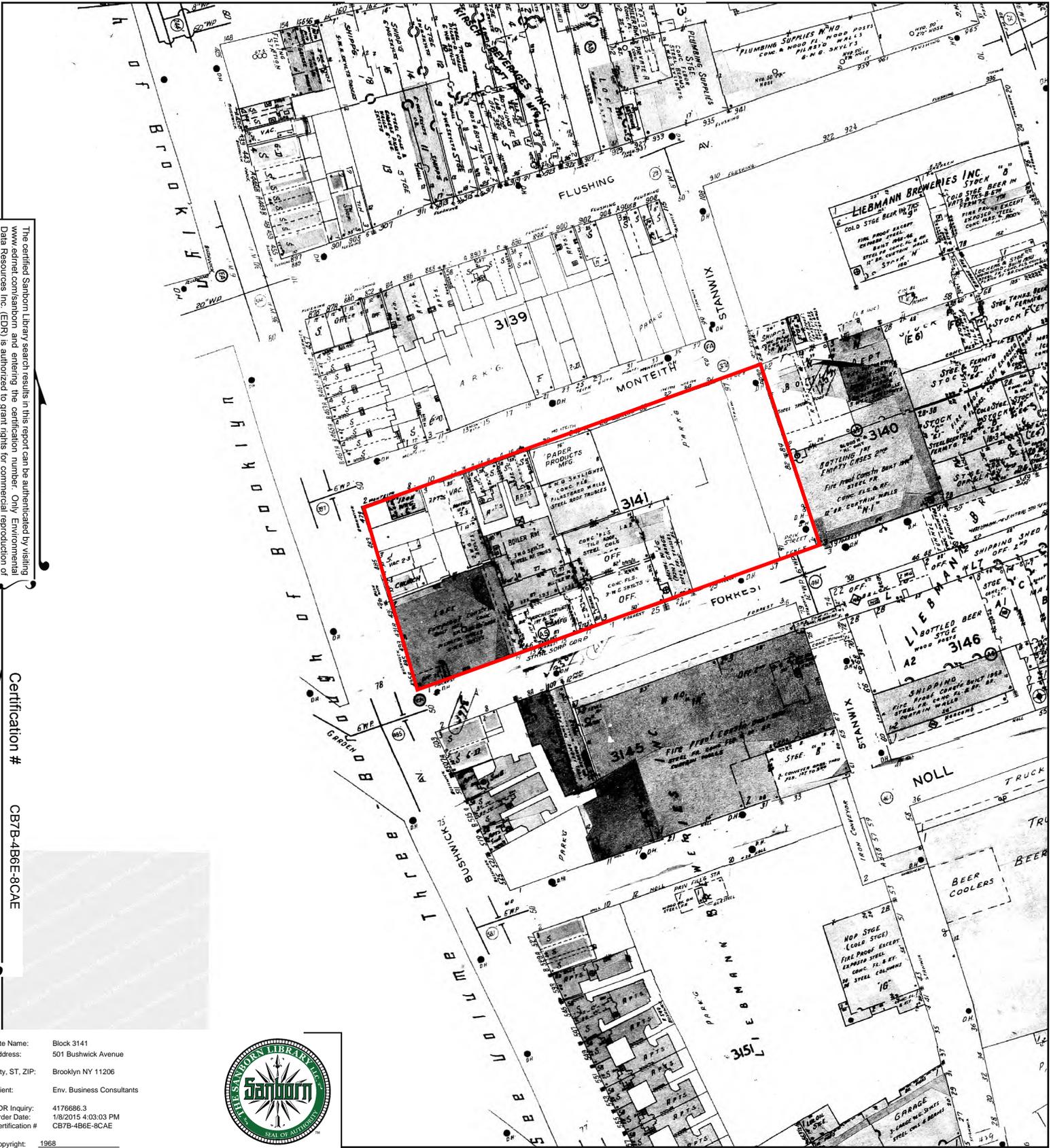
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Volume 9, Sheet 7  
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Volume 3, Sheet 48



# 1968 Certified Sanborn Map



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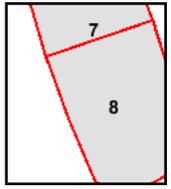
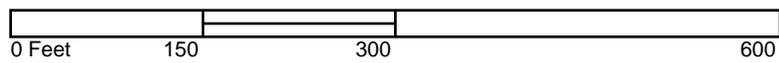
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Copyright: 1968

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Volume 9, Sheet 7  
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# 1965 Certified Sanborn Map

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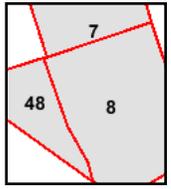
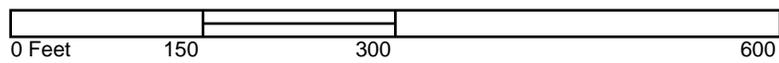


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Copyright: 1965



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Volume 3, Sheet 48



# 1951 Certified Sanborn Map

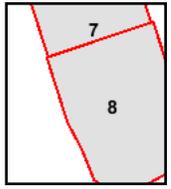
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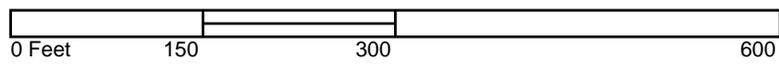
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 Copyright: 1951



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Volume 9, Sheet 7  
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# 1950 Certified Sanborn Map



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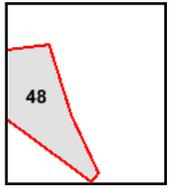
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Copyright: 1950

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Volume 3, Sheet 48



# 1947 Certified Sanborn Map



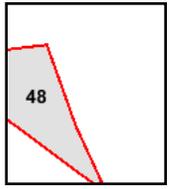
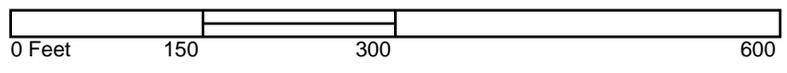
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Volume 3, Sheet 48



# 1935 Certified Sanborn Map



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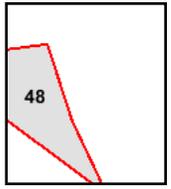
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Copyright: 1935

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Volume 3, Sheet 48



# 1933 Certified Sanborn Map

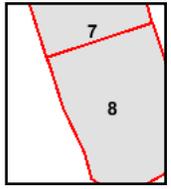
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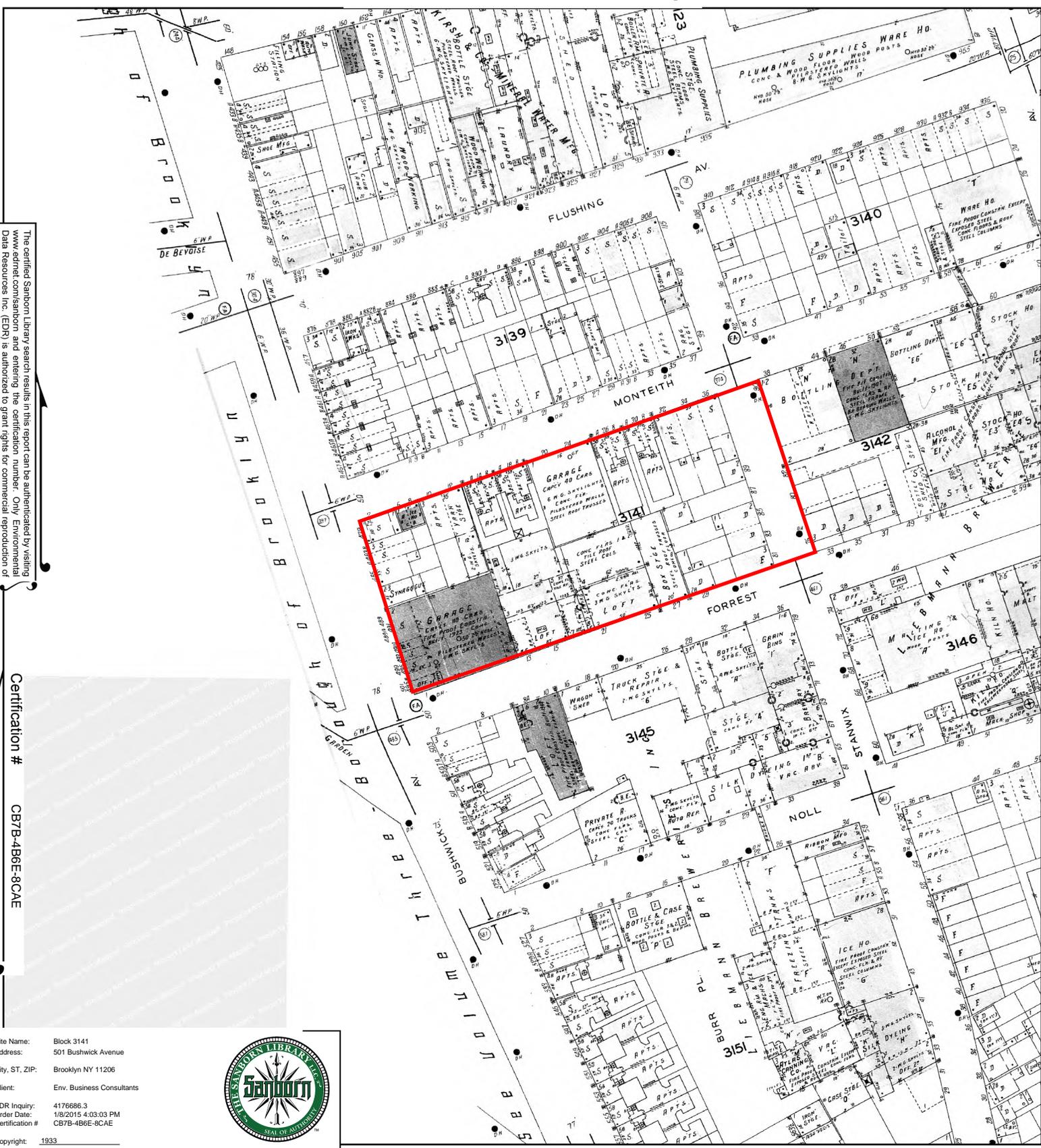
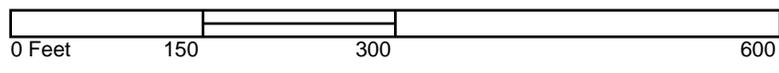
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 Copyright: 1933



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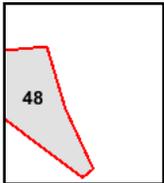
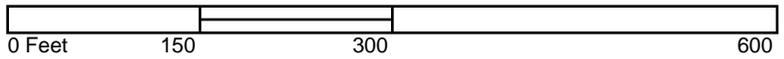
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# 1918 Certified Sanborn Map



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Volume 3, Sheet 48



# 1907 Certified Sanborn Map



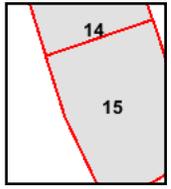
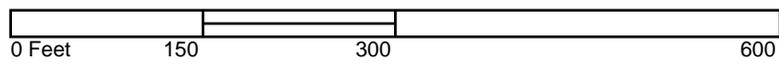
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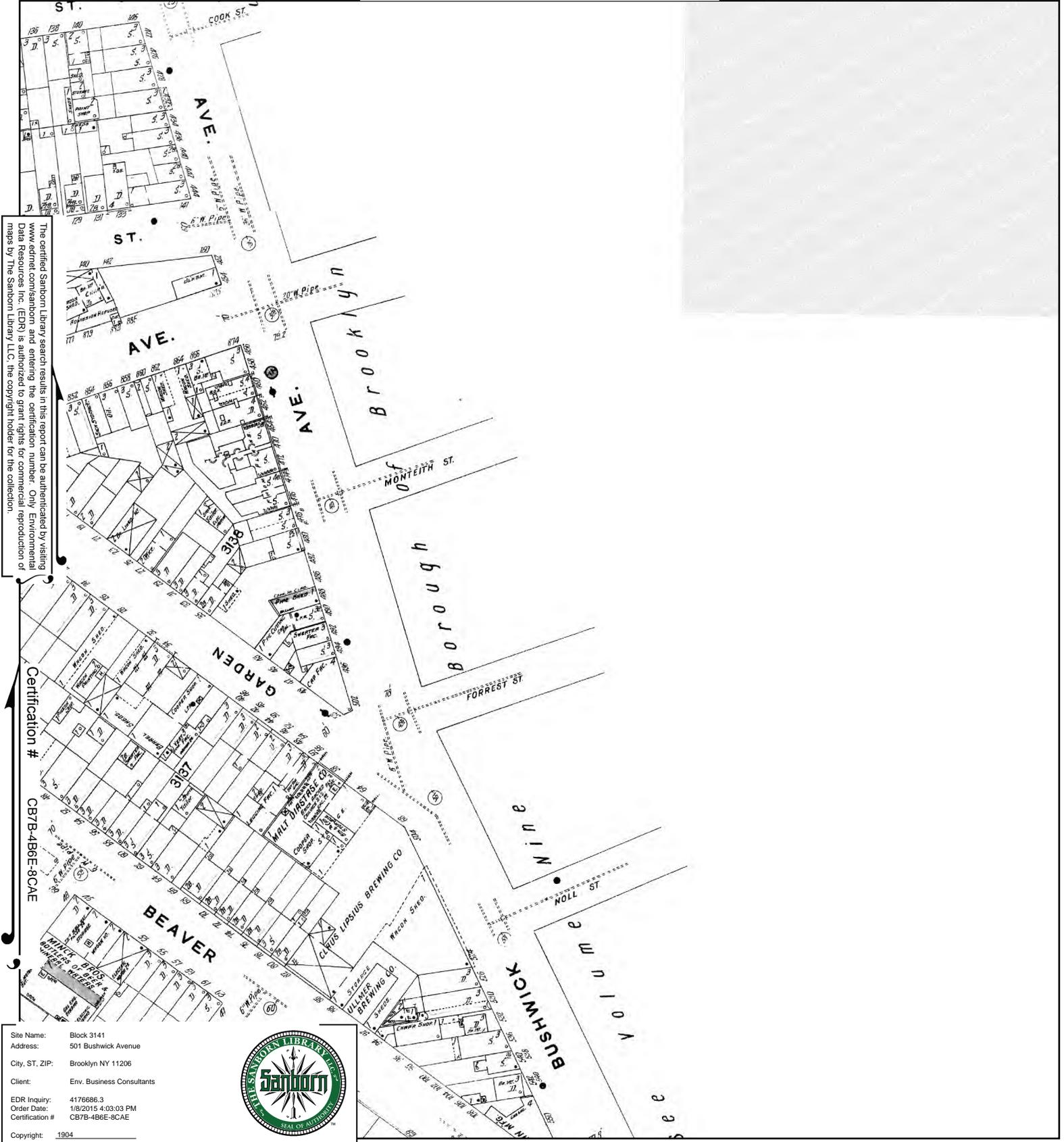
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# 1904 Certified Sanborn Map



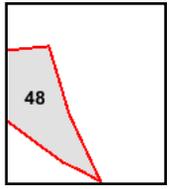
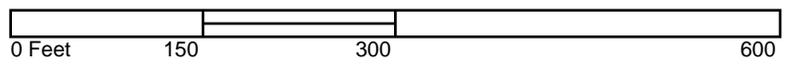
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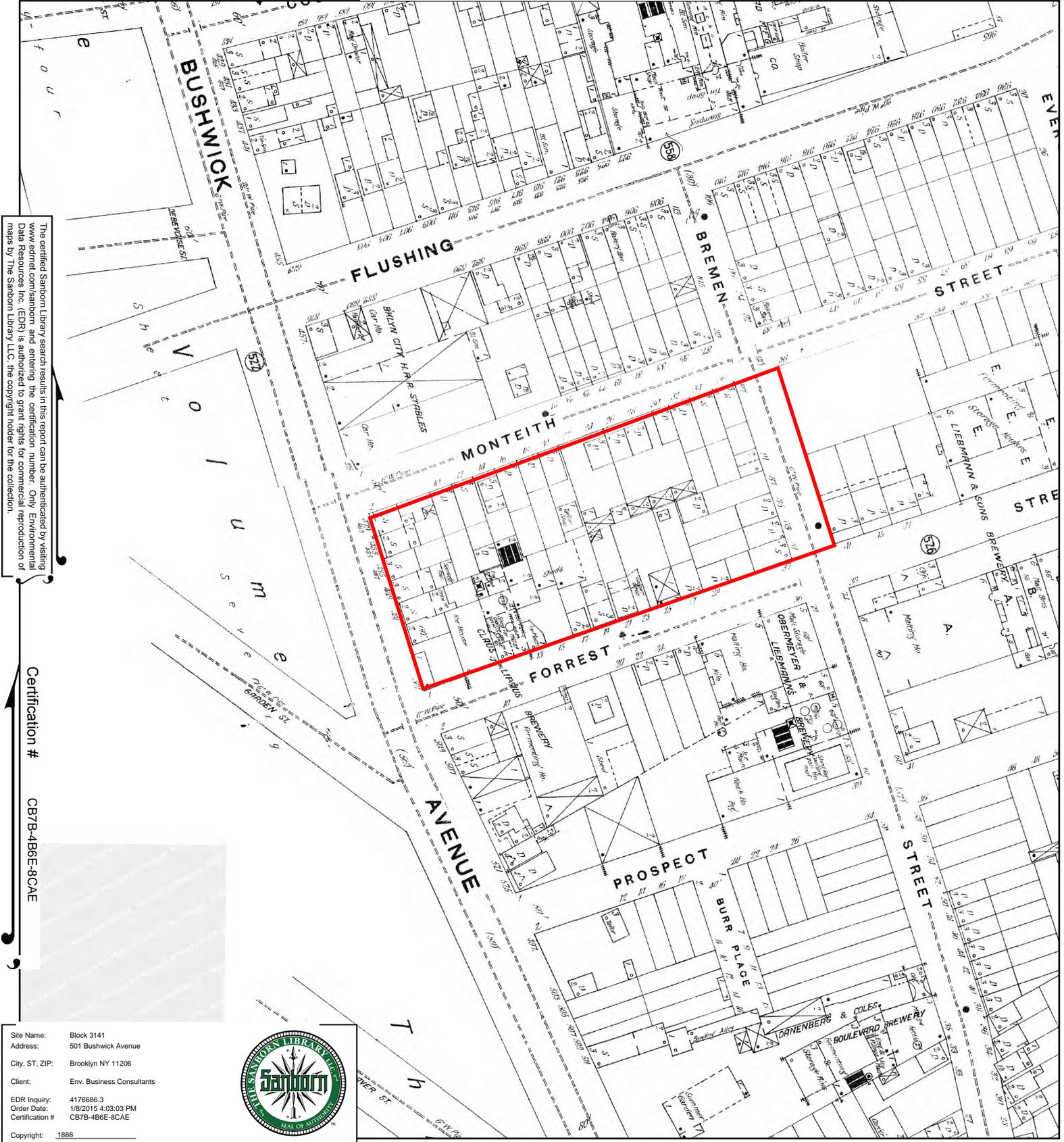
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 48



# 1888 Certified Sanborn Map



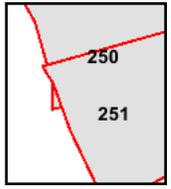
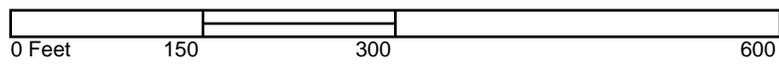
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # CB7B-4B6E-8CAE

Site Name: Block 3141  
 Address: 501 Bushwick Avenue  
 City, ST, ZIP: Brooklyn NY 11206  
 Client: Env. Business Consultants  
 EDR Inquiry: 4176686.3  
 Order Date: 1/8/2015 4:03:03 PM  
 Certification #: CB7B-4B6E-8CAE  
 Copyright: 1888



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



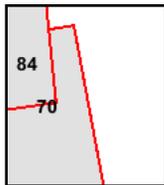
Volume 9, Sheet 250  
 Volume 9, Sheet 251



# 1887 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 70  
 Volume 3, Sheet 84



## **APPENDIX D**

# **HISTORIC CITY DIRECTORY SEARCH**

**Block 3141**

501 Bushwick Avenue  
Brooklyn, NY 11206

Inquiry Number: 4176686.5  
January 08, 2015

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Corporation	-	X	X	-
	Hill-Donnelly Corporation	X	X	X	-
2000	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1997	NYNEX	-	X	X	-
	NYNEX	X	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	-	-	-	-
1976	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1970	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1965	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1945	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<b><u>Address</u></b>	<b><u>Type</u></b>	<b><u>Findings</u></b>
479 Bushwick Avenue	Client Entered	X
489 Bushwick Avenue	Client Entered	X
10 Montieth Street	Client Entered	X
20 Montieth Street	Client Entered	X
13 Forrest Street	Client Entered	
21 Forrest Street	Client Entered	
29 Forrest Street	Client Entered	
1 Forrest Street	Client Entered	
27 Forrest Street	Client Entered	X

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

501 Bushwick Avenue  
Brooklyn, NY 11206

### FINDINGS DETAIL

Target Property research detail.

### Bushwick Avenue

#### 479 Bushwick Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Martin Iron Works	Hill-Donnelly Corporation
2000	MARTIN IRON WORKS	Cole Information Services
1997	Ben Iron Works	NYNEX
1992	BEN IRON WORKS	NYNEX Informantion Resource Co.
1985	BEN IRON WORKS	NYNEX Information Resources Company
1976	PIRA BROS IRON WORKS INC	New York Telephone
1970	Ernest Ornamental Iron Wk	New York Telephone
1965	Ernest Ornamental Iron Wk	New York Telephone

#### 489 Bushwick Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	LOPEZ EMILO	New York Telephone
	M & A FORMICA PROD INC	New York Telephone
1970	Bethesda Pentecostal Church	New York Telephone
1934	AGLDES ACHLM ANSHEL STELINE REV MEYER A LIBEN RABBL	R. L. Polk & Co.

### Forrest Street

#### 1 Forrest Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

#### 13 Forrest Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

## FINDINGS

### 21 Forrest Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

### 27 Forrest Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	Bono Sawdust Supl	New York Telephone
	Bonos Sawdust Supl	New York Telephone

### 29 Forrest Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

### Montieth Street

#### 10 Montieth Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	Nieves Gilberto	New York Telephone
1970	Nieves Gilberto	New York Telephone
	Rosario Nereida	New York Telephone

#### 20 Montieth Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Ember Metal Prods Inc	New York Telephone

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### BUSHWICK

##### 511 BUSHWICK

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	BLUM MORRIS H	R. L. Polk & Co.

#### BUSHWICK AVE

##### 490 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Nr	Hill-Donnelly Corporation
2000	DSCNT AT SLS CTR	Cole Information Services
1997	Discount Auto Sales Center	NYNEX
1992	NATIONWIDE AUTO SALES LTD	NYNEX Informantion Resource Co.
1985	ANIBAL LASSUS AUTO SALES	NYNEX Information Resources Company
1960	WILFERT JOHN CO valvs fites piping	New York Telephone Company
1945	Wilfert John Co valves fittings piping Genl Office	New York Telephone
1940	Wilfert John Co valves fittings piping Genl ofc	New York Telephone
1928	WILFERT JOHN CO VALVES FITTINGS PIPING	New York Telephone

##### 491 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Zarini Carmelo	New York Telephone Company
	ZARINI CARMELO	New York Telephone
1949	JAYNE LINEHAN CORP	New York Telephone
	Chwatt Bros skein dyeing	New York Telephone
1945	Robinson Chas leather heels	New York Telephone
1940	Springdale Distilling Co	New York Telephone

##### 492 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	Wilfert John Co valves fittings piping Genl Office	New York Telephone
	Engineering Dept	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Wilfert John Co valves fittings piping Genl ofc	New York Telephone
	Engnrng dept	New York Telephone

### 493 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1928	GREENTHAL B RLEST	New York Telephone

### 494 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MAGIC LUBE	Cole Information Services
2008	MAGIC LUBE & CARWASH	Cole Information Services
2005	Magic Lube	Hill-Donnelly Corporation
	Eron Judah	Hill-Donnelly Corporation
	Eron Judah	Hill-Donnelly Corporation
2000	ALL CARS SALES INC	Cole Information Services

### 495 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Daysol Metal Prods Corp	New York Telephone
	KS Mfg Corp	New York Telephone
1965	Kaye Novelty Co Inc toys	New York Telephone
	Daysol Metal Prods Corp	New York Telephone
1960	Daysol Metal Prods Corp	New York Telephone Company
	Kaye Novelty Co Inc toys	New York Telephone Company
1928	BROWN & SCHWARTZ 2D HAND BRICK	New York Telephone
	GREENTHAL B RLEST	New York Telephone
	PERFECT TIRE & TUBE WORKS	New York Telephone

### 496 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Guzman & Son svce sta	New York Telephone
1960	Medina Svce Sta	New York Telephone Company
1949	Bernies Svce Sta	New York Telephone
1945	Rifkin Max gas sta	New York Telephone

### 503 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	FIELDS MAUDE	New York Telephone
	GREEN ANNIE L	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	Santiago Francisca	New York Telephone
1970	Pagan Saturnina	New York Telephone
1965	Perez Hiram	New York Telephone
	Turshen Abraham	New York Telephone
1960	TURSHEN ABRAHAM	New York Telephone
	Morales Juan E	New York Telephone Company
	Turshen Abraham	New York Telephone Company
1949	Bierstein Gladys	New York Telephone
	Eagle Candy Co	New York Telephone
1945	Dwyer Winifred Miss	New York Telephone
	Eagle Candy Co	New York Telephone
1940	Eagle Candy Co	New York Telephone
1934	BIERSTEIN SAML H	R. L. Polk & Co.

### 504 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	B & G Super Svce	New York Telephone

### 506 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1949	Bushwick Svce Sta	New York Telephone
1945	Bushwick Sales & Svce	New York Telephone
1940	Bushwick Sales & Svce	New York Telephone

### 507 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	Martinez T	New York Telephone
	Levine Louis	New York Telephone
1970	Levine Louis	New York Telephone
	Chayut Celia Mrs	New York Telephone
	Bushwick Coffee Shop	New York Telephone
	Bushwick Coffee Shop	New York Telephone
	Buchansky Sarah Mrs	New York Telephone
1965	Chayut Celia Mrs	New York Telephone
	Levine Louis	New York Telephone
	Buchansky Sarah Mrs	New York Telephone
	Bushwick Coffee Shop	New York Telephone
	Bushwick Coffee Shop	New York Telephone
1960	Radin & Kirsch lunchnet	New York Telephone Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Shayut Celia Mrs	New York Telephone Company
	Levine Louis	New York Telephone Company
	Cohen Wm	New York Telephone Company
	COHEN WM	New York Telephone
	Radin & Kirsch Lunchnet	New York Telephone Company
1949	Levines Luncheonette	New York Telephone
1945	Levine Lovis cgrs	New York Telephone
1940	Levine Louis cgrs	New York Telephone
1928	LEVINE LOUIS CIGARS	New York Telephone

### 511 BUSHWICK AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	Rodriguez P	New York Telephone
	Rodriguez Ismael	New York Telephone
1970	Pagan Hipollto	New York Telephone
	Guzman Rose Mrs	New York Telephone
	Caro Eloy	New York Telephone
1965	Pagan Hipolito	New York Telephone
	Green Annie L	New York Telephone
	Gonzalez Raymond	New York Telephone
	Caro Eloy	New York Telephone
1960	Ziotowitz Meyer	New York Telephone Company
	Rivera Agustin	New York Telephone Company
	Caro Eloy	New York Telephone Company
	Betances Jose A	New York Telephone Company
	ZLOTOWITZ MEYER	New York Telephone
	BETANCES JOSE A	New York Telephone
1949	Schlosser A skylgts roofng	New York Telephone
1934	BLOCK HYMAN R	R. L. Polk & Co.
1928	COHEN ABE R	New York Telephone

### FORREST

#### 8 FORREST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	NORMAN MEYER PRES FIT-RITE KNITTING MILLS INC	R. L. Polk & Co.
	STRONG SPRING BED MGR CORP DAVE BOOK PRES PETER TERANUCK SEC-TREAS	R. L. Polk & Co.

## FINDINGS

### **FORREST ST**

#### **10 FORREST ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2013	MECHANICAL RESPONSE INC	Cole Information Services
2008	BROOKS ROBERT L REV	Cole Information Services
1945	Macaluso Fedele clothing	New York Telephone
1940	Marcy Paper Box Co Inc	New York Telephone
	Macaluso Fedele clothing	New York Telephone

#### **12 FORREST ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1960	Mannix Edgar P Jr MD	New York Telephone Company

#### **8 FORREST ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1960	Knight Table Tennis Co	New York Telephone Company
1949	Saldan Bindry Inc	New York Telephone
	Port Togs Inc	New York Telephone
	Monte Coat Co	New York Telephone
	Lenox Glove Co	New York Telephone
	L & D Coal Co	New York Telephone
	Gerbo Slipper Co Inc	New York Telephone
	Avonelle Glove Corp	New York Telephone
	Forrest Mfg Co cts sts	New York Telephone
1945	Prospect Knitwear Co Inc	New York Telephone
	Gerbo Slipper Co	New York Telephone
	Ganga D cts sts	New York Telephone
1940	Prospect Knitwr Co Inc	New York Telephone
	Gerbo Sliper Co	New York Telephone
	Ganga D coats drses	New York Telephone
	Co Ed Glove Inc	New York Telephone

### **GARDEN ST**

#### **81 GARDEN ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1970	ASSOCIATED RIGGING & HAULING CORP	New York Telephone

## FINDINGS

### 86 GARDEN ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	HARMON PAPER STOCK CO INC	Cole Information Services

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

501 Bushwick Avenue

#### Address Not Identified in Research Source

2013, 2008, 1980, 1960, 1945, 1940, 1928

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

10 FORREST ST

10 FORREST ST

12 FORREST ST

490 BUSHWICK AVE

491 BUSHWICK AVE

492 BUSHWICK AVE

493 BUSHWICK AVE

494 BUSHWICK AVE

494 BUSHWICK AVE

495 BUSHWICK AVE

496 BUSHWICK AVE

503 BUSHWICK AVE

504 BUSHWICK AVE

506 BUSHWICK AVE

507 BUSHWICK AVE

511 BUSHWICK

511 BUSHWICK AVE

8 FORREST

#### Address Not Identified in Research Source

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1934, 1928

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

2013, 2008, 1980, 1976, 1973, 1970, 1965, 1949, 1934

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934

2013, 2008, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1949, 1945, 1940, 1934

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1940, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1934

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1945, 1940

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

## FINDINGS

### Address Researched

8 FORREST ST

81 GARDEN ST

86 GARDEN ST

### Address Not Identified in Research Source

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1934, 1928

2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928

2013, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

# APPENDIX E

## EDR RADIUS MAP REPORT

**Block 3141**

501 Bushwick Avenue  
Brooklyn, NY 11206

Inquiry Number: 4176686.2s  
January 08, 2015

## EDR Summary Radius Map Report

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

501 BUSHWICK AVENUE  
KINGS County, NY 11206

#### COORDINATES

Latitude (North): 40.7011000 - 40° 42' 3.96"  
Longitude (West): 73.9359000 - 73° 56' 9.24"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 589898.7  
UTM Y (Meters): 4505910.0  
Elevation: 47 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP  
Source: USGS 7.5 min quad index

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20110705, 20110710  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
501 BUSHWICK AVENUE  
, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
A1	LOT 1,TAXBLOCK 3141	501 BUSHWICK AVENUE	NY E DESIGNATION		TP
A2	LOT 7,TAXBLOCK 3141	481 BUSHWICK AVENUE	NY E DESIGNATION	Lower	6, WNW
A3	CON EDISON	483 BUSHWICK AVE	NY MANIFEST	Lower	6, West
A4	LOT 6,TAXBLOCK 3141	485 BUSHWICK AVENUE	NY E DESIGNATION	Lower	7, West
A5	LOT 5,TAXBLOCK 3141	489 BUSHWICK AVENUE	NY E DESIGNATION	Lower	8, West
A6	LOT 23,TAXBLOCK 3141	36 MONTIETH STREET	NY E DESIGNATION	Lower	10, NNW
A7	LOT 12,TAXBLOCK 3141	14 MONTIETH STREET	NY E DESIGNATION	Lower	12, WNW
A8	LOT 8,TAXBLOCK 3141	479 BUSHWICK AVENUE	NY E DESIGNATION	Lower	12, WNW
A9	LOT 10,TAXBLOCK 3141	10 MONTIETH STREET	NY E DESIGNATION	Lower	12, WNW
A10	LOT 22,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A11	LOT 24,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A12	LOT 21,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A13	LOT 20,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A14	LOT 35,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A15	LOT 14,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A16	LOT 11,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A17	LOT 30,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A18	LOT 15,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A19	LOT 27,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A20	LOT 23,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A21	LOT 25,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A22	LOT 26,TAXBLOCK 3139	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A23	LOT 18,TAXBLOCK 3141	MONTIETH STREET	NY E DESIGNATION	Lower	13, WNW
A24	MAGIC CAR WASH & LUB	494 BUSHWICK AVE	NY AST	Higher	20, WSW
A25	MAGIC CAR WASH	494 BUSHWICK AVENUE	NY Spills	Higher	20, WSW
A26		494 BUSHWICK AVE	EDR US Hist Auto Stat	Higher	20, WSW
A27	LOT 28,TAXBLOCK 3139	27 MONTIETH STREET	NY E DESIGNATION	Lower	21, NW
A28	LOT 32,TAXBLOCK 3139	19 MONTIETH STREET	NY E DESIGNATION	Lower	21, NW
A29	LOT 29,TAXBLOCK 3139	25 MONTIETH STREET	NY E DESIGNATION	Lower	21, NW
A30	LOT 33,TAXBLOCK 3139	17 MONTIETH STREET	NY E DESIGNATION	Lower	21, NW
A31	LOT 34,TAXBLOCK 3139	15 MONTIETH STREET	NY E DESIGNATION	Lower	22, NW
A32	LOT 31,TAXBLOCK 3139	21 MONTIETH STREET	NY E DESIGNATION	Lower	22, NW
A33	LOT 36,TAXBLOCK 3139	11 MONTIETH STREET	NY E DESIGNATION	Lower	22, WNW
B34		515 BUSHWICK AVE	EDR US Hist Auto Stat	Higher	101, SSW
C35	464 BUSHWICK AVENUE	464 BUSHWICK AVE	NY AST	Lower	150, NW
D36	BUSHWICK	BUSHWICK AVE., FLASH	NY CBS AST, NY CBS	Lower	219, NNE
D37	LOT 21,TAXBLOCK 3139	908 FLUSHING AVENUE	NY E DESIGNATION	Lower	228, NNE
D38	LOT 18,TAXBLOCK 3139	902 FLUSHING AVENUE	NY E DESIGNATION	Lower	232, North
D39	MANHOLE #1293	FLUSHING AVE & STANW	NY Spills	Lower	233, NNE

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, NY 11206

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
<a href="#">C40</a>	ARBA GAS INC	456 BUSHWICK AVENUE	NY UST	Lower	234, NW
<a href="#">E41</a>		45 GARDEN ST	EDR US Hist Auto Stat	Lower	237, West
<a href="#">C42</a>	TM3584	FLUSHING AV / BUSHWI	NY Spills	Lower	240, NW
<a href="#">C43</a>	GETTY STATION	FLUSHING AVE/BUSHWIC	NY Spills	Lower	240, NW
<a href="#">C44</a>	MANHOLE 628	FLUSHING AVE BUSHWIC	NY Spills	Lower	246, NW
<a href="#">C45</a>	890 FLUSHING AVENUE	890 FLUSHING AVENUE	NY AST, NY HIST AST	Lower	246, NNW
<a href="#">E46</a>	CON EDISON	FO 41 GARDEN ST	NY MANIFEST	Lower	252, West
<a href="#">C47</a>	EXXON MOBIL	864 FLUSHING AVE	NY Spills	Lower	273, WNW
<a href="#">C48</a>	JASWICK MART, INC.	864 FLUSHING AVENUE	NY UST, NY HIST UST	Lower	273, WNW
<a href="#">C49</a>		864 FLUSHING AVE	EDR US Hist Auto Stat	Lower	273, WNW
<a href="#">E50</a>	LOT 11,TAXBLOCK 3138	31 GARDEN STREET	NY E DESIGNATION	Lower	296, West
<a href="#">C51</a>	LOT 32,TAXBLOCK 3138	860 FLUSHING AVENUE	NY E DESIGNATION	Lower	302, WNW
<a href="#">B52</a>	DRUM RUN	534 BUSHWICK AVE	NY Spills	Higher	320, South
<a href="#">C53</a>		856 FLUSHING AVE	EDR US Hist Cleaners	Lower	332, WNW
<a href="#">F54</a>	CON EDISON	70 BEAVER ST	NY MANIFEST	Higher	350, SW
<a href="#">F55</a>	WEST BUSHWICK HOUSIN	86-88 BEAVER ST	NY LTANKS	Higher	350, SSW
<a href="#">G56</a>	LOT 22,TAXBLOCK 3138	848 FLUSHING AVENUE	NY E DESIGNATION	Lower	403, WNW
<a href="#">G57</a>	LOT 20,TAXBLOCK 3138	846 FLUSHING AVENUE	NY E DESIGNATION	Lower	423, WNW
<a href="#">G58</a>		846 FLUSHING AVE	EDR US Hist Auto Stat	Lower	423, WNW
<a href="#">G59</a>		844 FLUSHING AVE	EDR US Hist Auto Stat	Lower	442, WNW
<a href="#">H60</a>	CON EDISON	550 BUSHWICK AVE	NY MANIFEST	Higher	469, South
<a href="#">G61</a>	NYNEX	FLUSHING AVE & GARDE	NY MANIFEST	Lower	474, WNW
<a href="#">I62</a>	CON EDISON MANHOLE 6	FLUSHING AVE & EVERG	RCRA NonGen / NLR, NJ MANIFEST	Lower	487, NE
<a href="#">I63</a>	MANHOLE 627	FLUSHING AV & EVERGR	NY Spills	Lower	490, NE
<a href="#">I64</a>	CONED MANHOLE # 0062	FLUSHING/EVERGREN AV	NY Spills	Lower	491, NE
<a href="#">I65</a>	CON EDISON - MANHOLE	FLUSHING AVE & EVERG	RCRA NonGen / NLR	Lower	492, NE
<a href="#">J66</a>		429 BUSHWICK AVE	EDR US Hist Auto Stat	Lower	501, NW
<a href="#">K67</a>	GONZALEZ RESIDENCE	29 BEAVER ST	NY LTANKS	Lower	505, WSW
<a href="#">L68</a>	LOT 3,TAXBLOCK 3152	80 EVERGREEN AVENUE	NY E DESIGNATION	Higher	525, ESE
<a href="#">L69</a>	CON EDISON	82 EVERGREEN AV	NY MANIFEST	Higher	541, ESE
<a href="#">H70</a>	CON EDISON	91 BEAVER ST	NY MANIFEST	Higher	541, South
<a href="#">M71</a>	199 COOK STREET	199 COOK STREET	NY Spills	Lower	551, NNE
<a href="#">I72</a>	CASTEL BALJAC	10 EVERGREEN AVENUE	NY AST	Lower	558, NE
<a href="#">G73</a>	LOT 56,TAXBLOCK 3137	832 FLUSHING AVENUE	NY E DESIGNATION	Lower	579, West
<a href="#">M74</a>	MANHOLE 75293	COOKE ST/WHITE ST	NY Spills	Lower	587, NNE
<a href="#">M75</a>	WAREHOUSE	211-217 COOK ST	NY Spills	Lower	591, NNE
<a href="#">G76</a>	MANHOLE # 1020	830 FLUSHING AVE	NY Spills	Lower	605, West
<a href="#">F77</a>	CON EDISON	28 PARK PL	NY MANIFEST	Higher	613, SW
<a href="#">K78</a>	PS 120	18 BEAVER ST	NY AST, NY HIST AST	Lower	623, West

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
<a href="#">K79</a>	NYC DEPT OF ED - PUB	18 BEAVER ST	RCRA-CESQG	Lower	623, West
<a href="#">I80</a>	NYNEX	FLUSHING & CENTRAL A	NY MANIFEST	Lower	626, NE
<a href="#">G81</a>	LOT 51,TAXBLOCK 3137	828 FLUSHING AVENUE	NY E DESIGNATION	Lower	630, West
<a href="#">I82</a>	CON ED MANHOLE #0062	FLUSHING/CENTRAL AVE	NY Spills	Lower	634, NE
<a href="#">I83</a>	MANHOLE #626	FLUSHING AV & CENTRA	NY Spills	Lower	634, NE
<a href="#">I84</a>	CON ED MANHOLE #626	FLUSHING AVE/CENTRAL	NY Spills	Lower	634, NE
<a href="#">I85</a>	MANHOLE 626	FLUSHING AV/CENTRAL	NY Spills	Lower	634, NE
<a href="#">I86</a>	UNDER GROUND	946-954 FLUSHING AVE	NY Spills	Lower	640, NE
<a href="#">I87</a>	CON EDISON	975 FLUSHING AV	NY MANIFEST	Lower	643, NE
<a href="#">I88</a>	CON EDISON	COOK ST & EVERGREEN	NY MANIFEST	Lower	644, NNE
<a href="#">I89</a>	MANHOLE 622	COOK ST/EVERGREEN AV	NY Spills	Lower	644, NNE
<a href="#">I90</a>	EVERGREEN AV/COOK ST	EVERGREEN AV/COOK ST	NY Spills	Lower	644, NNE
<a href="#">I91</a>		218 COOK ST	EDR US Hist Auto Stat	Lower	648, NNE
<a href="#">N92</a>	MANHOLE 9116	205 VARET STREET IN	NY Spills	Lower	651, North
<a href="#">O93</a>		826 FLUSHING AVE	EDR US Hist Auto Stat	Lower	656, West
<a href="#">I94</a>	CON EDISON	219 COOK ST	NY MANIFEST	Lower	662, NNE
<a href="#">I95</a>	RAM AUTO WRECKERS	230 COOK STREET	NY SWF/LF	Lower	684, NNE
<a href="#">I96</a>	CON EDISON	OPP. 229 COOK ST	NY MANIFEST	Lower	691, NNE
<a href="#">P97</a>	GARATZIOTIS, ARISS R	578 BUSHWICK AVENUE	NY LTANKS	Higher	723, SSE
<a href="#">L98</a>	CON EDISON	11 GEORGE ST	NY MANIFEST	Higher	729, ESE
<a href="#">J99</a>	CON EDISON	409 BUSHWICK AVE	NY MANIFEST	Lower	734, NNW
<a href="#">J100</a>		409 BUSHWICK AVE	EDR US Hist Cleaners	Lower	734, NNW
<a href="#">L101</a>	CON EDISON	OPP 13 GEORGE ST	NY MANIFEST	Higher	737, ESE
<a href="#">Q102</a>	NYC BD OF ED - PUBLI	100 NOLL ST	RCRA NonGen / NLR	Higher	748, ENE
<a href="#">Q103</a>	NYC BD OF ED - PUBLI	100 NOLL ST	NY AST, NY MANIFEST, NY Spills	Higher	748, ENE
<a href="#">P104</a>		582 BUSHWICK AVE	EDR US Hist Auto Stat	Higher	758, SSE
<a href="#">Q105</a>	POLICE SERVICE AREA	25 CENTRAL AVENUE	NY UST	Lower	768, ENE
<a href="#">Q106</a>	POLICE SERVICE AREA	25 CENTRAL AVENUE	NY AST	Lower	768, ENE
<a href="#">R107</a>	CON EDISON	106 MELROSE ST	NY MANIFEST	Higher	768, SE
<a href="#">O108</a>	CON EDISON - MANHOLE	FLUSHING AVE & BEAVE	RCRA-LQG, NJ MANIFEST	Lower	770, West
<a href="#">O109</a>	CONSOLIDATED EDISON	FLUSHING AVE & BEAVE	NY MANIFEST	Lower	770, West
<a href="#">M110</a>	CONSOLIDATED EDISON	210 VARET AVE & BUSH	NY MANIFEST	Lower	781, North
<a href="#">R111</a>	CON ED	FRONT OF 131 MELROSE	NY MANIFEST	Higher	798, ESE
<a href="#">N112</a>		191 VARET ST	EDR US Hist Auto Stat	Lower	798, NNW
<a href="#">M113</a>	CON EDISON	231 VARET ST	RCRA NonGen / NLR	Lower	800, NNE
<a href="#">M114</a>	CON EDISON - VS 227	231 VARET STREET	RCRA NonGen / NLR, NY MANIFEST	Lower	800, NNE
<a href="#">M115</a>	CONSOLIDATED EDISON	231 231 VARET ST	NY MANIFEST, NY Spills	Lower	800, NNE
<a href="#">P116</a>	CON EDISON	72 MELROSE ST	NY MANIFEST	Higher	804, SSE
<a href="#">S117</a>		946 FLUSHING AVE	EDR US Hist Auto Stat	Lower	808, NE

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<a href="#">T118</a>	REMAINS LIGHTING	21 BELVIDERE ST	RCRA-CESQG, FINDS, NJ MANIFEST, NJ MANIFEST, US...	Higher	829, SSW
<a href="#">U119</a>	ADOR CONVERTING, INC	232-234 VARET ST	NY UST, NY HIST UST	Lower	846, NNE
<a href="#">U120</a>	MARTIN GREENFIELD CL	239 VARET ST	NY UST, NY HIST UST	Lower	848, NNE
<a href="#">P121</a>		595 BUSHWICK AVE	EDR US Hist Auto Stat	Higher	851, SSE
<a href="#">V122</a>	95 EVERGREEN ASSOCIA	95 EVERGREEN AVENUE	NY UST	Higher	857, ESE
<a href="#">V123</a>	CON EDISON	95 EVERGREEN AVE	NY LTANKS, NY MANIFEST	Higher	857, ESE
<a href="#">S124</a>	NYNEX	BOGART ST & FLUSHING	NY MANIFEST	Lower	860, NE
<a href="#">R125</a>	HERNANDEZ AUTO REPAI	11 STANWIX STREET	NY AST	Higher	872, SSE
<a href="#">S126</a>	SCHWARTZ BROS REALTY	114 FORREST ST	NY AST	Lower	881, NE
<a href="#">S127</a>	SCHWARTZ BROS REALTY	114 FORREST ST	NY LTANKS, NY HIST AST	Lower	881, NE
<a href="#">U128</a>		248 VARET ST	EDR US Hist Auto Stat	Lower	894, NNE
<a href="#">W129</a>	NEW YORK TELEPHONE	BROADWAY & LOCUST	RCRA NonGen / NLR, NY MANIFEST	Higher	898, SW
<a href="#">U130</a>		250 VARET ST	EDR US Hist Auto Stat	Lower	902, NNE
<a href="#">V131</a>	CON EDISON	MELROSE AVE & EVERGR	RCRA-CESQG	Higher	907, ESE
<a href="#">T132</a>	ARLON ENTERPRISES LL	927 ARLON PL	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	908, South
<a href="#">P133</a>	K&G AUTO PARTS INC.	600 BUSHWICK AVENUE	NY AST	Higher	916, SSE
<a href="#">X134</a>		835 BROADWAY	EDR US Hist Cleaners	Higher	932, SW
<a href="#">X135</a>		840 BROADWAY	EDR US Hist Auto Stat	Higher	943, SW
<a href="#">P136</a>	CON EDISON	FRONT OF 37 MELROSE	NY MANIFEST	Higher	953, South
<a href="#">Y137</a>	AMOCO SERVICE STATIO	613 BUSHWICK AVENUE	NY HIST UST, NY AST	Higher	954, SSE
<a href="#">X138</a>	CON EDISON	829 BROADWAY	NY MANIFEST	Higher	954, SW
<a href="#">T139</a>		882 BROADWAY	EDR US Hist Cleaners	Higher	956, SSW
<a href="#">Z140</a>	CON EDISON	387 BUSHWICK AV	NY MANIFEST	Lower	959, NNW
<a href="#">AA141</a>	815 BROADWAY	815 BROADWAY	NY AST	Lower	967, WSW
<a href="#">T142</a>	CON EDISON	11 ARION PL	NY MANIFEST	Higher	976, South
<a href="#">AA143</a>		34 FAYETTE ST	EDR US Hist Auto Stat	Lower	980, WSW
<a href="#">T144</a>	CON EDISON	889 BROADWAY	NY MANIFEST	Higher	987, SSW
<a href="#">Y145</a>		608 BUSHWICK AVE	EDR US Hist Cleaners	Higher	992, SSE
<a href="#">Y146</a>		613 BUSHWICK AVE	EDR US Hist Auto Stat	Higher	995, SSE
<a href="#">Y147</a>	LYNNS SERVICE STATIO	613 BUSHWICK AVE	RCRA NonGen / NLR	Higher	995, SSE
<a href="#">Z148</a>	CON EDISON	383 BUSHWICK AVE	NY MANIFEST	Lower	995, NNW
<a href="#">R149</a>	CON EDISON - MANHOLE	59 JEFFERSON STREET	RCRA-LQG, NJ MANIFEST	Higher	1006, SE
<a href="#">R150</a>	CONSOLIDATED EDISON	59 JEFFERSON STREET	NY MANIFEST	Higher	1006, SE
<a href="#">AB151</a>		17 BOGART ST	EDR US Hist Auto Stat	Lower	1010, NE
<a href="#">R152</a>	CON EDISON	54 JEFFERSON ST	NY MANIFEST, NY Spills	Higher	1013, SE
<a href="#">AC153</a>	VACANT LOT	126-130 NOLL STREET	NY UST, NY HIST UST	Lower	1020, ENE
<a href="#">Y154</a>	GOAL REALTY CORP.	6 STANWIX STREET	NY TANKS	Higher	1020, SSE
<a href="#">AA155</a>		24 FAYETTE ST	EDR US Hist Auto Stat	Lower	1023, WSW
<a href="#">AA156</a>	TIMMES INDUSTRIAL MA	24 FAYETTE ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1023, WSW

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501 BUSHWICK AVENUE  
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<a href="#">Y157</a>		4 STANWIX ST	EDR US Hist Auto Stat	Higher	1031, SSE
<a href="#">X158</a>	CONWAY/EMPTY BUILDIN	815 BROADWAY	NY LTANKS	Lower	1031, WSW
<a href="#">AD159</a>	COOPER TANK RECYCLIN	201-203 MOORE STREET	NY SWF/LF	Lower	1048, North
<a href="#">AE160</a>	CON EDISON	OPP 19 MELROSE ST	NY MANIFEST	Higher	1053, South
<a href="#">Z161</a>	NYCHA - BUSHWICK HOU	372 BUSHWICK AVE	RCRA-CESQG, FINDS	Lower	1062, NW
<a href="#">AF162</a>	CON EDISON	MOORE ST. & WHITE ST	NY MANIFEST	Lower	1063, North
<a href="#">AG163</a>	CON EDISON	93 JEFFERSON ST	NY MANIFEST	Higher	1064, ESE
<a href="#">AG164</a>	CON EDISION	93 JEFFERSON ST	NY MANIFEST	Higher	1064, ESE
<a href="#">W165</a>	SUMNER HOUSES	10 LEWIS AVENUE	NY UST, NY HIST UST	Higher	1064, SSW
<a href="#">W166</a>	NYCHA - SUMNER HOUSE	10 LEWIS AVE	RCRA NonGen / NLR, FINDS	Higher	1064, SSW
<a href="#">W167</a>	SUMNER HOUSES	10 LEWIS AVE	NY LTANKS, NY Spills	Higher	1064, SSW
<a href="#">V168</a>	ELITE CHEMICAL CO	105 EVERGREEN ST	NY LTANKS, NY MANIFEST	Higher	1073, ESE
<a href="#">V169</a>	CAVALIER REALTY LLC	105 EVERGREEN AVENUE	NY UST	Higher	1073, ESE
<a href="#">V170</a>	ELITE CHEMICAL CO	105 EVERGREEN ST	RCRA NonGen / NLR	Higher	1073, ESE
<a href="#">171</a>	MESTOLE STORE CONSTR	122 FORREST ST	RCRA NonGen / NLR, FINDS, NY MANIFEST, US AIRS	Lower	1075, NE
<a href="#">AG172</a>	CON EDISION	86 JEFFERSON ST	NY MANIFEST	Higher	1077, ESE
<a href="#">AG173</a>	CON EDISON	86 JEFFERSON ST	NY MANIFEST	Higher	1077, ESE
<a href="#">AE174</a>	CON EDISON	FO 13 MELROSE ST	NY MANIFEST	Higher	1089, South
<a href="#">Y175</a>	41 JEFFERSON ST	41 JEFFERSON ST	NY LTANKS	Higher	1101, SSE
<a href="#">AH176</a>	BUSHWICK HOUSES	24 HUMBOLDT STREET	NY LTANKS, NY Spills	Lower	1106, WNW
<a href="#">AH177</a>	BUSHWICK/HYLAN HOUSE	24 HUMBOLDT STREET	NY UST	Lower	1106, WNW
<a href="#">AF178</a>	RONPAT PRINTING INC	250 MOORE ST	RCRA NonGen / NLR, FINDS	Lower	1108, NNE
<a href="#">AF179</a>	SOUTH BAY APPAREL	250 MOORE ST	RCRA NonGen / NLR	Lower	1108, NNE
<a href="#">AE180</a>		917 BROADWAY	EDR US Hist Cleaners	Higher	1118, South
<a href="#">Z181</a>	CON EDISON - MANHOLE	MOORE STREET & BUSHW	RCRA-LQG, NJ MANIFEST	Lower	1118, NW
<a href="#">AI182</a>	CON EDISON	62 CENTRAL AVE	NY MANIFEST	Higher	1121, East
<a href="#">AF183</a>	A TO Z APPLIQUE DIE	260 MOORE ST	RCRA NonGen / NLR, FINDS	Lower	1122, NNE
<a href="#">AB184</a>	FRANK BRUNKHORST CO.	24 ROCK STREET	NY UST	Lower	1125, NE
<a href="#">AB185</a>	FRANK BRUNKHORST CO.	24 ROCK STREET	NY AST	Lower	1125, NE
<a href="#">AB186</a>	FRANK BRUNCKHORST CO	24 ROCK ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1125, NE
<a href="#">AA187</a>	292 ELLERY ST	292 ELLERY STREET	NY UST	Lower	1136, WSW
<a href="#">AF188</a>		261 MOORE ST	EDR US Hist Auto Stat	Lower	1139, NNE
<a href="#">AE189</a>	CON EDISON	916 BROADWAY	NY MANIFEST	Higher	1142, South
<a href="#">Z190</a>	CONSOLIDATED EDISON	MOORE STREET & BUSHW	NY MANIFEST	Lower	1153, NW
<a href="#">Y191</a>	CON EDISON	28 JEFFERSON ST	NY MANIFEST	Higher	1159, SSE
<a href="#">AD192</a>	COOPER TANK & WELDIN	215 MOORE STREET	NY LTANKS	Lower	1159, North
<a href="#">AJ193</a>	CON EDISON	OPP 362 STOCKTON ST	NY MANIFEST	Higher	1160, SSW
<a href="#">AJ194</a>	ACQUISITION INITIATI	362-364 STOCKTON STR	NY AST	Higher	1162, SSW
<a href="#">AK195</a>	GOOD NEIGHBORHOOD CL	791 FLUSHING AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1182, West

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<a href="#">AK196</a>		791 FLUSHING AVE	EDR US Hist Cleaners	Lower	1182, West
<a href="#">AK197</a>	JOYFUL CLEANERS	789 FLUSHING AVE	RCRA-SQG	Lower	1203, West
<a href="#">AK198</a>	JOYFUL/A & K/GOOD NE	789 FLUSHING AVENUE	NY DRYCLEANERS	Lower	1203, West
<a href="#">AK199</a>		789 FLUSHING AVE	EDR US Hist Cleaners	Lower	1203, West
<a href="#">AK200</a>	JOYFUL CLEANERS	789 FLUSHING AVE	NY MANIFEST	Lower	1203, West
<a href="#">AI201</a>	VERIZON NEW YORK INC	70 CENTRAL AVE	RCRA NonGen / NLR, FINDS	Higher	1205, East
<a href="#">AI202</a>	VERIZON NEW YORK INC	70 CENTRAL AVENUE	NY TANKS, NY Spills	Higher	1205, East
<a href="#">AC203</a>	NOLL ST REALTY	144 NOLL ST	NY AST	Lower	1206, ENE
<a href="#">AC204</a>	COURTER & CO INC	144 NOLL ST	NY SWRCY, NY HIST AST	Lower	1206, ENE
<a href="#">AI205</a>	CON EDISON	72 CENTRAL AVE	NY MANIFEST	Higher	1217, East
<a href="#">AI206</a>	CON EDISON MANHOLE:	72 CENTRAL AVE	RCRA-CESQG, FINDS	Higher	1217, East
<a href="#">AL207</a>	CON ED	20 JEFFERSON ST	NY MANIFEST	Higher	1218, SSE
<a href="#">AL208</a>	CON EDISON SERVICE B	20 JEFFERSON ST	RCRA NonGen / NLR, FINDS	Higher	1218, SSE
<a href="#">209</a>		5 BUSHWICK CT	EDR US Hist Auto Stat	Lower	1235, NW
<a href="#">210</a>	CON EDISON	FRONT OF 40 BOGARTS	NY MANIFEST	Lower	1237, NNE
<a href="#">AM211</a>	CON EDISON SERVICE B	37 TROUTMAN ST	RCRA NonGen / NLR, FINDS	Higher	1255, SE
<a href="#">AM212</a>	CON EDISON	37 TROUTMAN ST	NY MANIFEST	Higher	1255, SE
<a href="#">AE213</a>		15 JEFFERSON ST	EDR US Hist Auto Stat	Higher	1256, SSE
<a href="#">AE214</a>	CON EDISON	OPP 15 JEFFERSON ST	NY MANIFEST	Higher	1256, SSE
<a href="#">AM215</a>	CON EDISON - MANHOLE	53 TROUTMAN STREET	RCRA-LQG	Higher	1266, SE
<a href="#">AM216</a>	CONED	53 TROUTMAN STREET	NY MANIFEST	Higher	1266, SE
<a href="#">AM217</a>	NYNEX	TROUTMAN ST & BUSHWI	NY MANIFEST	Higher	1272, SSE
<a href="#">AM218</a>	SHELL SERVICE STATIO	613 BUSHWICK AVENUE	NY UST	Higher	1280, SSE
<a href="#">AM219</a>	CON EDISON	52 TROUTMAN ST	NY MANIFEST	Higher	1280, SE
<a href="#">220</a>	147 NOLL STREET	147 NOLL ST	NY LTANKS	Lower	1284, ENE
<a href="#">AN221</a>	TOP-LINE CONTRACTING	246 SEIGEL ST	RCRA-SQG	Lower	1292, North
<a href="#">AN222</a>	TOP-LINE CONTRACTING	246 SEIGEL ST	NY MANIFEST	Lower	1292, North
<a href="#">AE223</a>	CON EDISON	937 BROADWAY	NY MANIFEST	Higher	1292, South
<a href="#">AM224</a>	CON EDISON	645 BUSHWICK AVE	NY MANIFEST	Higher	1293, SSE
<a href="#">225</a>	NYCHA - SUMNER	20 LEWIS AVE	RCRA NonGen / NLR, FINDS	Higher	1296, SSW
<a href="#">AM226</a>	CON EDISON	FRONT OF 18 TROUTMAN	NY MANIFEST	Higher	1301, SSE
<a href="#">AG227</a>	CON EDISON	62 TROUTMAN ST	NY MANIFEST	Higher	1309, SE
<a href="#">AO228</a>	SPILL NUMBER 0303435	130 MOORE ST	NY LTANKS	Lower	1356, NW
<a href="#">229</a>	56-72 BOGART ST	56-72 BOGART STREET	NY LTANKS, NY UST	Lower	1485, NNE
<a href="#">230</a>	MARC KATZMAN	255 MCKIBBON ST	NY LTANKS	Lower	1567, NNW
<a href="#">AP231</a>	CON EDISON	155 SIEGEL ST	NY LTANKS, NY MANIFEST	Lower	1596, NW
<a href="#">AO232</a>	COOPER TANK & WELDIN	222-26 SIEGAL AVE	NY SWF/LF	Lower	1599, NW
<a href="#">AQ233</a>	BORINQUEN HOUSES	330 BUSHWICK AVENUE	NY LTANKS, NY UST, NY Spills	Lower	1631, NNW
<a href="#">234</a>	35 GRAHM AVE.	35 GRAHM AVE	NY LTANKS	Lower	1648, WNW

MAPPED SITES SUMMARY

Target Property Address:  
501 BUSHWICK AVENUE  
, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
<a href="#">235</a>	WILLOUGHBY NURSING H	949 WILLOUGHBY AVE	NY LTANKS, NY HIST UST, NY AST	Higher	1650, SE
<a href="#">236</a>	353 MCKIBBIN STREET	353 MCKIBBIN STREET	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELD	Lower	1651, North
<a href="#">237</a>	PRIVATE PARKING AREA	358-374 VERNON AVE	NY LTANKS	Higher	1692, South
<a href="#">AQ238</a>	BORINQUEN HOUSES	300 BUSHWICK AVENUE	NY LTANKS, NY UST	Lower	1721, NNW
<a href="#">AP239</a>	BORINQUEN PLAZA	110 HUMBOLDT STREET	NY LTANKS, NY UST	Lower	1802, NW
<a href="#">240</a>	SPILL NUMBER 0303441	318 BOERUM ST	NY LTANKS	Lower	1840, North
<a href="#">AR241</a>	BORINQUEN PLAZA	120 HUMBOLDT STREET	NY LTANKS, NY UST	Lower	1918, NW
<a href="#">242</a>	ROSE OF SHARON CHURC	1007 BROADWAY	NY LTANKS	Higher	1932, SSE
<a href="#">243</a>	303 VERNON AVE. -NYC	303 VERNON AVENUE	NY LTANKS, NY Spills	Higher	1944, SSW
<a href="#">AR244</a>	MANHOLE 71383	130 HUMBOLDT STREET	NY LTANKS, NY Spills	Lower	2028, NW
<a href="#">245</a>	MIRON LUMBER CO INC	268 JOHNSON AVE	NY LTANKS, NY HIST UST, NY Spills	Lower	2102, NNW
<a href="#">246</a>	MIRAMARS DRY CLEANER	103 WILSON AVE	RCRA-SQG, NY LTANKS, NY MANIFEST, US AIRS	Higher	2199, East
<a href="#">247</a>	ENVELOPE CONVERTERS	100 MORGAN AVENUE	NY LTANKS, NY MANIFEST	Lower	2206, NNE
<a href="#">AS248</a>	U. S. WASTE MANAGEME	48 KNICKERBOCKER (69	NY SWF/LF	Lower	2219, NE
<a href="#">249</a>	FORMER JAYER PLATING	2 INGRAHAM STREET	NY HSWDS	Lower	2236, NW
<a href="#">250</a>	CLOSED-LACKOF RECENT	113 THROOP AVE	NY LTANKS	Lower	2240, West
<a href="#">251</a>	BROOKLYN TRANSFER LL	105-115 THAMES STREE	NY SWF/LF, NY Spills, NY Financial Assurance	Lower	2258, NE
<a href="#">252</a>	BEDFORD AUTO SALES	984 MYRTLE AVE	NY SWF/LF	Higher	2275, SW
<a href="#">253</a>	POPULAR UNIFORM	88 INGRAHAM STREET	NY UST, NY VCP	Lower	2456, NE
<a href="#">AT254</a>	MORGAN TERMINAL	200 MORGAN AVE	NY HSWDS	Lower	2472, NNE
<a href="#">AS255</a>	CORNELL BEVERAGES IN	105 HARRISON PLACE	NY LTANKS, NY UST, NY HIST UST	Lower	2478, NE
<a href="#">256</a>	157 SUYDAM ST	157 SUYDAM ST & CENT	NY LTANKS	Higher	2488, ESE
<a href="#">257</a>	CLOSED-LACKOF RECENT	26 LAWTON STREET	NY LTANKS	Higher	2490, SSE
<a href="#">258</a>	COMMERCIAL PROPERTY	1-7 BUSHWICK PLACE	NY LTANKS, NY Spills	Lower	2614, NNW
<a href="#">AT259</a>	GORDON INTERNATIONAL	140 MORGAN AVENUE	NY LTANKS, NY Spills	Lower	2621, NNE
<a href="#">260</a>	SCHOLES ST. STATION	SCHOLES ST 7 BOGART	EDR MGP	Lower	2814, North
<a href="#">261</a>	PFIZER INC	13 BARTLETT ST	CORRACTS, RCRA-LQG, ICIS, RAATS, NY MANIFEST	Lower	3085, West
<a href="#">262</a>	TECHNICAL METAL FINI	214 STARR STREET	CERC-NFRAP, NY SHWS	Lower	3558, ENE
<a href="#">263</a>	VARICK AVENUE	165 VARICK AVENUE	NY SHWS	Lower	3985, NNE
<a href="#">264</a>	NEWTOWN CREEK SUPERF	NEWTOWN CRK - N LAT	NPL, CERCLIS, RCRA-SQG	Lower	5039, NNE
<a href="#">265</a>	TECHTRONICS ECOLOGIC	8 WALWORTH ST	CORRACTS, RCRA NonGen / NLR, NY MANIFEST	Lower	5161, West

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
LOT 1,TAXBLOCK 3141 501 BUSHWICK AVENUE BROOKLYN, NY 11206	NY E DESIGNATION	N/A

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL: A review of the NPL list, as provided by EDR, and dated 09/29/2014 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>NEWTOWN CREEK SUPERF</i></b>	<b><i>NEWTOWN CRK - N LAT</i></b>	<b><i>NNE 1/2 - 1 (0.954 mi.)</i></b>	<b><i>264</i></b>	<b><i>59</i></b>

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS: A review of the CORRACTS list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PFIZER INC</i></b>	<b><i>13 BARTLETT ST</i></b>	<b><i>W 1/2 - 1 (0.584 mi.)</i></b>	<b><i>261</i></b>	<b><i>59</i></b>
<b><i>TECHTRONICS ECOLOGIC</i></b>	<b><i>8 WALWORTH ST</i></b>	<b><i>W 1/2 - 1 (0.977 mi.)</i></b>	<b><i>265</i></b>	<b><i>60</i></b>

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - MANHOLE</b>	<b>59 JEFFERSON STREET</b>	<b>SE 1/8 - 1/4 (0.191 mi.)</b>	<b>R149</b>	<b>35</b>
CON EDISON - MANHOLE	53 TROUTMAN STREET	SE 1/8 - 1/4 (0.240 mi.)	AM215	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - MANHOLE</b>	<b>FLUSHING AVE &amp; BEAVE</b>	<b>W 1/8 - 1/4 (0.146 mi.)</b>	<b>O108</b>	<b>27</b>
CON EDISON - MANHOLE	MOORE STREET & BUSHW	NW 1/8 - 1/4 (0.212 mi.)	Z181	42

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOYFUL CLEANERS	789 FLUSHING AVE	W 1/8 - 1/4 (0.228 mi.)	AK197	45
TOP-LINE CONTRACTING	246 SEIGEL ST	N 1/8 - 1/4 (0.245 mi.)	AN221	50

RCRA-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>REMAINS LIGHTING</b>	<b>21 BELVIDERE ST</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>T118</b>	<b>29</b>
CON EDISON	MELROSE AVE & EVERGR	ESE 1/8 - 1/4 (0.172 mi.)	V131	32
<b>CON EDISON MANHOLE:</b>	<b>72 CENTRAL AVE</b>	<b>E 1/8 - 1/4 (0.230 mi.)</b>	<b>AI206</b>	<b>47</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NYC DEPT OF ED - PUB	18 BEAVER ST	W 0 - 1/8 (0.118 mi.)	K79	22
<b>NYCHA - BUSHWICK HOU</b>	<b>372 BUSHWICK AVE</b>	<b>NW 1/8 - 1/4 (0.201 mi.)</b>	<b>Z161</b>	<b>38</b>

### ***State- and tribal - equivalent CERCLIS***

NY SHWS: A review of the NY SHWS list, as provided by EDR, and dated 09/24/2014 has revealed that there are 2 NY SHWS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>TECHNICAL METAL FINI</b>	<b>214 STARR STREET</b>	<b>ENE 1/2 - 1 (0.674 mi.)</b>	<b>262</b>	<b>59</b>
VARICK AVENUE	165 VARICK AVENUE	NNE 1/2 - 1 (0.755 mi.)	263	59

## EXECUTIVE SUMMARY

### **State and tribal landfill and/or solid waste disposal site lists**

NY SWF/LF: A review of the NY SWF/LF list, as provided by EDR, and dated 10/07/2014 has revealed that there are 6 NY SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BEDFORD AUTO SALES	984 MYRTLE AVE	SW 1/4 - 1/2 (0.431 mi.)	252	57
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAM AUTO WRECKERS	230 COOK STREET	NNE 1/8 - 1/4 (0.130 mi.)	I95	25
COOPER TANK RECYCLIN	201-203 MOORE STREET	N 1/8 - 1/4 (0.198 mi.)	AD159	37
COOPER TANK & WELDIN	222-26 SIEGAL AVE	NW 1/4 - 1/2 (0.303 mi.)	AO232	52
U. S. WASTE MANAGEME	48 KNICKERBOCKER (69	NE 1/4 - 1/2 (0.420 mi.)	AS248	56
<b>BROOKLYN TRANSFER LL</b>	<b>105-115 THAMES STREE</b>	<b>NE 1/4 - 1/2 (0.428 mi.)</b>	<b>251</b>	<b>57</b>

### **State and tribal leaking storage tank lists**

NY LTANKS: A review of the NY LTANKS list, as provided by EDR, and dated 08/18/2014 has revealed that there are 36 NY LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST BUSHWICK HOUSIN Spill Number/Closed Date: 0008389 / 6/9/2004	86-88 BEAVER ST	SSW 0 - 1/8 (0.066 mi.)	F55	17
GARATZIOTIS, ARISS R Spill Number/Closed Date: 0510383 / 12/5/2005	578 BUSHWICK AVENUE	SSE 1/8 - 1/4 (0.137 mi.)	P97	25
<b>CON EDISON</b> Spill Number/Closed Date: 8903570 / 9/30/1992 Spill Number/Closed Date: 9801773 / 11/26/2004	<b>95 EVERGREEN AVE</b>	<b>ESE 1/8 - 1/4 (0.162 mi.)</b>	<b>V123</b>	<b>30</b>
<b>SUMNER HOUSES</b> Spill Number/Closed Date: 9505222 / Not Reported Spill Number/Closed Date: 9505160 / 10/30/2003	<b>10 LEWIS AVE</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>W167</b>	<b>39</b>
<b>ELITE CHEMICAL CO</b> Spill Number/Closed Date: 9300224 / 7/26/1993	<b>105 EVERGREEN ST</b>	<b>ESE 1/8 - 1/4 (0.203 mi.)</b>	<b>V168</b>	<b>39</b>
41 JEFFERSON ST Spill Number/Closed Date: 0211153 / 2/6/2003	41 JEFFERSON ST	SSE 1/8 - 1/4 (0.209 mi.)	Y175	40
<b>WILLOUGHBY NURSING H</b> Spill Number/Closed Date: 8710918 / 10/7/1992	<b>949 WILLOUGHBY AVE</b>	<b>SE 1/4 - 1/2 (0.312 mi.)</b>	<b>235</b>	<b>53</b>
PRIVATE PARKING AREA Spill Number/Closed Date: 9711963 / 7/14/1999	358-374 VERNON AVE	S 1/4 - 1/2 (0.320 mi.)	237	53
ROSE OF SHARON CHURC Spill Number/Closed Date: 9702141 / 3/10/2003	1007 BROADWAY	SSE 1/4 - 1/2 (0.366 mi.)	242	54
<b>303 VERNON AVE. -NYC</b> Spill Number/Closed Date: 9011525 / 7/28/1995	<b>303 VERNON AVENUE</b>	<b>SSW 1/4 - 1/2 (0.368 mi.)</b>	<b>243</b>	<b>55</b>
<b>MIRAMARS DRY CLEANER</b> Spill Number/Closed Date: 9611402 / 6/16/2003	<b>103 WILSON AVE</b>	<b>E 1/4 - 1/2 (0.416 mi.)</b>	<b>246</b>	<b>56</b>
157 SUYDAM ST Spill Number/Closed Date: 9413391 / 1/7/1995	157 SUYDAM ST & CENT	ESE 1/4 - 1/2 (0.471 mi.)	256	58

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLOSED-LACKOF RECENT Spill Number/Closed Date: 9103589 / 3/5/2003	26 LAWTON STREET	SSE 1/4 - 1/2 (0.472 mi.)	257	58
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GONZALEZ RESIDENCE Spill Number/Closed Date: 0514546 / 3/21/2006	29 BEAVER ST	WSW 0 - 1/8 (0.096 mi.)	K67	20
<b>SCHWARTZ BROS REALTY</b> Spill Number/Closed Date: 0302890 / 10/30/2003	<b>114 FORREST ST</b>	<b>NE 1/8 - 1/4 (0.167 mi.)</b>	<b>S127</b>	<b>31</b>
CONWAY/EMPTY BUILDIN Spill Number/Closed Date: 1215990 / Not Reported	815 BROADWAY	WSW 1/8 - 1/4 (0.195 mi.)	X158	37
<b>BUSHWICK HOUSES</b> Spill Number/Closed Date: 9505310 / 11/2/2005	<b>24 HUMBOLDT STREET</b>	<b>WNW 1/8 - 1/4 (0.209 mi.)</b>	<b>AH176</b>	<b>41</b>
COOPER TANK & WELDIN Spill Number/Closed Date: 0312904 / 6/6/2011	215 MOORE STREET	N 1/8 - 1/4 (0.220 mi.)	AD192	44
147 NOLL STREET Spill Number/Closed Date: 0006735 / 12/6/2002	147 NOLL ST	ENE 1/8 - 1/4 (0.243 mi.)	220	49
SPILL NUMBER 0303435 Spill Number/Closed Date: 0303435 / 7/2/2003	130 MOORE ST	NW 1/4 - 1/2 (0.257 mi.)	AO228	51
<b>56-72 BOGART ST</b> Spill Number/Closed Date: 9709358 / 8/9/2005	<b>56-72 BOGART STREET</b>	<b>NNE 1/4 - 1/2 (0.281 mi.)</b>	<b>229</b>	<b>51</b>
MARC KATZMAN Spill Number/Closed Date: 0410531 / 11/30/2005 Spill Number/Closed Date: 0407643 / 11/30/2005	255 MCKIBBON ST	NNW 1/4 - 1/2 (0.297 mi.)	230	51
<b>CON EDISON</b> Spill Number/Closed Date: 9711438 / 7/12/2010 Spill Number/Closed Date: 9100258 / 1/12/1998	<b>155 SIEGEL ST</b>	<b>NW 1/4 - 1/2 (0.302 mi.)</b>	<b>AP231</b>	<b>52</b>
<b>BORINQUEN HOUSES</b> Spill Number/Closed Date: 9601914 / 12/9/2005	<b>330 BUSHWICK AVENUE</b>	<b>NNW 1/4 - 1/2 (0.309 mi.)</b>	<b>AQ233</b>	<b>52</b>
35 GRAHM AVE. Spill Number/Closed Date: 9302281 / 5/19/1993	35 GRAHM AVE	WNW 1/4 - 1/2 (0.312 mi.)	234	52
<b>BORINQUEN HOUSES</b> Spill Number/Closed Date: 9010701 / 1/13/1998 Spill Number/Closed Date: 9712046 / 2/6/2004 Spill Number/Closed Date: 9711478 / 2/2/1998	<b>300 BUSHWICK AVENUE</b>	<b>NNW 1/4 - 1/2 (0.326 mi.)</b>	<b>AQ238</b>	<b>53</b>
<b>BORINQUEN PLAZA</b> Spill Number/Closed Date: 9605290 / 11/10/2010	<b>110 HUMBOLDT STREET</b>	<b>NW 1/4 - 1/2 (0.341 mi.)</b>	<b>AP239</b>	<b>54</b>
SPILL NUMBER 0303441 Spill Number/Closed Date: 0303441 / 4/23/2004	318 BOERUM ST	N 1/4 - 1/2 (0.348 mi.)	240	54
<b>BORINQUEN PLAZA</b> Spill Number/Closed Date: 9807939 / 10/28/2010	<b>120 HUMBOLDT STREET</b>	<b>NW 1/4 - 1/2 (0.363 mi.)</b>	<b>AR241</b>	<b>54</b>
<b>MANHOLE 71383</b> Spill Number/Closed Date: 9402292 / 1/8/2004 Spill Number/Closed Date: 9905903 / 1/8/2004	<b>130 HUMBOLDT STREET</b>	<b>NW 1/4 - 1/2 (0.384 mi.)</b>	<b>AR244</b>	<b>55</b>
<b>MIRON LUMBER CO INC</b> Spill Number/Closed Date: 8904846 / 5/6/2008 Spill Number/Closed Date: 9913444 / 1/14/2009	<b>268 JOHNSON AVE</b>	<b>NNW 1/4 - 1/2 (0.398 mi.)</b>	<b>245</b>	<b>55</b>
<b>ENVELOPE CONVERTERS</b> Spill Number/Closed Date: 9909719 / 11/20/2000	<b>100 MORGAN AVENUE</b>	<b>NNE 1/4 - 1/2 (0.418 mi.)</b>	<b>247</b>	<b>56</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLOSED-LACKOF RECENT Spill Number/Closed Date: 8707623 / 3/4/2003	113 THROOP AVE	W 1/4 - 1/2 (0.424 mi.)	250	56
<b>CORNELL BEVERAGES IN</b> Spill Number/Closed Date: 9610865 / 10/17/2008 Spill Number/Closed Date: 0706869 / 10/17/2008	<b>105 HARRISON PLACE</b>	<b>NE 1/4 - 1/2 (0.469 mi.)</b>	<b>AS255</b>	<b>57</b>
<b>COMMERCIAL PROPERTY</b> Spill Number/Closed Date: 0300112 / 3/24/2004	<b>1-7 BUSHWICK PLACE</b>	<b>NNW 1/4 - 1/2 (0.495 mi.)</b>	<b>258</b>	<b>58</b>
<b>GORDON INTERNATIONAL</b> Spill Number/Closed Date: 8910515 / 2/3/1990	<b>140 MORGAN AVENUE</b>	<b>NNE 1/4 - 1/2 (0.496 mi.)</b>	<b>AT259</b>	<b>58</b>

### State and tribal registered storage tank lists

NY TANKS: A review of the NY TANKS list, as provided by EDR, and dated 09/30/2014 has revealed that there are 2 NY TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOAL REALTY CORP.	6 STANWIX STREET	SSE 1/8 - 1/4 (0.193 mi.)	Y154	36
<b>VERIZON NEW YORK INC</b>	<b>70 CENTRAL AVENUE</b>	<b>E 1/8 - 1/4 (0.228 mi.)</b>	<b>AI202</b>	<b>46</b>

NY UST: A review of the NY UST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 13 NY UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
95 EVERGREEN ASSOCIA	95 EVERGREEN AVENUE	ESE 1/8 - 1/4 (0.162 mi.)	V122	30
<b>SUMNER HOUSES</b>	<b>10 LEWIS AVENUE</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>W165</b>	<b>38</b>
CAVALIER REALTY LLC	105 EVERGREEN AVENUE	ESE 1/8 - 1/4 (0.203 mi.)	V169	39
SHELL SERVICE STATIO	613 BUSHWICK AVENUE	SSE 1/8 - 1/4 (0.242 mi.)	AM218	49
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARBA GAS INC	456 BUSHWICK AVENUE	NW 0 - 1/8 (0.044 mi.)	C40	14
<b>JASWICK MART, INC.</b>	<b>864 FLUSHING AVENUE</b>	<b>WNW 0 - 1/8 (0.052 mi.)</b>	<b>C48</b>	<b>16</b>
POLICE SERVICE AREA	25 CENTRAL AVENUE	ENE 1/8 - 1/4 (0.145 mi.)	Q105	27
<b>ADOR CONVERTING, INC</b>	<b>232-234 VARET ST</b>	<b>NNE 1/8 - 1/4 (0.160 mi.)</b>	<b>U119</b>	<b>29</b>
<b>MARTIN GREENFIELD CL</b>	<b>239 VARET ST</b>	<b>NNE 1/8 - 1/4 (0.161 mi.)</b>	<b>U120</b>	<b>30</b>
<b>VACANT LOT</b>	<b>126-130 NOLL STREET</b>	<b>ENE 1/8 - 1/4 (0.193 mi.)</b>	<b>AC153</b>	<b>36</b>
BUSHWICK/HYLAN HOUSE	24 HUMBOLDT STREET	WNW 1/8 - 1/4 (0.209 mi.)	AH177	41
FRANK BRUNKHORST CO.	24 ROCK STREET	NE 1/8 - 1/4 (0.213 mi.)	AB184	42
292 ELLERY ST	292 ELLERY STREET	WSW 1/8 - 1/4 (0.215 mi.)	AA187	43

## EXECUTIVE SUMMARY

NY AST: A review of the NY AST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 15 NY AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAGIC CAR WASH & LUB	494 BUSHWICK AVE	WSW 0 - 1/8 (0.004 mi.)	A24	11
<b>NYC BD OF ED - PUBLI</b>	<b>100 NOLL ST</b>	<b>ENE 1/8 - 1/4 (0.142 mi.)</b>	<b>Q103</b>	<b>26</b>
HERNANDEZ AUTO REPAI	11 STANWIX STREET	SSE 1/8 - 1/4 (0.165 mi.)	R125	31
K&G AUTO PARTS INC.	600 BUSHWICK AVENUE	SSE 1/8 - 1/4 (0.173 mi.)	P133	32
<b>AMOCO SERVICE STATIO</b>	<b>613 BUSHWICK AVENUE</b>	<b>SSE 1/8 - 1/4 (0.181 mi.)</b>	<b>Y137</b>	<b>33</b>
ACQUISITION INITIATI	362-364 STOCKTON STR	SSW 1/8 - 1/4 (0.220 mi.)	AJ194	44
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
464 BUSHWICK AVENUE	464 BUSHWICK AVE	NW 0 - 1/8 (0.028 mi.)	C35	13
<b>890 FLUSHING AVENUE</b>	<b>890 FLUSHING AVENUE</b>	<b>NNW 0 - 1/8 (0.047 mi.)</b>	<b>C45</b>	<b>15</b>
CASTEL BALJAC	10 EVERGREEN AVENUE	NE 0 - 1/8 (0.106 mi.)	I72	21
<b>PS 120</b>	<b>18 BEAVER ST</b>	<b>W 0 - 1/8 (0.118 mi.)</b>	<b>K78</b>	<b>22</b>
POLICE SERVICE AREA	25 CENTRAL AVENUE	ENE 1/8 - 1/4 (0.145 mi.)	Q106	27
SCHWARTZ BROS REALTY	114 FORREST ST	NE 1/8 - 1/4 (0.167 mi.)	S126	31
815 BROADWAY	815 BROADWAY	WSW 1/8 - 1/4 (0.183 mi.)	AA141	34
FRANK BRUNKHORST CO.	24 ROCK STREET	NE 1/8 - 1/4 (0.213 mi.)	AB185	43
NOLL ST REALTY	144 NOLL ST	ENE 1/8 - 1/4 (0.228 mi.)	AC203	46

NY CBS AST: A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BUSHWICK</b>	<b>BUSHWICK AVE., FLASH</b>	<b>NNE 0 - 1/8 (0.041 mi.)</b>	<b>D36</b>	<b>13</b>

NY CBS: A review of the NY CBS list, as provided by EDR, and dated 09/30/2014 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BUSHWICK</b>	<b>BUSHWICK AVE., FLASH</b>	<b>NNE 0 - 1/8 (0.041 mi.)</b>	<b>D36</b>	<b>13</b>

### **State and tribal institutional control / engineering control registries**

NY ENG CONTROLS: A review of the NY ENG CONTROLS list, as provided by EDR, and dated 09/24/2014 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>353 MCKIBBIN STREET</b>	<b>353 MCKIBBIN STREET</b>	<b>N 1/4 - 1/2 (0.313 mi.)</b>	<b>236</b>	<b>53</b>

## EXECUTIVE SUMMARY

NY INST CONTROL: A review of the NY INST CONTROL list, as provided by EDR, and dated 09/24/2014 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
353 MCKIBBIN STREET	353 MCKIBBIN STREET	N 1/4 - 1/2 (0.313 mi.)	236	53

### ***State and tribal voluntary cleanup sites***

NY VCP: A review of the NY VCP list, as provided by EDR, and dated 09/24/2014 has revealed that there is 1 NY VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POPULAR UNIFORM	88 INGRAHAM STREET	NE 1/4 - 1/2 (0.465 mi.)	253	57

### ***State and tribal Brownfields sites***

NY BROWNFIELDS: A review of the NY BROWNFIELDS list, as provided by EDR, and dated 09/24/2014 has revealed that there is 1 NY BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
353 MCKIBBIN STREET	353 MCKIBBIN STREET	N 1/4 - 1/2 (0.313 mi.)	236	53

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

NY SWRCY: A review of the NY SWRCY list, as provided by EDR, and dated 10/07/2014 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COURTER & CO INC	144 NOLL ST	ENE 1/8 - 1/4 (0.228 mi.)	AC204	46

#### ***Local Lists of Registered Storage Tanks***

NY HIST UST: A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 6 NY HIST UST sites within approximately 0.25 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AMOCO SERVICE STATIO SUMNER HOUSES</b>	<b>613 BUSHWICK AVENUE 10 LEWIS AVENUE</b>	<b>SSE 1/8 - 1/4 (0.181 mi.) SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>Y137 W165</b>	<b>33 38</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>JASWICK MART, INC. ADOR CONVERTING, INC MARTIN GREENFIELD CL VACANT LOT</b>	<b>864 FLUSHING AVENUE 232-234 VARET ST 239 VARET ST 126-130 NOLL STREET</b>	<b>WNW 0 - 1/8 (0.052 mi.) NNE 1/8 - 1/4 (0.160 mi.) NNE 1/8 - 1/4 (0.161 mi.) ENE 1/8 - 1/4 (0.193 mi.)</b>	<b>C48 U119 U120 AC153</b>	<b>16 29 30 36</b>

### **Records of Emergency Release Reports**

NY Spills: A review of the NY Spills list, as provided by EDR, and dated 08/18/2014 has revealed that there are 21 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAGIC CAR WASH Spill Number/Closed Date: 0401651 / 6/22/2004	494 BUSHWICK AVENUE	WSW 0 - 1/8 (0.004 mi.)	A25	12
DRUM RUN Spill Number/Closed Date: 1303436 / 7/25/2013	534 BUSHWICK AVE	S 0 - 1/8 (0.061 mi.)	B52	17
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANHOLE #1293 Spill Number/Closed Date: 0403476 / 9/27/2004	FLUSHING AVE & STANW	NNE 0 - 1/8 (0.044 mi.)	D39	14
TM3584 Spill Number/Closed Date: 9902608 / 7/26/1999	FLUSHING AV / BUSHWI	NW 0 - 1/8 (0.045 mi.)	C42	15
GETTY STATION Spill Number/Closed Date: 9614354 / 6/22/2007	FLUSHING AVE/BUSHWIC	NW 0 - 1/8 (0.045 mi.)	C43	15
MANHOLE 628 Spill Number/Closed Date: 9902660 / 5/18/2000	FLUSHING AVE BUSHWIC	NW 0 - 1/8 (0.047 mi.)	C44	15
EXXON MOBIL Spill Number/Closed Date: 0701041 / 3/27/2008 Spill Number/Closed Date: 0607879 / 11/16/2006	864 FLUSHING AVE	WNW 0 - 1/8 (0.052 mi.)	C47	16
MANHOLE 627 Spill Number/Closed Date: 9902647 / 4/12/2002	FLUSHING AV & EVERGR	NE 0 - 1/8 (0.093 mi.)	I63	19
CONED MANHOLE # 0062 Spill Number/Closed Date: 0404320 / 10/21/2004	FLUSHING/EVERGREN AV	NE 0 - 1/8 (0.093 mi.)	I64	19
199 COOK STREET Spill Number/Closed Date: 9306392 / 8/25/1993	199 COOK STREET	NNE 0 - 1/8 (0.104 mi.)	M71	20
MANHOLE 75293 Spill Number/Closed Date: 0007006 / 11/27/2001	COOKE ST/WHITE ST	NNE 0 - 1/8 (0.111 mi.)	M74	21
WAREHOUSE Spill Number/Closed Date: 0809116 / Not Reported	211-217 COOK ST	NNE 0 - 1/8 (0.112 mi.)	M75	21
MANHOLE # 1020 Spill Number/Closed Date: 0306818 / 10/28/2003	830 FLUSHING AVE	W 0 - 1/8 (0.115 mi.)	G76	21
CON ED MANHOLE #0062 Spill Number/Closed Date: 0404321 / 10/21/2004	FLUSHING/CENTRAL AVE	NE 0 - 1/8 (0.120 mi.)	I82	23

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANHOLE #626 Spill Number/Closed Date: 0104157 / 8/23/2001	FLUSHING AV & CENTRA	NE 0 - 1/8 (0.120 mi.)	I83	23
CON ED MANHOLE #626 Spill Number/Closed Date: 0403499 / 7/1/2004	FLUSHING AVE/CENTRAL	NE 0 - 1/8 (0.120 mi.)	I84	23
MANHOLE 626 Spill Number/Closed Date: 0001772 / 9/24/2001	FLUSHING AV/CENTRAL	NE 0 - 1/8 (0.120 mi.)	I85	23
UNDER GROUND Spill Number/Closed Date: 1311593 / Not Reported	946-954 FLUSHING AVE	NE 0 - 1/8 (0.121 mi.)	I86	23
MANHOLE 622 Spill Number/Closed Date: 0007130 / 10/27/2000	COOK ST/EVERGREEN AV	NNE 0 - 1/8 (0.122 mi.)	I89	24
EVERGREEN AV/COOK ST Spill Number/Closed Date: 9900960 / 5/4/1999	EVERGREEN AV/COOK ST	NNE 0 - 1/8 (0.122 mi.)	I90	24
MANHOLE 9116 Spill Number/Closed Date: 0005330 / 11/13/2001	205 VARET STREET IN	N 0 - 1/8 (0.123 mi.)	N92	25

### Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 21 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NYC BD OF ED - PUBLI	100 NOLL ST	ENE 1/8 - 1/4 (0.142 mi.)	Q102	26
<b>NEW YORK TELEPHONE</b>	<b>BROADWAY &amp; LOCUST</b>	<b>SW 1/8 - 1/4 (0.170 mi.)</b>	<b>W129</b>	<b>31</b>
<b>ARLON ENTERPRISES LL</b>	<b>927 ARLON PL</b>	<b>S 1/8 - 1/4 (0.172 mi.)</b>	<b>T132</b>	<b>32</b>
LYNNS SERVICE STATIO	613 BUSHWICK AVE	SSE 1/8 - 1/4 (0.188 mi.)	Y147	35
<b>NYCHA - SUMNER HOUSE</b>	<b>10 LEWIS AVE</b>	<b>SSW 1/8 - 1/4 (0.202 mi.)</b>	<b>W166</b>	<b>39</b>
ELITE CHEMICAL CO	105 EVERGREEN ST	ESE 1/8 - 1/4 (0.203 mi.)	V170	39
<b>VERIZON NEW YORK INC</b>	<b>70 CENTRAL AVE</b>	<b>E 1/8 - 1/4 (0.228 mi.)</b>	<b>AI201</b>	<b>46</b>
<b>CON EDISON SERVICE B</b>	<b>20 JEFFERSON ST</b>	<b>SSE 1/8 - 1/4 (0.231 mi.)</b>	<b>AL208</b>	<b>47</b>
<b>CON EDISON SERVICE B</b>	<b>37 TROUTMAN ST</b>	<b>SE 1/8 - 1/4 (0.238 mi.)</b>	<b>AM211</b>	<b>48</b>
<b>NYCHA - SUMNER</b>	<b>20 LEWIS AVE</b>	<b>SSW 1/8 - 1/4 (0.245 mi.)</b>	<b>225</b>	<b>50</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON MANHOLE 6</b>	<b>FLUSHING AVE &amp; EVERG</b>	<b>NE 0 - 1/8 (0.092 mi.)</b>	<b>I62</b>	<b>19</b>
CON EDISON - MANHOLE	FLUSHING AVE & EVERG	NE 0 - 1/8 (0.093 mi.)	I65	19
CON EDISON	231 VARET ST	NNE 1/8 - 1/4 (0.152 mi.)	M113	28
<b>CON EDISON - VS 227</b>	<b>231 VARET STREET</b>	<b>NNE 1/8 - 1/4 (0.152 mi.)</b>	<b>M114</b>	<b>28</b>
<b>TIMMES INDUSTRIAL MA</b>	<b>24 FAYETTE ST</b>	<b>WSW 1/8 - 1/4 (0.194 mi.)</b>	<b>AA156</b>	<b>37</b>
<b>MESTOLE STORE CONSTR</b>	<b>122 FORREST ST</b>	<b>NE 1/8 - 1/4 (0.204 mi.)</b>	<b>171</b>	<b>40</b>
<b>RONPAT PRINTING INC</b>	<b>250 MOORE ST</b>	<b>NNE 1/8 - 1/4 (0.210 mi.)</b>	<b>AF178</b>	<b>41</b>
SOUTH BAY APPAREL	250 MOORE ST	NNE 1/8 - 1/4 (0.210 mi.)	AF179	41
<b>A TO Z APPLIQUE DIE</b>	<b>260 MOORE ST</b>	<b>NNE 1/8 - 1/4 (0.213 mi.)</b>	<b>AF183</b>	<b>42</b>
<b>FRANK BRUNCKHORST CO</b>	<b>24 ROCK ST</b>	<b>NE 1/8 - 1/4 (0.213 mi.)</b>	<b>AB186</b>	<b>43</b>
<b>GOOD NEIGHBORHOOD CL</b>	<b>791 FLUSHING AVE</b>	<b>W 1/8 - 1/4 (0.224 mi.)</b>	<b>AK195</b>	<b>45</b>

## EXECUTIVE SUMMARY

NY HSWDS: A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 2 NY HSWDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER JAYER PLATING	2 INGRAHAM STREET	NW 1/4 - 1/2 (0.423 mi.)	249	56
MORGAN TERMINAL	200 MORGAN AVE	NNE 1/4 - 1/2 (0.468 mi.)	AT254	57

NY MANIFEST: A review of the NY MANIFEST list, as provided by EDR, and dated 11/01/2014 has revealed that there are 68 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON	70 BEAVER ST	SW 0 - 1/8 (0.066 mi.)	F54	17
CON EDISON	550 BUSHWICK AVE	S 0 - 1/8 (0.089 mi.)	H60	18
CON EDISON	82 EVERGREEN AV	ESE 0 - 1/8 (0.102 mi.)	L69	20
CON EDISON	91 BEAVER ST	S 0 - 1/8 (0.102 mi.)	H70	20
CON EDISON	28 PARK PL	SW 0 - 1/8 (0.116 mi.)	F77	22
CON EDISON	11 GEORGE ST	ESE 1/8 - 1/4 (0.138 mi.)	L98	26
CON EDISON	OPP 13 GEORGE ST	ESE 1/8 - 1/4 (0.140 mi.)	L101	26
<b>NYC BD OF ED - PUBLI</b>	<b>100 NOLL ST</b>	<b>ENE 1/8 - 1/4 (0.142 mi.)</b>	<b>Q103</b>	<b>26</b>
CON EDISON	106 MELROSE ST	SE 1/8 - 1/4 (0.145 mi.)	R107	27
CON ED	FRONT OF 131 MELROSE	ESE 1/8 - 1/4 (0.151 mi.)	R111	28
CON EDISON	72 MELROSE ST	SSE 1/8 - 1/4 (0.152 mi.)	P116	29
<b>REMAINS LIGHTING</b>	<b>21 BELVIDERE ST</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>T118</b>	<b>29</b>
<b>CON EDISON</b>	<b>95 EVERGREEN AVE</b>	<b>ESE 1/8 - 1/4 (0.162 mi.)</b>	<b>V123</b>	<b>30</b>
<b>NEW YORK TELEPHONE</b>	<b>BROADWAY &amp; LOCUST</b>	<b>SW 1/8 - 1/4 (0.170 mi.)</b>	<b>W129</b>	<b>31</b>
<b>ARLON ENTERPRISES LL</b>	<b>927 ARLON PL</b>	<b>S 1/8 - 1/4 (0.172 mi.)</b>	<b>T132</b>	<b>32</b>
CON EDISON	FRONT OF 37 MELROSE	S 1/8 - 1/4 (0.180 mi.)	P136	33
CON EDISON	829 BROADWAY	SW 1/8 - 1/4 (0.181 mi.)	X138	33
CON EDISON	11 ARION PL	S 1/8 - 1/4 (0.185 mi.)	T142	34
CON EDISON	889 BROADWAY	SSW 1/8 - 1/4 (0.187 mi.)	T144	34
CONSOLIDATED EDISON	59 JEFFERSON STREET	SE 1/8 - 1/4 (0.191 mi.)	R150	35
<b>CON EDISON</b>	<b>54 JEFFERSON ST</b>	<b>SE 1/8 - 1/4 (0.192 mi.)</b>	<b>R152</b>	<b>36</b>
CON EDISON	OPP 19 MELROSE ST	S 1/8 - 1/4 (0.199 mi.)	AE160	37
CON EDISON	93 JEFFERSON ST	ESE 1/8 - 1/4 (0.202 mi.)	AG163	38
CON EDISON	93 JEFFERSON ST	ESE 1/8 - 1/4 (0.202 mi.)	AG164	38
<b>ELITE CHEMICAL CO</b>	<b>105 EVERGREEN ST</b>	<b>ESE 1/8 - 1/4 (0.203 mi.)</b>	<b>V168</b>	<b>39</b>
CON EDISON	86 JEFFERSON ST	ESE 1/8 - 1/4 (0.204 mi.)	AG172	40
CON EDISON	86 JEFFERSON ST	ESE 1/8 - 1/4 (0.204 mi.)	AG173	40
CON EDISON	FO 13 MELROSE ST	S 1/8 - 1/4 (0.206 mi.)	AE174	40
CON EDISON	62 CENTRAL AVE	E 1/8 - 1/4 (0.212 mi.)	AI182	42
CON EDISON	916 BROADWAY	S 1/8 - 1/4 (0.216 mi.)	AE189	43
CON EDISON	28 JEFFERSON ST	SSE 1/8 - 1/4 (0.220 mi.)	Y191	44
CON EDISON	OPP 362 STOCKTON ST	SSW 1/8 - 1/4 (0.220 mi.)	AJ193	44
CON EDISON	72 CENTRAL AVE	E 1/8 - 1/4 (0.230 mi.)	AI205	47
CON ED	20 JEFFERSON ST	SSE 1/8 - 1/4 (0.231 mi.)	AL207	47
CON EDISON	37 TROUTMAN ST	SE 1/8 - 1/4 (0.238 mi.)	AM212	48
CON EDISON	OPP 15 JEFFERSON ST	SSE 1/8 - 1/4 (0.238 mi.)	AE214	48
CON ED	53 TROUTMAN STREET	SE 1/8 - 1/4 (0.240 mi.)	AM216	49
NYNEX	TROUTMAN ST & BUSHWI	SSE 1/8 - 1/4 (0.241 mi.)	AM217	49
CON EDISON	52 TROUTMAN ST	SE 1/8 - 1/4 (0.242 mi.)	AM219	49
CON EDISON	937 BROADWAY	S 1/8 - 1/4 (0.245 mi.)	AE223	50
CON EDISON	645 BUSHWICK AVE	SSE 1/8 - 1/4 (0.245 mi.)	AM224	50
CON EDISON	FRONT OF 18 TROUTMAN	SSE 1/8 - 1/4 (0.246 mi.)	AM226	51
CON EDISON	62 TROUTMAN ST	SE 1/8 - 1/4 (0.248 mi.)	AG227	51

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON	483 BUSHWICK AVE	W 0 - 1/8 (0.001 mi.)	A3	8
CON EDISON	FO 41 GARDEN ST	W 0 - 1/8 (0.048 mi.)	E46	16
NYNEX	FLUSHING AVE & GARDE	WNW 0 - 1/8 (0.090 mi.)	G61	18
NYNEX	FLUSHING & CENTRAL A	NE 0 - 1/8 (0.119 mi.)	I80	22
CON EDISON	975 FLUSHING AV	NE 0 - 1/8 (0.122 mi.)	I87	24
CON EDISON	COOK ST & EVERGREEN	NNE 0 - 1/8 (0.122 mi.)	I88	24
CON EDISON	219 COOK ST	NNE 1/8 - 1/4 (0.125 mi.)	I94	25
CON EDISON	OPP. 229 COOK ST	NNE 1/8 - 1/4 (0.131 mi.)	I96	25
CON EDISON	409 BUSHWICK AVE	NNW 1/8 - 1/4 (0.139 mi.)	J99	26
CONSOLIDATED EDISON	FLUSHING AVE & BEAVE	W 1/8 - 1/4 (0.146 mi.)	O109	28
CONSOLIDATED EDISON	210 VARET AVE & BUSH	N 1/8 - 1/4 (0.148 mi.)	M110	28
<b>CON EDISON - VS 227</b>	<b>231 VARET STREET</b>	<b>NNE 1/8 - 1/4 (0.152 mi.)</b>	<b>M114</b>	<b>28</b>
<b>CONSOLIDATED EDISON</b>	<b>231 231 VARET ST</b>	<b>NNE 1/8 - 1/4 (0.152 mi.)</b>	<b>M115</b>	<b>29</b>
NYNEX	BOGART ST & FLUSHING	NE 1/8 - 1/4 (0.163 mi.)	S124	30
CON EDISON	387 BUSHWICK AV	NNW 1/8 - 1/4 (0.182 mi.)	Z140	34
CON EDISON	383 BUSHWICK AVE	NNW 1/8 - 1/4 (0.188 mi.)	Z148	35
<b>TIMMES INDUSTRIAL MA</b>	<b>24 FAYETTE ST</b>	<b>WSW 1/8 - 1/4 (0.194 mi.)</b>	<b>AA156</b>	<b>37</b>
CON EDISON	MOORE ST. & WHITE ST	N 1/8 - 1/4 (0.201 mi.)	AF162	38
<b>MESTOLE STORE CONSTR</b>	<b>122 FORREST ST</b>	<b>NE 1/8 - 1/4 (0.204 mi.)</b>	<b>171</b>	<b>40</b>
<b>FRANK BRUNCKHORST CO</b>	<b>24 ROCK ST</b>	<b>NE 1/8 - 1/4 (0.213 mi.)</b>	<b>AB186</b>	<b>43</b>
CONSOLIDATED EDISON	MOORE STREET & BUSHW	NW 1/8 - 1/4 (0.218 mi.)	Z190	44
<b>GOOD NEIGHBORHOOD CL</b>	<b>791 FLUSHING AVE</b>	<b>W 1/8 - 1/4 (0.224 mi.)</b>	<b>AK195</b>	<b>45</b>
JOYFUL CLEANERS	789 FLUSHING AVE	W 1/8 - 1/4 (0.228 mi.)	AK200	46
CON EDISON	FRONT OF 40 BOGARTS	NNE 1/8 - 1/4 (0.234 mi.)	210	48
TOP-LINE CONTRACTING	246 SEIGEL ST	N 1/8 - 1/4 (0.245 mi.)	AN222	50

NJ MANIFEST: A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2014 has revealed that there are 5 NJ MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>REMAINS LIGHTING</b>	<b>21 BELVIDERE ST</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>T118</b>	<b>29</b>
<b>CON EDISON - MANHOLE</b>	<b>59 JEFFERSON STREET</b>	<b>SE 1/8 - 1/4 (0.191 mi.)</b>	<b>R149</b>	<b>35</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON MANHOLE 6</b>	<b>FLUSHING AVE &amp; EVERG</b>	<b>NE 0 - 1/8 (0.092 mi.)</b>	<b>I62</b>	<b>19</b>
<b>CON EDISON - MANHOLE</b>	<b>FLUSHING AVE &amp; BEAVE</b>	<b>W 1/8 - 1/4 (0.146 mi.)</b>	<b>O108</b>	<b>27</b>
<b>CON EDISON - MANHOLE</b>	<b>MOORE STREET &amp; BUSHW</b>	<b>NW 1/8 - 1/4 (0.212 mi.)</b>	<b>Z181</b>	<b>42</b>

NY DRYCLEANERS: A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/17/2014 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOYFUL/A & K/GOOD NE	789 FLUSHING AVENUE	W 1/8 - 1/4 (0.228 mi.)	AK198	45

## EXECUTIVE SUMMARY

NY E DESIGNATION: A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/04/2014 has revealed that there are 37 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 3,TAXBLOCK 3152	80 EVERGREEN AVENUE	ESE 0 - 1/8 (0.099 mi.)	L68	20
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 7,TAXBLOCK 3141	481 BUSHWICK AVENUE	WNW 0 - 1/8 (0.001 mi.)	A2	8
LOT 6,TAXBLOCK 3141	485 BUSHWICK AVENUE	W 0 - 1/8 (0.001 mi.)	A4	8
LOT 5,TAXBLOCK 3141	489 BUSHWICK AVENUE	W 0 - 1/8 (0.002 mi.)	A5	8
LOT 23,TAXBLOCK 3141	36 MONTIETH STREET	NNW 0 - 1/8 (0.002 mi.)	A6	8
LOT 12,TAXBLOCK 3141	14 MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A7	9
LOT 8,TAXBLOCK 3141	479 BUSHWICK AVENUE	WNW 0 - 1/8 (0.002 mi.)	A8	9
LOT 10,TAXBLOCK 3141	10 MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A9	9
LOT 22,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A10	9
LOT 24,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A11	9
LOT 21,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A12	9
LOT 20,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A13	10
LOT 35,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A14	10
LOT 14,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A15	10
LOT 11,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A16	10
LOT 30,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A17	10
LOT 15,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A18	10
LOT 27,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A19	11
LOT 23,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A20	11
LOT 25,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A21	11
LOT 26,TAXBLOCK 3139	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A22	11
LOT 18,TAXBLOCK 3141	MONTIETH STREET	WNW 0 - 1/8 (0.002 mi.)	A23	11
LOT 28,TAXBLOCK 3139	27 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A27	12
LOT 32,TAXBLOCK 3139	19 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A28	12
LOT 29,TAXBLOCK 3139	25 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A29	12
LOT 33,TAXBLOCK 3139	17 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A30	12
LOT 34,TAXBLOCK 3139	15 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A31	13
LOT 31,TAXBLOCK 3139	21 MONTIETH STREET	NW 0 - 1/8 (0.004 mi.)	A32	13
LOT 36,TAXBLOCK 3139	11 MONTIETH STREET	WNW 0 - 1/8 (0.004 mi.)	A33	13
LOT 21,TAXBLOCK 3139	908 FLUSHING AVENUE	NNE 0 - 1/8 (0.043 mi.)	D37	14
LOT 18,TAXBLOCK 3139	902 FLUSHING AVENUE	N 0 - 1/8 (0.044 mi.)	D38	14
LOT 11,TAXBLOCK 3138	31 GARDEN STREET	W 0 - 1/8 (0.056 mi.)	E50	16
LOT 32,TAXBLOCK 3138	860 FLUSHING AVENUE	WNW 0 - 1/8 (0.057 mi.)	C51	17
LOT 22,TAXBLOCK 3138	848 FLUSHING AVENUE	WNW 0 - 1/8 (0.076 mi.)	G56	18
LOT 20,TAXBLOCK 3138	846 FLUSHING AVENUE	WNW 0 - 1/8 (0.080 mi.)	G57	18
LOT 56,TAXBLOCK 3137	832 FLUSHING AVENUE	W 0 - 1/8 (0.110 mi.)	G73	21
LOT 51,TAXBLOCK 3137	828 FLUSHING AVENUE	W 0 - 1/8 (0.119 mi.)	G81	22

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP: A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site

## EXECUTIVE SUMMARY

within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SCHOLES ST. STATION	SCHOLES ST 7 BOGART	N 1/2 - 1 (0.533 mi.)	260	59

EDR US Hist Auto Stat: A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 24 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	494 BUSHWICK AVE	WSW 0 - 1/8 (0.004 mi.)	A26	12
Not reported	515 BUSHWICK AVE	SSW 0 - 1/8 (0.019 mi.)	B34	13
Not reported	582 BUSHWICK AVE	SSE 1/8 - 1/4 (0.144 mi.)	P104	27
Not reported	595 BUSHWICK AVE	SSE 1/8 - 1/4 (0.161 mi.)	P121	30
Not reported	840 BROADWAY	SW 1/8 - 1/4 (0.179 mi.)	X135	33
Not reported	613 BUSHWICK AVE	SSE 1/8 - 1/4 (0.188 mi.)	Y146	35
Not reported	4 STANWIX ST	SSE 1/8 - 1/4 (0.195 mi.)	Y157	37
Not reported	15 JEFFERSON ST	SSE 1/8 - 1/4 (0.238 mi.)	AE213	48

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	45 GARDEN ST	W 0 - 1/8 (0.045 mi.)	E41	15
Not reported	864 FLUSHING AVE	WNW 0 - 1/8 (0.052 mi.)	C49	16
Not reported	846 FLUSHING AVE	WNW 0 - 1/8 (0.080 mi.)	G58	18
Not reported	844 FLUSHING AVE	WNW 0 - 1/8 (0.084 mi.)	G59	18
Not reported	429 BUSHWICK AVE	NW 0 - 1/8 (0.095 mi.)	J66	19
Not reported	218 COOK ST	NNE 0 - 1/8 (0.123 mi.)	I91	24
Not reported	826 FLUSHING AVE	W 0 - 1/8 (0.124 mi.)	O93	25
Not reported	191 VARET ST	NNW 1/8 - 1/4 (0.151 mi.)	N112	28
Not reported	946 FLUSHING AVE	NE 1/8 - 1/4 (0.153 mi.)	S117	29
Not reported	248 VARET ST	NNE 1/8 - 1/4 (0.169 mi.)	U128	31
Not reported	250 VARET ST	NNE 1/8 - 1/4 (0.171 mi.)	U130	32
Not reported	34 FAYETTE ST	WSW 1/8 - 1/4 (0.186 mi.)	AA143	34
Not reported	17 BOGART ST	NE 1/8 - 1/4 (0.191 mi.)	AB151	36
Not reported	24 FAYETTE ST	WSW 1/8 - 1/4 (0.194 mi.)	AA155	36
Not reported	261 MOORE ST	NNE 1/8 - 1/4 (0.216 mi.)	AF188	43
Not reported	5 BUSHWICK CT	NW 1/8 - 1/4 (0.234 mi.)	209	47

EDR US Hist Cleaners: A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 8 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	835 BROADWAY	SW 1/8 - 1/4 (0.177 mi.)	X134	32
Not reported	882 BROADWAY	SSW 1/8 - 1/4 (0.181 mi.)	T139	33
Not reported	608 BUSHWICK AVE	SSE 1/8 - 1/4 (0.188 mi.)	Y145	34
Not reported	917 BROADWAY	S 1/8 - 1/4 (0.212 mi.)	AE180	42

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	856 FLUSHING AVE	WNW 0 - 1/8 (0.063 mi.)	C53	17
Not reported	409 BUSHWICK AVE	NNW 1/8 - 1/4 (0.139 mi.)	J100	26

## EXECUTIVE SUMMARY

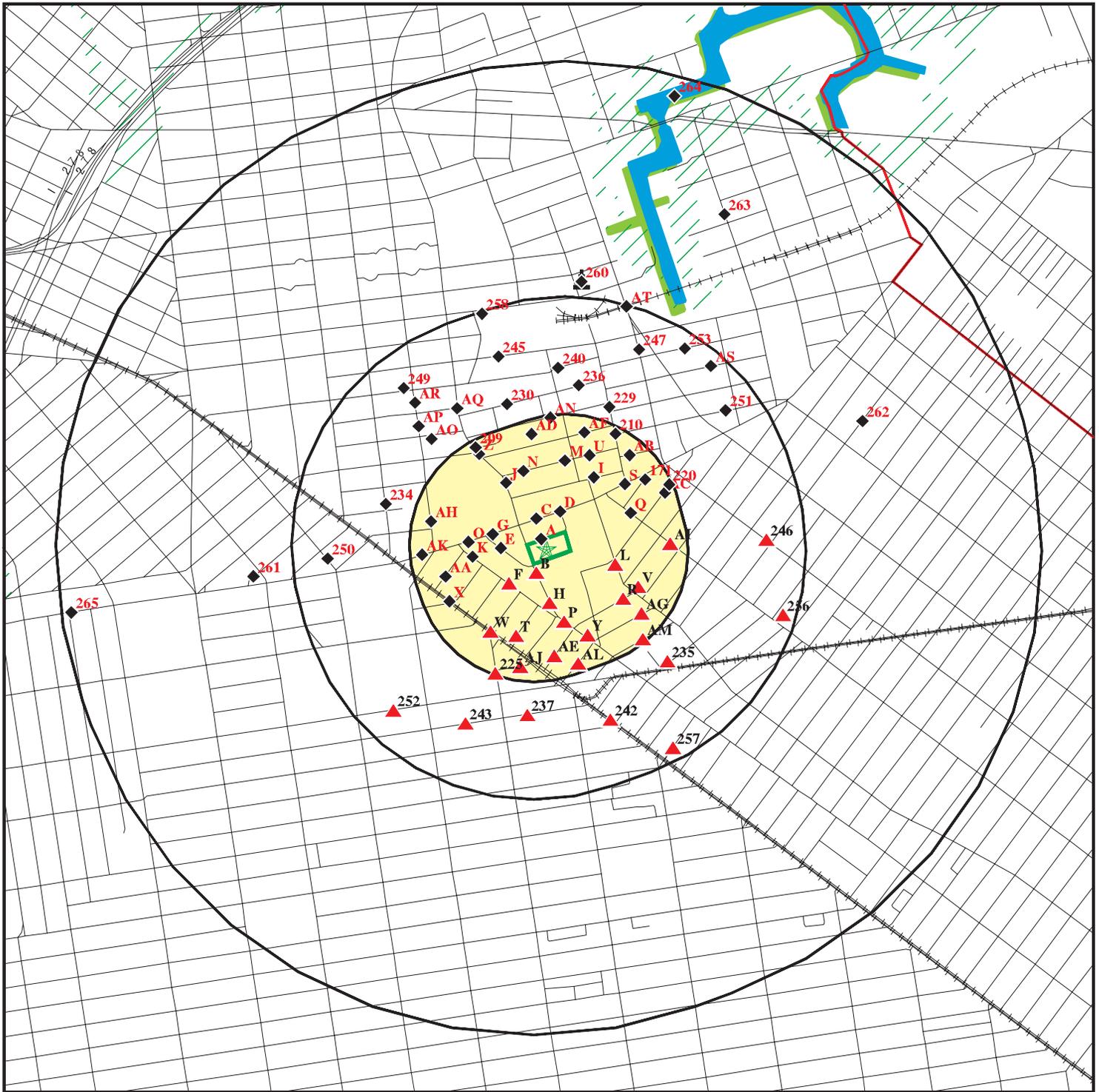
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	791 FLUSHING AVE	W 1/8 - 1/4 (0.224 mi.)	AK196	45
Not reported	789 FLUSHING AVE	W 1/8 - 1/4 (0.228 mi.)	AK199	45

Count: 10 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S113916585	DAVIDSON PIPE SUPPLY COMPANY	3RD AVE & 37TH STREET		NY SHWS
BROOKLYN	S114559903	LOT 36,TAXBLOCK 3141	FORREST STREET	11206	NY E DESIGNATION
BROOKLYN	S110487597	2 INGRAHAM STREET	2 INGRAHAM STREET	11206	NY SHWS, NY VCP, NY BROWNFIELD
BROOKLYN	S113916751	INGRAHAM STREET SIDEWALK PLUME TRA	INGRAHAM STREET	11237	NY SHWS
BROOKLYN	S113917078	NORTH OF CORNISH KNIT GOODS	JOHNSON AVE	11206	NY SHWS
BROOKLYN	S113916586	KENT TERMINAL	KENT AVE. BETWEEN 5TH-11TH ST.	11211	NY SHWS, NY VCP
BROOKLYN	S113916666	MORGAN OIL TERMINAL	224038 MORGAN OIL TERMINAL		NY SHWS
BROOKLYN	S113922100	SCHOLES ST. STATION	SCHOLES ST 7 BOGART STS, MESSE	11206	NY VCP
BROOKLYN	S110487592	K - SCHOLES ST. STATION	SCHOLES ST 7 BOGART STS, MESSE	11206	NY SHWS, NY BROWNFIELDS
BROOKLYN	S113922101	SKILLMAN STATION	SKILLMAN ST. FLUSHING & BEDFOR	11205	NY VCP

# OVERVIEW MAP - 4176686.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

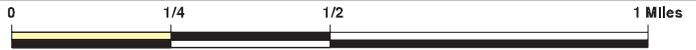
Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Block 3141  
 ADDRESS: 501 Bushwick Avenue  
 Brooklyn NY 11206  
 LAT/LONG: 40.7011 / 73.9359

CLIENT: Env. Business Consultants  
 CONTACT: Kevin Brussee  
 INQUIRY #: 4176686.2s  
 DATE: January 08, 2015 1:25 pm



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	2	NR	2
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	4	NR	NR	NR	4
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-CESQG	0.250		1	4	NR	NR	NR	5
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
NY SHWS	1.000		0	0	0	2	NR	2
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
NY SWF/LF	0.500		0	2	4	NR	NR	6
<b><i>State and tribal leaking storage tank lists</i></b>								
NY LTANKS	0.500		2	10	24	NR	NR	36
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><i>State and tribal registered storage tank lists</i></b>								
NY TANKS	0.250		0	2	NR	NR	NR	2
NY UST	0.250		2	11	NR	NR	NR	13
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		5	10	NR	NR	NR	15
NY CBS AST	0.250		1	0	NR	NR	NR	1
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	0	NR	NR	NR	1
NY MOSF	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
NY ENG CONTROLS	0.500		0	0	1	NR	NR	1
NY INST CONTROL	0.500		0	0	1	NR	NR	1
NY RES DECL	0.125		0	NR	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
NY VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	1	NR	NR	1
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	1	0	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Lists of Registered Storage Tanks</i></b>								
NY HIST UST	0.250		1	5	NR	NR	NR	6
NY HIST AST	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		21	NR	NR	NR	NR	21
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		2	19	NR	NR	NR	21
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	2	NR	NR	2
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		11	57	NR	NR	NR	68
NJ MANIFEST	0.250		1	4	NR	NR	NR	5
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125	1	37	NR	NR	NR	NR	38
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	1	NR	1
EDR US Hist Auto Stat	0.250		9	15	NR	NR	NR	24
EDR US Hist Cleaners	0.250		1	7	NR	NR	NR	8

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

A1 LOT 1,TAXBLOCK 3141 NY E DESIGNATION S114559736  
 Target 501 BUSHWICK AVENUE N/A  
 Property BROOKLYN, NY 11206

Actual:  
 47 ft.

[Click here for full text details](#)

A2 LOT 7,TAXBLOCK 3141 NY E DESIGNATION S114559999  
 WNW 481 BUSHWICK AVENUE N/A  
 < 1/8 BROOKLYN, NY 11206

0.001 mi.  
 6 ft.

Relative:  
 Lower

[Click here for full text details](#)

A3 CON EDISON NY MANIFEST S116551380  
 West 483 BUSHWICK AVE N/A  
 < 1/8 BROOKLYN, NY 11201

0.001 mi.  
 6 ft.

Relative:  
 Lower

[Click here for full text details](#)

A4 LOT 6,TAXBLOCK 3141 NY E DESIGNATION S114559978  
 West 485 BUSHWICK AVENUE N/A  
 < 1/8 BROOKLYN, NY 11206

0.001 mi.  
 7 ft.

Relative:  
 Lower

[Click here for full text details](#)

A5 LOT 5,TAXBLOCK 3141 NY E DESIGNATION S114559951  
 West 489 BUSHWICK AVENUE N/A  
 < 1/8 BROOKLYN, NY 11206

0.002 mi.  
 8 ft.

Relative:  
 Lower

[Click here for full text details](#)

A6 LOT 23,TAXBLOCK 3141 NY E DESIGNATION S114559829  
 NNW 36 MONTIETH STREET N/A  
 < 1/8 BROOKLYN, NY 11206

0.002 mi.  
 10 ft.

Relative:  
 Lower

[Click here for full text details](#)

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A7 WNW < 1/8 0.002 mi. 12 ft.  Relative: Lower	LOT 12,TAXBLOCK 3141 14 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559764 N/A
A8 WNW < 1/8 0.002 mi. 12 ft.  Relative: Lower	LOT 8,TAXBLOCK 3141 479 BUSHWICK AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114560012 N/A
A9 WNW < 1/8 0.002 mi. 12 ft.  Relative: Lower	LOT 10,TAXBLOCK 3141 10 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559751 N/A
A10 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 22,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559821 N/A
A11 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 24,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559833 N/A
A12 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 21,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559815 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A13 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 20,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559802 N/A
A14 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 35,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559899 N/A
A15 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 14,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559771 N/A
A16 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 11,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559761 N/A
A17 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 30,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559878 N/A
A18 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 15,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559776 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A19 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 27,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559858 N/A
A20 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 23,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559828 N/A
A21 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 25,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559839 N/A
A22 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 26,TAXBLOCK 3139 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559849 N/A
A23 WNW < 1/8 0.002 mi. 13 ft.  Relative: Lower	LOT 18,TAXBLOCK 3141 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559786 N/A
A24 WSW < 1/8 0.004 mi. 20 ft.  Relative: Higher	MAGIC CAR WASH & LUBE 494 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  NY AST Facility Id: 2-611234	NY AST	U004149439 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A25 WSW < 1/8 0.004 mi. 20 ft.	MAGIC CAR WASH 494 BUSHWICK AVENUE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S106469094 N/A
Relative: Higher	NY Spills Spill Number/Closed Date: 0401651 / 6/22/2004		
A26 WSW < 1/8 0.004 mi. 20 ft.	494 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015518942 N/A
Relative: Higher			
A27 NW < 1/8 0.004 mi. 21 ft.	LOT 28,TAXBLOCK 3139 27 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559863 N/A
Relative: Lower			
A28 NW < 1/8 0.004 mi. 21 ft.	LOT 32,TAXBLOCK 3139 19 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559889 N/A
Relative: Lower			
A29 NW < 1/8 0.004 mi. 21 ft.	LOT 29,TAXBLOCK 3139 25 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559868 N/A
Relative: Lower			
A30 NW < 1/8 0.004 mi. 21 ft.	LOT 33,TAXBLOCK 3139 17 MONTIETH STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559894 N/A
Relative: Lower			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A31 NW < 1/8 0.004 mi. 22 ft.	LOT 34,TAXBLOCK 3139 15 MONTIETH STREET BROOKLYN, NY 11206	NY E DESIGNATION	S114559897 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
A32 NW < 1/8 0.004 mi. 22 ft.	LOT 31,TAXBLOCK 3139 21 MONTIETH STREET BROOKLYN, NY 11206	NY E DESIGNATION	S114559884 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
A33 WNW < 1/8 0.004 mi. 22 ft.	LOT 36,TAXBLOCK 3139 11 MONTIETH STREET BROOKLYN, NY 11206	NY E DESIGNATION	S114559902 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
B34 SSW < 1/8 0.019 mi. 101 ft.	515 BUSHWICK AVE BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015533954 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
C35 NW < 1/8 0.028 mi. 150 ft.	464 BUSHWICK AVENUE 464 BUSHWICK AVE BROOKLYN, NY 11206	NY AST	A100183399 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
	NY AST Facility Id: 2-606827		
D36 NNE < 1/8 0.041 mi. 219 ft.	BUSHWICK BUSHWICK AVE., FLASHING AVE. BROOKLYN, NY 11215	NY CBS AST NY CBS	S102639137 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
	NY CBS AST Facility Status: IN SERVICE		

MAP FINDINGS

Map ID				EDR ID Number
Direction				EPA ID Number
Distance				
Elevation	Site	Database(s)		

**BUSHWICK (Continued)**

S102639137

CBS Number: 2-000138

**NY CBS**

Facility Status: Unregulated/Closed

CBS Number: 2-000138

D37  
NNE  
< 1/8  
0.043 mi.  
228 ft.

LOT 21,TAXBLOCK 3139  
908 FLUSHING AVENUE  
BROOKLYN, NY 11206

NY E DESIGNATION S114559814  
N/A

Relative:  
Lower

[Click here for full text details](#)

D38  
North  
< 1/8  
0.044 mi.  
232 ft.

LOT 18,TAXBLOCK 3139  
902 FLUSHING AVENUE  
BROOKLYN, NY 11206

NY E DESIGNATION S114559785  
N/A

Relative:  
Lower

[Click here for full text details](#)

D39  
NNE  
< 1/8  
0.044 mi.  
233 ft.

MANHOLE #1293  
FLUSHING AVE & STANWIX  
BROOKLYN, NY

NY Spills S106470586  
N/A

Relative:  
Lower

[Click here for full text details](#)

**NY Spills**

Spill Number/Closed Date: 0403476 / 9/27/2004

C40  
NW  
< 1/8  
0.044 mi.  
234 ft.

ARBA GAS INC  
456 BUSHWICK AVENUE  
BROOKLYN, NY 11206

NY UST U001841472  
N/A

Relative:  
Lower

[Click here for full text details](#)

**NY UST**

Id/Status:: 2-600484 / Inactive

Id/Status:: 2-600484

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

E41  
 West  
 < 1/8  
 0.045 mi.  
 237 ft.

45 GARDEN ST  
 BROOKLYN, NY 11206

EDR US Hist Auto Stat 1015501325  
 N/A

[Click here for full text details](#)

Relative:  
 Lower

C42  
 NW  
 < 1/8  
 0.045 mi.  
 240 ft.

TM3584  
 FLUSHING AV / BUSHWICK AV  
 BROOKLYN, NY

NY Spills S103938050  
 N/A

[Click here for full text details](#)

Relative:  
 Lower

NY Spills  
 Spill Number/Closed Date: 9902608 / 7/26/1999

C43  
 NW  
 < 1/8  
 0.045 mi.  
 240 ft.

GETTY STATION  
 FLUSHING AVE/BUSHWICK AVE  
 BROOKLYN, NY

NY Spills S102560427  
 N/A

[Click here for full text details](#)

Relative:  
 Lower

NY Spills  
 Spill Number/Closed Date: 9614354 / 6/22/2007

C44  
 NW  
 < 1/8  
 0.047 mi.  
 246 ft.

MANHOLE 628  
 FLUSHING AVE BUSHWICK AVE  
 NEW YORK, NY

NY Spills S103938120  
 N/A

[Click here for full text details](#)

Relative:  
 Lower

NY Spills  
 Spill Number/Closed Date: 9902660 / 5/18/2000

C45  
 NNW  
 < 1/8  
 0.047 mi.  
 246 ft.

890 FLUSHING AVENUE  
 890 FLUSHING AVENUE  
 BROOKLYN, NY 11206

NY AST U003394634  
 NY HIST AST N/A

[Click here for full text details](#)

Relative:  
 Lower

NY AST  
 Facility Id: 2-466816

NY HIST AST  
 PBS Number: 2-466816

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
E46 West < 1/8 0.048 mi. 252 ft.  Relative: Lower	CON EDISON FO 41 GARDEN ST QUEENS, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117065341 N/A
C47 WNW < 1/8 0.052 mi. 273 ft.  Relative: Lower	EXXON MOBIL 864 FLUSHING AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>  NY Spills Spill Number/Closed Date: 0701041 / 3/27/2008 Spill Number/Closed Date: 0607879 / 11/16/2006	NY Spills	S108636560 N/A
C48 WNW < 1/8 0.052 mi. 273 ft.  Relative: Lower	JASWICK MART, INC. 864 FLUSHING AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  NY UST Id/Status:: 2-603518 / Active Id/Status:: 2-603518  NY HIST UST PBS Number: 2-603518	NY UST NY HIST UST	U003312894 N/A
C49 WNW < 1/8 0.052 mi. 273 ft.  Relative: Lower	864 FLUSHING AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015658904 N/A
E50 West < 1/8 0.056 mi. 296 ft.  Relative: Lower	LOT 11,TAXBLOCK 3138 31 GARDEN STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559760 N/A

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

C51 LOT 32,TAXBLOCK 3138 NY E DESIGNATION S114559888  
 WNW 860 FLUSHING AVENUE N/A  
 < 1/8 BROOKLYN, NY 11206  
 0.057 mi.  
 302 ft.  
[Click here for full text details](#)  
 Relative:  
 Lower

B52 DRUM RUN NY Spills S113818542  
 South 534 BUSHWICK AVE N/A  
 < 1/8 BROOKLYN, NY  
 0.061 mi.  
 320 ft.  
[Click here for full text details](#)  
 Relative:  
 Higher  
 NY Spills  
 Spill Number/Closed Date: 1303436 / 7/25/2013

C53 856 FLUSHING AVE EDR US Hist Cleaners 1015101604  
 WNW BROOKLYN, NY 11206 N/A  
 < 1/8  
 0.063 mi.  
 332 ft.  
[Click here for full text details](#)  
 Relative:  
 Lower

F54 CON EDISON NY MANIFEST S117059023  
 SW 70 BEAVER ST N/A  
 < 1/8 BROOKLYN, NY 11206  
 0.066 mi.  
 350 ft.  
[Click here for full text details](#)  
 Relative:  
 Higher

F55 WEST BUSHWICK HOUSING NY LTANKS S104790729  
 SSW 86-88 BEAVER ST N/A  
 < 1/8 BROOKLYN, NY  
 0.066 mi.  
 350 ft.  
[Click here for full text details](#)  
 Relative:  
 Higher  
 NY LTANKS  
 Spill Number/Closed Date: 0008389 / 6/9/2004

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
G56 WNW < 1/8 0.076 mi. 403 ft.  Relative: Lower	LOT 22,TAXBLOCK 3138 848 FLUSHING AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559820 N/A
G57 WNW < 1/8 0.080 mi. 423 ft.  Relative: Lower	LOT 20,TAXBLOCK 3138 846 FLUSHING AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559800 N/A
G58 WNW < 1/8 0.080 mi. 423 ft.  Relative: Lower	846 FLUSHING AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015654486 N/A
G59 WNW < 1/8 0.084 mi. 442 ft.  Relative: Lower	844 FLUSHING AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015654047 N/A
H60 South < 1/8 0.089 mi. 469 ft.  Relative: Higher	CON EDISON 550 BUSHWICK AVE BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551476 N/A
G61 WNW < 1/8 0.090 mi. 474 ft.  Relative: Lower	NYNEX FLUSHING AVE & GARDEN ST BROOKLYN, NY 10016  <a href="#">Click here for full text details</a>	NY MANIFEST	1009233571 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I62 NE < 1/8 0.092 mi. 487 ft.	CON EDISON MANHOLE 629 FLUSHING AVE & EVERGREEN AVE BROOKLYN, NY 11207	RCRA NonGen / NLR NJ MANIFEST	1014918298 NYP004219109
Relative: Lower	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYP004219109		
I63 NE < 1/8 0.093 mi. 490 ft.	MANHOLE 627 FLUSHING AV & EVERGREEN A BROOKLYN, NY	NY Spills	S103938083 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY Spills Spill Number/Closed Date: 9902647 / 4/12/2002		
I64 NE < 1/8 0.093 mi. 491 ft.	CONED MANHOLE # 00627 FLUSHING/EVERGREN AVE BROOKLYN, NY	NY Spills	S106471316 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY Spills Spill Number/Closed Date: 0404320 / 10/21/2004		
I65 NE < 1/8 0.093 mi. 492 ft.	CON EDISON - MANHOLE 629 FLUSHING AVE & EVERGREEN AVE BROOKLYN, NY 11231	RCRA NonGen / NLR	1010325745 NYP004132130
Relative: Lower	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYP004132130		
J66 NW < 1/8 0.095 mi. 501 ft.	429 BUSHWICK AVE BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015491058 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
K67 WSW < 1/8 0.096 mi. 505 ft.	GONZALEZ RESIDENCE 29 BEAVER ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S107658820 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 0514546 / 3/21/2006		
L68 ESE < 1/8 0.099 mi. 525 ft.	LOT 3,TAXBLOCK 3152 80 EVERGREEN AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559875 N/A
Relative: Higher			
L69 ESE < 1/8 0.102 mi. 541 ft.	CON EDISON 82 EVERGREEN AV BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117058486 N/A
Relative: Higher			
H70 South < 1/8 0.102 mi. 541 ft.	CON EDISON 91 BEAVER ST BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551508 N/A
Relative: Higher			
M71 NNE < 1/8 0.104 mi. 551 ft.	199 COOK STREET 199 COOK STREET BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S102146914 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 9306392 / 8/25/1993		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I72 NE < 1/8 0.106 mi. 558 ft.	CASTEL BALJAC 10 EVERGREEN AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY AST	U003383348 N/A
Relative: Lower	NY AST Facility Id: 2-043311		
G73 West < 1/8 0.110 mi. 579 ft.	LOT 56,TAXBLOCK 3137 832 FLUSHING AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559971 N/A
Relative: Lower			
M74 NNE < 1/8 0.111 mi. 587 ft.	MANHOLE 75293 COOKE ST/WHITE ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S104789515 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0007006 / 11/27/2001		
M75 NNE < 1/8 0.112 mi. 591 ft.	WAREHOUSE 211-217 COOK ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S109373601 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0809116 / Not Reported		
G76 West < 1/8 0.115 mi. 605 ft.	MANHOLE # 1020 830 FLUSHING AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S106018523 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0306818 / 10/28/2003		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F77 SW < 1/8 0.116 mi. 613 ft.  Relative: Higher	CON EDISON 28 PARK PL BROOKLYN, NY 11217  <a href="#">Click here for full text details</a>	NY MANIFEST	S113816559 N/A
K78 West < 1/8 0.118 mi. 623 ft.  Relative: Lower	PS 120 18 BEAVER ST BKLN, NY 11206  <a href="#">Click here for full text details</a>  NY AST Facility Id: 2-356468  NY HIST AST PBS Number: 2-356468	NY AST NY HIST AST	U003394339 N/A
K79 West < 1/8 0.118 mi. 623 ft.  Relative: Lower	NYC DEPT OF ED - PUBLIC SCHOOL 120K 18 BEAVER ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  RCRA-CESQG EPA Id: NYR000166843	RCRA-CESQG	1012186822 NYR000166843
I80 NE < 1/8 0.119 mi. 626 ft.  Relative: Lower	NYNEX FLUSHING & CENTRAL AVE BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	1009233212 N/A
G81 West < 1/8 0.119 mi. 630 ft.  Relative: Lower	LOT 51,TAXBLOCK 3137 828 FLUSHING AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY E DESIGNATION	S114559962 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I82 NE < 1/8 0.120 mi. 634 ft.	CON ED MANHOLE #00626 FLUSHING/CENTRAL AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S106471318 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0404321 / 10/21/2004		
I83 NE < 1/8 0.120 mi. 634 ft.	MANHOLE #626 FLUSHING AV & CENTRAL AV BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S105140802 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0104157 / 8/23/2001		
I84 NE < 1/8 0.120 mi. 634 ft.	CON ED MANHOLE #626 FLUSHING AVE/CENTRAL BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S106470609 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0403499 / 7/1/2004		
I85 NE < 1/8 0.120 mi. 634 ft.	MANHOLE 626 FLUSHING AV/CENTRAL AV BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S104652683 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0001772 / 9/24/2001		
I86 NE < 1/8 0.121 mi. 640 ft.	UNDER GROUND 946-954 FLUSHING AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S116553452 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 1311593 / Not Reported		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I87 NE < 1/8 0.122 mi. 643 ft.  Relative: Lower	CON EDISON 975 FLUSHING AV BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117066170 N/A
I88 NNE < 1/8 0.122 mi. 644 ft.  Relative: Lower	CON EDISON COOK ST & EVERGREEN AV BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S117313672 N/A
I89 NNE < 1/8 0.122 mi. 644 ft.  Relative: Lower	MANHOLE 622 COOK ST/EVERGREEN AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>  NY Spills Spill Number/Closed Date: 0007130 / 10/27/2000	NY Spills	S104789626 N/A
I90 NNE < 1/8 0.122 mi. 644 ft.  Relative: Lower	EVERGREEN AV/COOK ST EVERGREEN AV/COOK ST BROOKLYN, NY  <a href="#">Click here for full text details</a>  NY Spills Spill Number/Closed Date: 9900960 / 5/4/1999	NY Spills	S103936611 N/A
I91 NNE < 1/8 0.123 mi. 648 ft.  Relative: Lower	218 COOK ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015330108 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
N92 North < 1/8 0.123 mi. 651 ft.	MANHOLE 9116 205 VARET STREET IN FRONT BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY Spills	S104787967 N/A
Relative: Lower	NY Spills Spill Number/Closed Date: 0005330 / 11/13/2001		
O93 West < 1/8 0.124 mi. 656 ft.	826 FLUSHING AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015649346 N/A
Relative: Lower			
I94 NNE 1/8-1/4 0.125 mi. 662 ft.	CON EDISON 219 COOK ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY MANIFEST	S113919250 N/A
Relative: Lower			
I95 NNE 1/8-1/4 0.130 mi. 684 ft.	RAM AUTO WRECKERS 230 COOK STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY SWF/LF	S108146078 N/A
Relative: Lower			
I96 NNE 1/8-1/4 0.131 mi. 691 ft.	CON EDISON OPP. 229 COOK ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117058407 N/A
Relative: Lower			
P97 SSE 1/8-1/4 0.137 mi. 723 ft.	GARATZIOTIS, ARISS RESIDE 578 BUSHWICK AVENUE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S107489293 N/A
Relative: Higher	NY LTANKS Spill Number/Closed Date: 0510383 / 12/5/2005		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
L98 ESE 1/8-1/4 0.138 mi. 729 ft.	CON EDISON 11 GEORGE ST BROOKLYN, NY 11206	NY MANIFEST	S117061715 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
J99 NNW 1/8-1/4 0.139 mi. 734 ft.	CON EDISON 409 BUSHWICK AVE BROOKLYN, NY 11201	NY MANIFEST	S116551072 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
J100 NNW 1/8-1/4 0.139 mi. 734 ft.	409 BUSHWICK AVE BROOKLYN, NY 11206	EDR US Hist Cleaners	1015056484 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
L101 ESE 1/8-1/4 0.140 mi. 737 ft.	CON EDISON OPP 13 GEORGE ST BROOKLYN, NY 11206	NY MANIFEST	S117061577 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
Q102 ENE 1/8-1/4 0.142 mi. 748 ft.	NYC BD OF ED - PUBLIC SCHOOL 145K 100 NOLL ST BROOKLYN, NY 11206	RCRA NonGen / NLR	1001818220 NYR000077313
Relative: Higher	<a href="#">Click here for full text details</a>		
	RCRA NonGen / NLR EPA Id: NYR000077313		
Q103 ENE 1/8-1/4 0.142 mi. 748 ft.	NYC BD OF ED - PUBLIC SCHOOL 145K 100 NOLL ST BROOKLYN, NY 11206	NY AST NY MANIFEST NY Spills	S104195205 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
	NY AST Facility Id: 2-604179		

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC BD OF ED - PUBLIC SCHOOL 145K (Continued)

S104195205

NY Spills

Spill Number/Closed Date: 9907295 / 3/3/2003

P104  
SSE  
1/8-1/4  
0.144 mi.  
758 ft.

582 BUSHWICK AVE  
BROOKLYN, NY 11206

EDR US Hist Auto Stat

1015561065  
N/A

[Click here for full text details](#)

Relative:  
Higher

Q105  
ENE  
1/8-1/4  
0.145 mi.  
768 ft.

POLICE SERVICE AREA #3 - NYPD HOUSING BUREAU  
25 CENTRAL AVENUE  
BROOKLYN, NY 11206

NY UST

U004151157  
N/A

[Click here for full text details](#)

Relative:  
Lower

NY UST

Id/Status:: 2-611293 / Active  
Id/Status:: 2-611293

Q106  
ENE  
1/8-1/4  
0.145 mi.  
768 ft.

POLICE SERVICE AREA #3 - NYPD HOUSING BUREAU  
25 CENTRAL AVENUE  
BROOKLYN, NY 11206

NY AST

A100353065  
N/A

[Click here for full text details](#)

Relative:  
Lower

NY AST

Facility Id: 2-611293

R107  
SE  
1/8-1/4  
0.145 mi.  
768 ft.

CON EDISON  
106 MELROSE ST  
BROOKLYN, NY 11201

NY MANIFEST

S116551479  
N/A

[Click here for full text details](#)

Relative:  
Higher

O108  
West  
1/8-1/4  
0.146 mi.  
770 ft.

CON EDISON - MANHOLE 1020  
FLUSHING AVE & BEAVER STREET  
BROOKLYN, NY 11206

RCRA-LQG  
NJ MANIFEST

1014396430  
NYP004186946

[Click here for full text details](#)

Relative:  
Lower

RCRA-LQG

EPA Id: NYP004186946

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
O109 West 1/8-1/4 0.146 mi. 770 ft.	CONSOLIDATED EDISON FLUSHING AVE & BEAVER STREET BROOKLYN, NY 11206	NY MANIFEST	S110046291 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
M110 North 1/8-1/4 0.148 mi. 781 ft.	CONSOLIDATED EDISON 210 VARET AVE & BUSHWICK AVE BROOKLYN, NY 11206	NY MANIFEST	S110045733 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
R111 ESE 1/8-1/4 0.151 mi. 798 ft.	CON ED FRONT OF 131 MELROSE ST BROOKLYN, NY 11206	NY MANIFEST	S117319495 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
N112 NNW 1/8-1/4 0.151 mi. 798 ft.	191 VARET ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015291201 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
M113 NNE 1/8-1/4 0.152 mi. 800 ft.	CON EDISON 231 VARET ST BROOKLYN, NY 11201	RCRA NonGen / NLR	1014397947 NYP004202917
Relative: Lower	<a href="#">Click here for full text details</a>		
	RCRA NonGen / NLR EPA Id: NYP004202917		
M114 NNE 1/8-1/4 0.152 mi. 800 ft.	CON EDISON - VS 2279 231 VARET STREET BROOKLYN, NY 11218	RCRA NonGen / NLR NY MANIFEST	1008195587 NYP004109286
Relative: Lower	<a href="#">Click here for full text details</a>		
	RCRA NonGen / NLR EPA Id: NYP004109286		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
M115 NNE 1/8-1/4 0.152 mi. 800 ft.	CONSOLIDATED EDISON 231 231 VARET ST BROOKLYN, NY 11201	NY MANIFEST NY Spills	S104790222 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY Spills Spill Number/Closed Date: 0007831 / 5/30/2001		
P116 SSE 1/8-1/4 0.152 mi. 804 ft.	CON EDISON 72 MELROSE ST BROOKLYN, NY 11201	NY MANIFEST	S116551478 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
S117 NE 1/8-1/4 0.153 mi. 808 ft.	946 FLUSHING AVE BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015681779 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
T118 SSW 1/8-1/4 0.157 mi. 829 ft.	REMAINS LIGHTING 21 BELVIDERE ST BROOKLYN, NY 11206	RCRA-CESQG FINDS NY MANIFEST NJ MANIFEST US AIRS	1000197299 NYD001493584
Relative: Higher	<a href="#">Click here for full text details</a> RCRA-CESQG EPA Id: NYD001493584		
U119 NNE 1/8-1/4 0.160 mi. 846 ft.	ADOR CONVERTING, INC. 232-234 VARET ST BROOKLYN, NY 11206	NY UST NY HIST UST	U003652037 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY UST Id/Status:: 2-603904 / Unregulated/Closed Id/Status:: 2-603904  NY HIST UST PBS Number: 2-603904		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
U120 NNE 1/8-1/4 0.161 mi. 848 ft.	MARTIN GREENFIELD CLOTHIERS 239 VARET ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY UST NY HIST UST	U000394522 N/A
Relative: Lower	NY UST Id/Status:: 2-082767 / Unregulated/Closed Id/Status:: 2-082767  NY HIST UST PBS Number: 2-082767		
P121 SSE 1/8-1/4 0.161 mi. 851 ft.	595 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015564829 N/A
Relative: Higher			
V122 ESE 1/8-1/4 0.162 mi. 857 ft.	95 EVERGREEN ASSOCIATES 95 EVERGREEN AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY UST	U001832799 N/A
Relative: Higher	NY UST Id/Status:: 2-108480 / Active Id/Status:: 2-108480		
V123 ESE 1/8-1/4 0.162 mi. 857 ft.	CON EDISON 95 EVERGREEN AVE BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY LTANKS NY MANIFEST	S104619526 N/A
Relative: Higher	NY LTANKS Spill Number/Closed Date: 8903570 / 9/30/1992 Spill Number/Closed Date: 9801773 / 11/26/2004		
S124 NE 1/8-1/4 0.163 mi. 860 ft.	NYNEX BOGART ST & FLUSHING AVE BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	1009233936 N/A
Relative: Lower			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
R125 SSE 1/8-1/4 0.165 mi. 872 ft.	HERNANDEZ AUTO REPAIR 11 STANWIX STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY AST	A100294345 N/A
Relative: Higher	NY AST Facility Id: 2-608186		
S126 NE 1/8-1/4 0.167 mi. 881 ft.	SCHWARTZ BROS REALTY 114 FORREST ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY AST	A100075762 N/A
Relative: Lower	NY AST Facility Id: 2-276170		
S127 NE 1/8-1/4 0.167 mi. 881 ft.	SCHWARTZ BROS REALTY 114 FORREST ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY LTANKS NY HIST AST	S107781792 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 0302890 / 10/30/2003  NY HIST AST PBS Number: 2-276170		
U128 NNE 1/8-1/4 0.169 mi. 894 ft.	248 VARET ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015360737 N/A
Relative: Lower			
W129 SW 1/8-1/4 0.170 mi. 898 ft.	NEW YORK TELEPHONE BROADWAY & LOCUST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA NonGen / NLR NY MANIFEST	1007205065 NYP000908178
Relative: Higher	RCRA NonGen / NLR EPA Id: NYP000908178		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
U130 NNE 1/8-1/4 0.171 mi. 902 ft.	250 VARET ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015362673 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
V131 ESE 1/8-1/4 0.172 mi. 907 ft.	CON EDISON MELROSE AVE & EVERGREEN AVE BROOKLYN, NY 11206	RCRA-CESQG	1014396408 NYP004186722
Relative: Higher	<a href="#">Click here for full text details</a> RCRA-CESQG EPA Id: NYP004186722		
T132 South 1/8-1/4 0.172 mi. 908 ft.	ARLON ENTERPRISES LLC 927 ARLON PL BROOKLYN, NY 11211	RCRA NonGen / NLR FINDS NY MANIFEST	1004763008 NYR000102681
Relative: Higher	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYR000102681		
P133 SSE 1/8-1/4 0.173 mi. 916 ft.	K&G AUTO PARTS INC. 600 BUSHWICK AVENUE BROOKLYN, NY 11206	NY AST	U004079807 N/A
Relative: Higher	<a href="#">Click here for full text details</a> NY AST Facility Id: 2-608245		
X134 SW 1/8-1/4 0.177 mi. 932 ft.	835 BROADWAY BROOKLYN, NY 11206	EDR US Hist Cleaners	1015100137 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

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<b>X135</b> SW 1/8-1/4 0.179 mi. 943 ft.  Relative: Higher	<b>840 BROADWAY</b> BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	<b>EDR US Hist Auto Stat</b>	<b>1015652866</b> N/A
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<b>P136</b> South 1/8-1/4 0.180 mi. 953 ft.  Relative: Higher	<b>CON EDISON</b> FRONT OF 37 MELROSE ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	<b>NY MANIFEST</b>	<b>S117317623</b> N/A
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<b>Y137</b> SSE 1/8-1/4 0.181 mi. 954 ft.  Relative: Higher	<b>AMOCO SERVICE STATION</b> 613 BUSHWICK AVENUE BROOKLYN, NY 11237  <a href="#">Click here for full text details</a>	<b>NY HIST UST</b> <b>NY AST</b>	<b>U000397646</b> N/A
	<b>NY HIST UST</b> PBS Number: 2-207594		
	<b>NY AST</b> Facility Id: 2-207594		

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<b>X138</b> SW 1/8-1/4 0.181 mi. 954 ft.  Relative: Higher	<b>CON EDISON</b> 829 BROADWAY BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	<b>NY MANIFEST</b>	<b>S117061579</b> N/A
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<b>T139</b> SSW 1/8-1/4 0.181 mi. 956 ft.  Relative: Higher	<b>882 BROADWAY</b> BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	<b>EDR US Hist Cleaners</b>	<b>1015102957</b> N/A
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MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Z140 NNW 1/8-1/4 0.182 mi. 959 ft.	CON EDISON 387 BUSHWICK AV BROOKLYN, NY 11201	NY MANIFEST	S117060759 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
AA141 WSW 1/8-1/4 0.183 mi. 967 ft.	815 BROADWAY 815 BROADWAY BROOKLYN, NY 11206	NY AST	A100292773 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY AST Facility Id: 2-609540		
T142 South 1/8-1/4 0.185 mi. 976 ft.	CON EDISON 11 ARION PL BROOKLYN, NY 11206	NY MANIFEST	S117064313 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
AA143 WSW 1/8-1/4 0.186 mi. 980 ft.	34 FAYETTE ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015435738 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
T144 SSW 1/8-1/4 0.187 mi. 987 ft.	CON EDISON 889 BROADWAY BROOKLYN, NY 11206	NY MANIFEST	S116292131 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
Y145 SSE 1/8-1/4 0.188 mi. 992 ft.	608 BUSHWICK AVE BROOKLYN, NY 11206	EDR US Hist Cleaners	1015080243 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Y146 SSE 1/8-1/4 0.188 mi. 995 ft.  Relative: Higher	613 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015576403 N/A
Y147 SSE 1/8-1/4 0.188 mi. 995 ft.  Relative: Higher	LYNNS SERVICE STATION 613 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  RCRA NonGen / NLR EPA Id: NYD986988384	RCRA NonGen / NLR	1000556278 NYD986988384
Z148 NNW 1/8-1/4 0.188 mi. 995 ft.  Relative: Lower	CON EDISON 383 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117316830 N/A
R149 SE 1/8-1/4 0.191 mi. 1006 ft.  Relative: Higher	CON EDISON - MANHOLE 8640 59 JEFFERSON STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  RCRA-LQG EPA Id: NYP004186698	RCRA-LQG NJ MANIFEST	1014396405 NYP004186698
R150 SE 1/8-1/4 0.191 mi. 1006 ft.  Relative: Higher	CONSOLIDATED EDISON 59 JEFFERSON STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S110046650 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AB151 NE 1/8-1/4 0.191 mi. 1010 ft.	17 BOGART ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015264549 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
R152 SE 1/8-1/4 0.192 mi. 1013 ft.	CON EDISON 54 JEFFERSON ST BROOKLYN, NY 11201	NY MANIFEST NY Spills	S103575097 N/A
Relative: Higher	<a href="#">Click here for full text details</a> NY Spills Spill Number/Closed Date: 9811158 / 2/13/2003		
AC153 ENE 1/8-1/4 0.193 mi. 1020 ft.	VACANT LOT 126-130 NOLL STREET BROOKLYN, NY 11206	NY UST NY HIST UST	U003800467 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY UST Id/Status:: 2-607013 / Unregulated/Closed Id/Status:: 2-607013  NY HIST UST PBS Number: 2-607013		
Y154 SSE 1/8-1/4 0.193 mi. 1020 ft.	GOAL REALTY CORP. 6 STANWIX STREET BROOKLYN, NY 11206	NY TANKS	S116349306 N/A
Relative: Higher	<a href="#">Click here for full text details</a> NY TANKS Facility Id: 2-608316		
AA155 WSW 1/8-1/4 0.194 mi. 1023 ft.	24 FAYETTE ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015352949 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AA156 WSW 1/8-1/4 0.194 mi. 1023 ft.	TIMMES INDUSTRIAL MAINTENANCE SERVICE 24 FAYETTE ST BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS NY MANIFEST	1000298524 NYD096473947
Relative: Lower	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYD096473947		
Y157 SSE 1/8-1/4 0.195 mi. 1031 ft.	4 STANWIX ST BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015467501 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
X158 WSW 1/8-1/4 0.195 mi. 1031 ft.	CONWAY/EMPTY BUILDING - TTF 815 BROADWAY BROOKLYN, NY	NY LTANKS	S113406309 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY LTANKS Spill Number/Closed Date: 1215990 / Not Reported		
AD159 North 1/8-1/4 0.198 mi. 1048 ft.	COOPER TANK RECYCLING 201-203 MOORE STREET BROOKLYN, NY 11206	NY SWF/LF	S110367565 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
AE160 South 1/8-1/4 0.199 mi. 1053 ft.	CON EDISON OPP 19 MELROSE ST BROOKLYN, NY 11206	NY MANIFEST	S116550594 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Z161 NW 1/8-1/4 0.201 mi. 1062 ft.	NYCHA - BUSHWICK HOUSES 372 BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA-CESQG FINDS	1014399759 NYR000178483
Relative: Lower	RCRA-CESQG EPA Id: NYR000178483		
AF162 North 1/8-1/4 0.201 mi. 1063 ft.	CON EDISON MOORE ST. & WHITE ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117066850 N/A
Relative: Lower			
AG163 ESE 1/8-1/4 0.202 mi. 1064 ft.	CON EDISON 93 JEFFERSON ST BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551350 N/A
Relative: Higher			
AG164 ESE 1/8-1/4 0.202 mi. 1064 ft.	CON EDISON 93 JEFFERSON ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S116550587 N/A
Relative: Higher			
W165 SSW 1/8-1/4 0.202 mi. 1064 ft.	SUMNER HOUSES 10 LEWIS AVENUE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY UST NY HIST UST	U000410787 N/A
Relative: Higher	NY UST Id/Status:: 2-474568 / Active Id/Status:: 2-474568  NY HIST UST PBS Number: 2-474568		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>W166</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.202 mi.</b> <b>1064 ft.</b>  <b>Relative:</b> <b>Higher</b>	<b>NYCHA - SUMNER HOUSES</b> <b>10 LEWIS AVE</b> <b>BROOKLYN, NY 11206</b>  <a href="#">Click here for full text details</a>  <b>RCRA NonGen / NLR</b> EPA Id: NYR000075259	<b>RCRA NonGen / NLR</b> <b>FINDS</b>	<b>1001493634</b> <b>NYR000075259</b>
<b>W167</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.202 mi.</b> <b>1064 ft.</b>  <b>Relative:</b> <b>Higher</b>	<b>SUMNER HOUSES</b> <b>10 LEWIS AVE</b> <b>BROOKLYN, NY</b>  <a href="#">Click here for full text details</a>  <b>NY LTANKS</b> Spill Number/Closed Date: 9505222 / Not Reported Spill Number/Closed Date: 9505160 / 10/30/2003  <b>NY Spills</b> Spill Number/Closed Date: 9904132 / 12/30/2009 Spill Number/Closed Date: 8909504 / 12/8/1992	<b>NY LTANKS</b> <b>NY Spills</b>	<b>S101658425</b> <b>N/A</b>
<b>V168</b> <b>ESE</b> <b>1/8-1/4</b> <b>0.203 mi.</b> <b>1073 ft.</b>  <b>Relative:</b> <b>Higher</b>	<b>ELITE CHEMICAL CO</b> <b>105 EVERGREEN ST</b> <b>BROOKLYN, NY</b>  <a href="#">Click here for full text details</a>  <b>NY LTANKS</b> Spill Number/Closed Date: 9300224 / 7/26/1993	<b>NY LTANKS</b> <b>NY MANIFEST</b>	<b>S100494992</b> <b>N/A</b>
<b>V169</b> <b>ESE</b> <b>1/8-1/4</b> <b>0.203 mi.</b> <b>1073 ft.</b>  <b>Relative:</b> <b>Higher</b>	<b>CAVALIER REALTY LLC</b> <b>105 EVERGREEN AVENUE</b> <b>BROOKLYN, NY 11206</b>  <a href="#">Click here for full text details</a>  <b>NY UST</b> Id/Status:: 2-287776 / Unregulated/Closed Id/Status:: 2-287776	<b>NY UST</b>	<b>U001834244</b> <b>N/A</b>
<b>V170</b> <b>ESE</b> <b>1/8-1/4</b> <b>0.203 mi.</b> <b>1073 ft.</b>  <b>Relative:</b> <b>Higher</b>	<b>ELITE CHEMICAL CO</b> <b>105 EVERGREEN ST</b> <b>BROOKLYN, NY 00000</b>  <a href="#">Click here for full text details</a>  <b>RCRA NonGen / NLR</b> EPA Id: NYP000935874	<b>RCRA NonGen / NLR</b>	<b>1007205562</b> <b>NYP000935874</b>

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
171 NE 1/8-1/4 0.204 mi. 1075 ft.	MESTOLE STORE CONSTRUCTION 122 FORREST ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA NonGen / NLR FINDS NY MANIFEST US AIRS	1000130730 NYD986889913
Relative: Lower	RCRA NonGen / NLR EPA Id: NYD986889913		
AG172 ESE 1/8-1/4 0.204 mi. 1077 ft.	CON EDISON 86 JEFFERSON ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S116550588 N/A
Relative: Higher			
AG173 ESE 1/8-1/4 0.204 mi. 1077 ft.	CON EDISON 86 JEFFERSON ST BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551351 N/A
Relative: Higher			
AE174 South 1/8-1/4 0.206 mi. 1089 ft.	CON EDISON FO 13 MELROSE ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117065552 N/A
Relative: Higher			
Y175 SSE 1/8-1/4 0.209 mi. 1101 ft.	41 JEFFERSON ST 41 JEFFERSON ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S105998111 N/A
Relative: Higher	NY LTANKS Spill Number/Closed Date: 0211153 / 2/6/2003		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AH176 WNW 1/8-1/4 0.209 mi. 1106 ft.	<b>BUSHWICK HOUSES</b> 24 HUMBOLDT STREET BROOKLYN, NY	NY LTANKS NY Spills	S102143036 N/A
Relative: Lower	<a href="#">Click here for full text details</a> <b>NY LTANKS</b> Spill Number/Closed Date: 9505310 / 11/2/2005  <b>NY Spills</b> Spill Number/Closed Date: 9204027 / 7/7/1992 Spill Number/Closed Date: 9102670 / 6/8/1994 Spill Number/Closed Date: 9203554 / 12/29/1992 Spill Number/Closed Date: 0402157 / 11/19/2007 Spill Number/Closed Date: 9401533 / 9/6/1994 Spill Number/Closed Date: 9010350 / 11/16/1994 Spill Number/Closed Date: 8908280 / 5/30/2013		
AH177 WNW 1/8-1/4 0.209 mi. 1106 ft.	<b>BUSHWICK/HYLAN HOUSES</b> 24 HUMBOLDT STREET BROOKLYN, NY 11206	NY UST	U001840742 N/A
Relative: Lower	<a href="#">Click here for full text details</a> <b>NY UST</b> Id/Status:: 2-474649 / Active Id/Status:: 2-474649		
AF178 NNE 1/8-1/4 0.210 mi. 1108 ft.	<b>RONPAT PRINTING INC</b> 250 MOORE ST BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS	1000345427 NYD986882793
Relative: Lower	<a href="#">Click here for full text details</a> <b>RCRA NonGen / NLR</b> EPA Id: NYD986882793		
AF179 NNE 1/8-1/4 0.210 mi. 1108 ft.	<b>SOUTH BAY APPAREL</b> 250 MOORE ST BROOKLYN, NY 11206	RCRA NonGen / NLR	1000404889 NYD982792699
Relative: Lower	<a href="#">Click here for full text details</a> <b>RCRA NonGen / NLR</b> EPA Id: NYD982792699		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AE180 South 1/8-1/4 0.212 mi. 1118 ft.	917 BROADWAY BROOKLYN, NY 11206	EDR US Hist Cleaners	1015105888 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
Z181 NW 1/8-1/4 0.212 mi. 1118 ft.	CON EDISON - MANHOLE 60546 MOORE STREET & BUSHWICK AVE BROOKLYN, NY 11206	RCRA-LQG NJ MANIFEST	1014396441 NYP004187050
Relative: Lower	<a href="#">Click here for full text details</a> RCRA-LQG EPA Id: NYP004187050		
AI182 East 1/8-1/4 0.212 mi. 1121 ft.	CON EDISON 62 CENTRAL AVE BROOKLYN, NY 11201	NY MANIFEST	S116551782 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
AF183 NNE 1/8-1/4 0.213 mi. 1122 ft.	A TO Z APPLIQUE DIE CUTTING 260 MOORE ST BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS	1000327348 NYD001371699
Relative: Lower	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYD001371699		
AB184 NE 1/8-1/4 0.213 mi. 1125 ft.	FRANK BRUNKHORST CO. 24 ROCK STREET BROOKLYN, NY 11206	NY UST	U004194402 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY UST Id/Status:: 2-010642 / Active Id/Status:: 2-010642		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AB185 NE 1/8-1/4 0.213 mi. 1125 ft.	FRANK BRUNKHORST CO. 24 ROCK STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY AST	A100366063 N/A
Relative: Lower	NY AST Facility Id: 2-010642		
AB186 NE 1/8-1/4 0.213 mi. 1125 ft.	FRANK BRUNCKHORST CO LLC 24 ROCK ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA NonGen / NLR FINDS NY MANIFEST	1001090082 NYR000019158
Relative: Lower	RCRA NonGen / NLR EPA Id: NYR000019158		
AA187 WSW 1/8-1/4 0.215 mi. 1136 ft.	292 ELLERY ST 292 ELLERY STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY UST	U004045354 N/A
Relative: Lower	NY UST Id/Status:: 2-609459 / Unregulated/Closed Id/Status:: 2-609459		
AF188 NNE 1/8-1/4 0.216 mi. 1139 ft.	261 MOORE ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015372656 N/A
Relative: Lower			
AE189 South 1/8-1/4 0.216 mi. 1142 ft.	CON EDISON 916 BROADWAY BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S116045048 N/A
Relative: Higher			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Z190 NW 1/8-1/4 0.218 mi. 1153 ft.	CONSOLIDATED EDISON MOORE STREET & BUSHWICK AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S110046483 N/A
Relative: Lower			
Y191 SSE 1/8-1/4 0.220 mi. 1159 ft.	CON EDISON 28 JEFFERSON ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551578 N/A
Relative: Higher			
AD192 North 1/8-1/4 0.220 mi. 1159 ft.	COOPER TANK & WELDING COR 215 MOORE STREET BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S106385393 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 0312904 / 6/6/2011		
AJ193 SSW 1/8-1/4 0.220 mi. 1160 ft.	CON EDISON OPP 362 STOCKTON ST BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S116551787 N/A
Relative: Higher			
AJ194 SSW 1/8-1/4 0.220 mi. 1162 ft.	ACQUISITION INITIATIVES, LLC. 362-364 STOCKTON STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY AST	A100293126 N/A
Relative: Higher	NY AST Facility Id: 2-608804		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AK195 West 1/8-1/4 0.224 mi. 1182 ft.	<b>GOOD NEIGHBORHOOD CLEANERS</b> 791 FLUSHING AVE BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS NY MANIFEST	1000183693 NYD986883940
Relative: Lower	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYD986883940		
AK196 West 1/8-1/4 0.224 mi. 1182 ft.	<b>791 FLUSHING AVE</b> BROOKLYN, NY 11206	EDR US Hist Cleaners	1015095934 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
AK197 West 1/8-1/4 0.228 mi. 1203 ft.	<b>JOYFUL CLEANERS</b> 789 FLUSHING AVE BROOKLYN, NY 11206	RCRA-SQG	1010566303 NYR000148882
Relative: Lower	<a href="#">Click here for full text details</a> RCRA-SQG EPA Id: NYR000148882		
AK198 West 1/8-1/4 0.228 mi. 1203 ft.	<b>JOYFUL/A &amp; K/GOOD NEIGHBOR CLEANERS</b> 789 FLUSHING AVENUE BROOKLYN, NY 11206	NY DRYCLEANERS	S110246975 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY DRYCLEANERS Facility Id: 2-6104-01170		
AK199 West 1/8-1/4 0.228 mi. 1203 ft.	<b>789 FLUSHING AVE</b> BROOKLYN, NY 11206	EDR US Hist Cleaners	1015095733 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AK200 West 1/8-1/4 0.228 mi. 1203 ft.	JOYFUL CLEANERS 789 FLUSHING AVE BROOKLYN, NY 11206	NY MANIFEST	1008154465 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
AI201 East 1/8-1/4 0.228 mi. 1205 ft.	VERIZON NEW YORK INC 70 CENTRAL AVE BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS	1004762259 NYR000095133
Relative: Higher	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYR000095133		
AI202 East 1/8-1/4 0.228 mi. 1205 ft.	VERIZON NEW YORK INC-NY-35554 70 CENTRAL AVENUE BROOKLYN, NY 11201	NY TANKS NY Spills	S110772088 N/A
Relative: Higher	<a href="#">Click here for full text details</a> NY TANKS Facility Id: 2-608051  NY Spills Spill Number/Closed Date: 9310364 / 1/27/1994		
AC203 ENE 1/8-1/4 0.228 mi. 1206 ft.	NOLL ST REALTY 144 NOLL ST BROOKLYN, NY 11206	NY AST	A100301170 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY AST Facility Id: 2-234850		
AC204 ENE 1/8-1/4 0.228 mi. 1206 ft.	COURTER & CO INC 144 NOLL ST BKLYN, NY 11206	NY SWRCY NY HIST AST	U003386987 N/A
Relative: Lower	<a href="#">Click here for full text details</a> NY HIST AST PBS Number: 2-234850		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AI205 East 1/8-1/4 0.230 mi. 1217 ft.	CON EDISON 72 CENTRAL AVE BROOKLYN, NY 11201	NY MANIFEST	S112817589 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
AI206 East 1/8-1/4 0.230 mi. 1217 ft.	CON EDISON MANHOLE: 1170 72 CENTRAL AVE BROOKLYN, NY 11201	RCRA-CESQG FINDS	1016148838 NYP004274890
Relative: Higher	<a href="#">Click here for full text details</a> RCRA-CESQG EPA Id: NYP004274890		
AL207 SSE 1/8-1/4 0.231 mi. 1218 ft.	CON ED 20 JEFFERSON ST BROOKLYN, NY 11206	NY MANIFEST	S113918971 N/A
Relative: Higher	<a href="#">Click here for full text details</a>		
AL208 SSE 1/8-1/4 0.231 mi. 1218 ft.	CON EDISON SERVICE BOX: 8634 20 JEFFERSON ST BROOKLYN, NY 11206	RCRA NonGen / NLR FINDS	1016455320 NYP004350211
Relative: Higher	<a href="#">Click here for full text details</a> RCRA NonGen / NLR EPA Id: NYP004350211		
209 NW 1/8-1/4 0.234 mi. 1235 ft.	5 BUSHWICK CT BROOKLYN, NY 11206	EDR US Hist Auto Stat	1015520557 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
210 NNE 1/8-1/4 0.234 mi. 1237 ft.  Relative: Lower	CON EDISON FRONT OF 40 BOGARTS ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S116296967 N/A
AM211 SE 1/8-1/4 0.238 mi. 1255 ft.  Relative: Higher	CON EDISON SERVICE BOX: 8947 37 TROUTMAN ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  RCRA NonGen / NLR EPA Id: NYP004347472	RCRA NonGen / NLR FINDS	1016455257 NYP004347472
AM212 SE 1/8-1/4 0.238 mi. 1255 ft.  Relative: Higher	CON EDISON 37 TROUTMAN ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY MANIFEST	S113918707 N/A
AE213 SSE 1/8-1/4 0.238 mi. 1256 ft.  Relative: Higher	15 JEFFERSON ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	EDR US Hist Auto Stat	1015235910 N/A
AE214 SSE 1/8-1/4 0.238 mi. 1256 ft.  Relative: Higher	CON EDISON OPP 15 JEFFERSON ST BROOKLYN, NY 11201  <a href="#">Click here for full text details</a>	NY MANIFEST	S117059040 N/A
AM215 SE 1/8-1/4 0.240 mi. 1266 ft.  Relative: Higher	CON EDISON - MANHOLE 8952 53 TROUTMAN STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>  RCRA-LQG EPA Id: NYP004186706	RCRA-LQG	1014396406 NYP004186706

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AM216 SE 1/8-1/4 0.240 mi. 1266 ft.  Relative: Higher	<p><b>CONED</b> 53 TROUTMAN STREET BROOKLYN, NY 11206</p> <p><a href="#">Click here for full text details</a></p>	NY MANIFEST	S110305603 N/A
AM217 SSE 1/8-1/4 0.241 mi. 1272 ft.  Relative: Higher	<p><b>NYNEX</b> TROUTMAN ST &amp; BUSHWICK AVE BROOKLYN, NY 11201</p> <p><a href="#">Click here for full text details</a></p>	NY MANIFEST	1009233913 N/A
AM218 SSE 1/8-1/4 0.242 mi. 1280 ft.  Relative: Higher	<p><b>SHELL SERVICE STATION</b> 613 BUSHWICK AVENUE BROOKLYN, NY 11221</p> <p><a href="#">Click here for full text details</a></p> <p><b>NY UST</b> Id/Status:: 2-207594 / Active Id/Status:: 2-207594</p>	NY UST	U004061894 N/A
AM219 SE 1/8-1/4 0.242 mi. 1280 ft.  Relative: Higher	<p><b>CON EDISON</b> 52 TROUTMAN ST BROOKLYN, NY 11201</p> <p><a href="#">Click here for full text details</a></p>	NY MANIFEST	S116551352 N/A
220 ENE 1/8-1/4 0.243 mi. 1284 ft.  Relative: Lower	<p><b>147 NOLL STREET</b> 147 NOLL ST BROOKLYN, NY</p> <p><a href="#">Click here for full text details</a></p> <p><b>NY LTANKS</b> Spill Number/Closed Date: 0006735 / 12/6/2002</p>	NY LTANKS	S104782243 N/A

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AN221 North 1/8-1/4 0.245 mi. 1292 ft.	TOP-LINE CONTRACTING INC 246 SEIGEL ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA-SQG	1014919508 NYR000182964
Relative: Lower	RCRA-SQG EPA Id: NYR000182964		
AN222 North 1/8-1/4 0.245 mi. 1292 ft.	TOP-LINE CONTRACTING INC 246 SEIGEL ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S111314408 N/A
Relative: Lower			
AE223 South 1/8-1/4 0.245 mi. 1292 ft.	CON EDISON 937 BROADWAY BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117314086 N/A
Relative: Higher			
AM224 SSE 1/8-1/4 0.245 mi. 1293 ft.	CON EDISON 645 BUSHWICK AVE BROOKLYN, NY 11225  <a href="#">Click here for full text details</a>	NY MANIFEST	S116550567 N/A
Relative: Higher			
225 SSW 1/8-1/4 0.245 mi. 1296 ft.	NYCHA - SUMNER 20 LEWIS AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	RCRA NonGen / NLR FINDS	1000550112 NYD986870822
Relative: Higher	RCRA NonGen / NLR EPA Id: NYD986870822		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AM226 SSE 1/8-1/4 0.246 mi. 1301 ft.	CON EDISON FRONT OF 18 TROUTMAN ST BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY MANIFEST	S117319408 N/A
Relative: Higher			
AG227 SE 1/8-1/4 0.248 mi. 1309 ft.	CON EDISON 62 TROUTMAN ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY MANIFEST	S117319718 N/A
Relative: Higher			
AO228 NW 1/4-1/2 0.257 mi. 1356 ft.	SPILL NUMBER 0303435 130 MOORE ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S105999336 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 0303435 / 7/2/2003		
229 NNE 1/4-1/2 0.281 mi. 1485 ft.	56-72 BOGART ST 56-72 BOGART STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY LTANKS NY UST	U003128027 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 9709358 / 8/9/2005  NY UST Id/Status:: 2-404764 / Unregulated/Closed Id/Status:: 2-404764		
230 NNW 1/4-1/2 0.297 mi. 1567 ft.	MARC KATZMAN 255 MCKIBBON ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S106737658 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 0410531 / 11/30/2005 Spill Number/Closed Date: 0407643 / 11/30/2005		

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

AP231 CON EDISON NY LTANKS S102959968  
 NW 155 SIEGEL ST NY MANIFEST N/A  
 1/4-1/2 BROOKLYN, NY 11201  
 0.302 mi.  
 1596 ft.

Relative:  
 Lower

[Click here for full text details](#)

NY LTANKS

Spill Number/Closed Date: 9711438 / 7/12/2010  
 Spill Number/Closed Date: 9100258 / 1/12/1998

AO232 COOPER TANK & WELDING CO. NY SWF/LF S105841714  
 NW 222-26 SIEGAL AVE N/A  
 1/4-1/2 BROOKLYN, NY 11206  
 0.303 mi.  
 1599 ft.

Relative:  
 Lower

[Click here for full text details](#)

AQ233 BORINQUEN HOUSES NY LTANKS U002034218  
 NNW 330 BUSHWICK AVENUE NY UST N/A  
 1/4-1/2 BROOKLYN, NY 11206 NY Spills  
 0.309 mi.  
 1631 ft.

Relative:  
 Lower

[Click here for full text details](#)

NY LTANKS

Spill Number/Closed Date: 9601914 / 12/9/2005

NY UST

Id/Status:: 2-601870 / Unregulated/Closed  
 Id/Status:: 2-601870

NY Spills

Spill Number/Closed Date: 9613967 / 10/28/2010

234 35 GRAHM AVE. NY LTANKS S102672170  
 WNW 35 GRAHM AVE N/A  
 1/4-1/2 BROOKLYN, NY  
 0.312 mi.  
 1648 ft.

Relative:  
 Lower

[Click here for full text details](#)

NY LTANKS

Spill Number/Closed Date: 9302281 / 5/19/1993

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
235 SE 1/4-1/2 0.312 mi. 1650 ft.	<b>WILLOUGHBY NURSING HOME</b> 949 WILLOUGHBY AVE BROOKLYN, NY 11221	NY LTANKS NY HIST UST NY AST	U003074340 N/A
Relative: Higher	<a href="#">Click here for full text details</a> <b>NY LTANKS</b> Spill Number/Closed Date: 8710918 / 10/7/1992  <b>NY HIST UST</b> PBS Number: 2-093874  <b>NY AST</b> Facility Id: 2-093874		
236 North 1/4-1/2 0.313 mi. 1651 ft.	<b>353 MCKIBBIN STREET</b> 353 MCKIBBIN STREET BROOKLYN, NY 11206	NY ENG CONTROLS NY INST CONTROL NY BROWNFIELDS	S106704102 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
237 South 1/4-1/2 0.320 mi. 1692 ft.	<b>PRIVATE PARKING AREA</b> 358-374 VERNON AVE BROOKLYN, NY	NY LTANKS	S104277038 N/A
Relative: Higher	<a href="#">Click here for full text details</a> <b>NY LTANKS</b> Spill Number/Closed Date: 9711963 / 7/14/1999		
AQ238 NNW 1/4-1/2 0.326 mi. 1721 ft.	<b>BORINQUEN HOUSES</b> 300 BUSHWICK AVENUE BROOKLYN, NY 11206	NY LTANKS NY UST	U002034217 N/A
Relative: Lower	<a href="#">Click here for full text details</a> <b>NY LTANKS</b> Spill Number/Closed Date: 9010701 / 1/13/1998 Spill Number/Closed Date: 9712046 / 2/6/2004 Spill Number/Closed Date: 9711478 / 2/2/1998  <b>NY UST</b> Id/Status:: 2-601869 / Unregulated/Closed Id/Status:: 2-601869		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
AP239 NW 1/4-1/2 0.341 mi. 1802 ft.	<b>BORINQUEN PLAZA</b> 110 HUMBOLDT STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY LTANKS NY UST	U002034215 N/A
Relative: Lower	<b>NY LTANKS</b> Spill Number/Closed Date: 9605290 / 11/10/2010  <b>NY UST</b> Id/Status:: 2-601867 / Unregulated/Closed Id/Status:: 2-601867		
240 North 1/4-1/2 0.348 mi. 1840 ft.	<b>SPILL NUMBER 0303441</b> 318 BOERUM ST BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S10599327 N/A
Relative: Lower	<b>NY LTANKS</b> Spill Number/Closed Date: 0303441 / 4/23/2004		
AR241 NW 1/4-1/2 0.363 mi. 1918 ft.	<b>BORINQUEN PLAZA</b> 120 HUMBOLDT STREET BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY LTANKS NY UST	U002034216 N/A
Relative: Lower	<b>NY LTANKS</b> Spill Number/Closed Date: 9807939 / 10/28/2010  <b>NY UST</b> Id/Status:: 2-601868 / Unregulated/Closed Id/Status:: 2-601868		
242 SSE 1/4-1/2 0.366 mi. 1932 ft.	<b>ROSE OF SHARON CHURCH</b> 1007 BROADWAY BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S102619290 N/A
Relative: Higher	<b>NY LTANKS</b> Spill Number/Closed Date: 9702141 / 3/10/2003		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
243 SSW 1/4-1/2 0.368 mi. 1944 ft.	303 VERNON AVE. -NYCHA 303 VERNON AVENUE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS NY Spills	S102238977 N/A
Relative: Higher	<p><b>NY LTANKS</b> Spill Number/Closed Date: 9011525 / 7/28/1995</p> <p><b>NY Spills</b> Spill Number/Closed Date: 0006763 / 10/30/2003 Spill Number/Closed Date: 0007014 / Not Reported Spill Number/Closed Date: 0003192 / 3/24/2003 Spill Number/Closed Date: 9514058 / 3/6/1996</p>		
AR244 NW 1/4-1/2 0.384 mi. 2028 ft.	MANHOLE 71383 130 HUMBOLDT STREET BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS NY Spills	S108058411 N/A
Relative: Lower	<p><b>NY LTANKS</b> Spill Number/Closed Date: 9402292 / 1/8/2004 Spill Number/Closed Date: 9905903 / 1/8/2004</p> <p><b>NY Spills</b> Spill Number/Closed Date: 0604078 / 8/15/2006 Spill Number/Closed Date: 8807903 / 11/14/1994</p>		
245 NNW 1/4-1/2 0.398 mi. 2102 ft.	MIRON LUMBER CO INC 268 JOHNSON AVE BROOKLYN, NY 11206  <a href="#">Click here for full text details</a>	NY LTANKS NY HIST UST NY Spills	U001839163 N/A
Relative: Lower	<p><b>NY LTANKS</b> Spill Number/Closed Date: 8904846 / 5/6/2008 Spill Number/Closed Date: 9913444 / 1/14/2009</p> <p><b>NY HIST UST</b> PBS Number: 2-016217</p> <p><b>NY Spills</b> Spill Number/Closed Date: 0103036 / 3/28/2005</p>		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
246 East 1/4-1/2 0.416 mi. 2199 ft.	MIRAMARS DRY CLEANERS 103 WILSON AVE BROOKLYN, NY 11237  <a href="#">Click here for full text details</a>	RCRA-SQG NY LTANKS NY MANIFEST US AIRS	1004760296 NYR000039164
Relative: Higher	RCRA-SQG EPA Id: NYR000039164  NY LTANKS Spill Number/Closed Date: 9611402 / 6/16/2003		
247 NNE 1/4-1/2 0.418 mi. 2206 ft.	ENVELOPE CONVERTERS INC 100 MORGAN AVENUE BROOKLYN, NY 11379  <a href="#">Click here for full text details</a>	NY LTANKS NY MANIFEST	S104278698 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 9909719 / 11/20/2000		
AS248 NE 1/4-1/2 0.420 mi. 2219 ft.	U. S. WASTE MANAGEMENT; INC. 48 KNICKERBOCKER (69 INGRAHAM ST) BROOKLYN, NY 11237  <a href="#">Click here for full text details</a>	NY SWF/LF	S105841758 N/A
Relative: Lower			
249 NW 1/4-1/2 0.423 mi. 2236 ft.	FORMER JAYER PLATING 2 INGRAHAM STREET EAST WILLIAMSBURG, NY 11206  <a href="#">Click here for full text details</a>	NY HSWDS	S104495031 N/A
Relative: Lower	NY HSWDS Facility Id: HS2044		
250 West 1/4-1/2 0.424 mi. 2240 ft.	CLOSED-LACKOF RECENT INFO 113 THROOP AVE BROOKLYN, NY  <a href="#">Click here for full text details</a>	NY LTANKS	S106703168 N/A
Relative: Lower	NY LTANKS Spill Number/Closed Date: 8707623 / 3/4/2003		

MAP FINDINGS

Map ID				EDR ID Number
Direction				EPA ID Number
Distance				
Elevation	Site	Database(s)		

251	<b>BROOKLYN TRANSFER LLC</b>		<b>NY SWF/LF</b>	<b>S103573474</b>
<b>NE</b>	<b>105-115 THAMES STREET</b>		<b>NY Spills</b>	<b>N/A</b>
<b>1/4-1/2</b>	<b>BROOKLYN, NY 11237</b>		<b>NY Financial Assurance</b>	
<b>0.428 mi.</b>				
<b>2258 ft.</b>				

[Click here for full text details](#)

Relative:  
Lower

**NY Spills**  
Spill Number/Closed Date: 9809360 / 12/7/2010

252	<b>BEDFORD AUTO SALES</b>		<b>NY SWF/LF</b>	<b>S108145701</b>
<b>SW</b>	<b>984 MYRTLE AVE</b>			<b>N/A</b>
<b>1/4-1/2</b>	<b>BROOKLYN, NY 11206</b>			
<b>0.431 mi.</b>				
<b>2275 ft.</b>				

[Click here for full text details](#)

Relative:  
Higher

253	<b>POPULAR UNIFORM</b>		<b>NY UST</b>	<b>U003107193</b>
<b>NE</b>	<b>88 INGRAHAM STREET</b>		<b>NY VCP</b>	<b>N/A</b>
<b>1/4-1/2</b>	<b>BROOKLYN, NY 11237</b>			
<b>0.465 mi.</b>				
<b>2456 ft.</b>				

[Click here for full text details](#)

Relative:  
Lower

**NY UST**  
Id/Status:: 2-602710 / Unregulated/Closed  
Id/Status:: 2-602710

AT254	<b>MORGAN TERMINAL</b>		<b>NY HSWDS</b>	<b>S108146606</b>
<b>NNE</b>	<b>200 MORGAN AVE</b>			<b>N/A</b>
<b>1/4-1/2</b>	<b>NEW YORK, NY</b>			
<b>0.468 mi.</b>				
<b>2472 ft.</b>				

[Click here for full text details](#)

Relative:  
Lower

AS255	<b>CORNELL BEVERAGES INC</b>		<b>NY LTANKS</b>	<b>U000394301</b>
<b>NE</b>	<b>105 HARRISON PLACE</b>		<b>NY UST</b>	<b>N/A</b>
<b>1/4-1/2</b>	<b>BROOKLYN, NY 11237</b>		<b>NY HIST UST</b>	
<b>0.469 mi.</b>				
<b>2478 ft.</b>				

[Click here for full text details](#)

Relative:  
Lower

**NY LTANKS**  
Spill Number/Closed Date: 9610865 / 10/17/2008  
Spill Number/Closed Date: 0706869 / 10/17/2008

**NY UST**  
Id/Status:: 2-069787 / Active  
Id/Status:: 2-069787

**NY HIST UST**

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>CORNELL BEVERAGES INC (Continued)</b>			<b>U000394301</b>
	PBS Number: 2-069787		
256 ESE 1/4-1/2 0.471 mi. 2488 ft.	<b>157 SUYDAM ST 157 SUYDAM ST &amp; CENTRAL BROOKLYN, NY</b>	<b>NY LTANKS</b>	<b>S102672775 N/A</b>
Relative: Higher	<a href="#">Click here for full text details</a>		
	<b>NY LTANKS</b> Spill Number/Closed Date: 9413391 / 1/7/1995		
257 SSE 1/4-1/2 0.472 mi. 2490 ft.	<b>CLOSED-LACKOF RECENT INFO 26 LAWTON STREET BROOKLYN, NY</b>	<b>NY LTANKS</b>	<b>S106703553 N/A</b>
Relative: Higher	<a href="#">Click here for full text details</a>		
	<b>NY LTANKS</b> Spill Number/Closed Date: 9103589 / 3/5/2003		
258 NNW 1/4-1/2 0.495 mi. 2614 ft.	<b>COMMERCIAL PROPERTY 1-7 BUSHWICK PLACE BROOKLYN, NY</b>	<b>NY LTANKS NY Spills</b>	<b>S105998592 N/A</b>
Relative: Lower	<a href="#">Click here for full text details</a>		
	<b>NY LTANKS</b> Spill Number/Closed Date: 0300112 / 3/24/2004		
	<b>NY Spills</b> Spill Number/Closed Date: 0311991 / 3/24/2004		
AT259 NNE 1/4-1/2 0.496 mi. 2621 ft.	<b>GORDON INTERNATIONAL/BKLN 140 MORGAN AVENUE BROOKLYN, NY</b>	<b>NY LTANKS NY Spills</b>	<b>S102145602 N/A</b>
Relative: Lower	<a href="#">Click here for full text details</a>		
	<b>NY LTANKS</b> Spill Number/Closed Date: 8910515 / 2/3/1990		
	<b>NY Spills</b> Spill Number/Closed Date: 8909334 / 12/26/1989		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
260 North 1/2-1 0.533 mi. 2814 ft.	<b>SCHOLES ST. STATION</b> SCHOLES ST 7 BOGART STS. MESSEROLE AND MORGAN AVE. BROOKLYN, NY 11206	EDR MGP	1008407899 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
261 West 1/2-1 0.584 mi. 3085 ft.	<b>PFIZER INC</b> 13 BARTLETT ST BROOKLYN, NY 11206	CORRACTS RCRA-LQG ICIS RAATS NY MANIFEST	1000443177 NYD001374214
Relative: Lower	<a href="#">Click here for full text details</a> RCRA-LQG EPA Id: NYD001374214		
262 ENE 1/2-1 0.674 mi. 3558 ft.	<b>TECHNICAL METAL FINISHERS</b> 214 STARR STREET BROOKLYN, NY 11237	CERC-NFRAP NY SHWS	1003864057 NYD980780894
Relative: Lower	<a href="#">Click here for full text details</a> CERC-NFRAP EPA Id: NYD980780894		
263 NNE 1/2-1 0.755 mi. 3985 ft.	<b>VARICK AVENUE</b> 165 VARICK AVENUE BROOKLYN, NY 10013	NY SHWS	S105973022 N/A
Relative: Lower	<a href="#">Click here for full text details</a>		
264 NNE 1/2-1 0.954 mi. 5039 ft.	<b>NEWTOWN CREEK SUPERFUND SITE</b> NEWTOWN CRK - N LAT 40.715192 NEW YORK, NY 99999	NPL CERCLIS RCRA-SQG	1011845384 NYN000206282
Relative: Lower	<a href="#">Click here for full text details</a> NPL EPA Id: NYN000206282  CERCLIS EPA Id: NYN000206282  RCRA-SQG EPA Id: NYN000206282		

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

265      **TECHTRONICS ECOLOGICAL CORP**  
West      **8 WALWORTH ST**  
1/2-1      **NEW YORK, NY 11205**  
0.977 mi.  
5161 ft.

**CORRACTS**      **1000244308**  
**RCRA NonGen / NLR**      **NYD000824334**  
**NY MANIFEST**

Relative:  
Lower

[Click here for full text details](#)

**RCRA NonGen / NLR**  
EPA Id: NYD000824334

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	12/31/2012	11/01/2013	01/09/2014
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	09/30/2014	10/01/2014	10/29/2014
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	09/30/2014	10/01/2014	10/29/2014
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	10/07/2014	10/09/2014	11/04/2014
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	07/16/2014	07/17/2014	08/14/2014
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	10/17/2014	10/17/2014	11/24/2014
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	09/04/2014	09/30/2014	10/30/2014
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	08/07/2014	09/25/2014	10/30/2014
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	10/08/2014	10/09/2014	11/04/2014
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	11/01/2013	12/05/2013	02/17/2014
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
NY	LIENS	Spill Liens Information	Office of the State Comptroller	08/14/2014	08/15/2014	10/29/2014
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	08/18/2014	08/19/2014	11/04/2014
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	09/30/2014	10/01/2014	10/29/2014
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	11/01/2014	11/05/2014	11/24/2014
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	11/18/2010	06/30/2014	07/21/2014
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Conservation		07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	11/06/2014	11/07/2014	11/25/2014
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	08/18/2014	08/19/2014	11/04/2014
NY	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	11/02/2010	01/03/2013	03/07/2013
NY	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/14/2012	01/03/2013	02/12/2013
NY	SWF/LF	Facility Register	Department of Environmental Conservation	10/07/2014	10/09/2014	11/04/2014
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	10/07/2014	10/09/2014	11/04/2014
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	08/01/2006	11/15/2006	11/30/2006
NY	TANKS	Storage Tank Faciily Listing	Department of Environmental Conservation	09/30/2014	10/01/2014	10/29/2014
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	09/08/2014	09/10/2014	10/30/2014
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	09/30/2014	10/01/2014	10/29/2014
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmental Conservation	04/01/2014	05/22/2014	06/13/2014
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	09/24/2014	09/25/2014	11/04/2014
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	11/11/2011	05/18/2012	05/25/2012
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2011	02/26/2013	04/19/2013
US	CERCLIS	Comprehensive Environmental Response, Compensation, and Liab	EPA	10/25/2013	11/11/2013	02/13/2014
US	CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned	EPA	10/25/2013	11/11/2013	02/13/2014

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	COAL ASH DOE	Sleam-Electric Plan Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2013	01/24/2014	02/24/2014
US	CORRACTS	Corrective Action Report	EPA	06/10/2014	07/02/2014	09/18/2014
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DELISTED NPL	National Priority List Deletions	EPA	09/29/2014	10/08/2014	11/17/2014
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR US Hist Auto Stat	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/29/2014	09/30/2014	11/06/2014
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	07/21/2014	10/07/2014	10/20/2014
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	08/16/2014	09/10/2014	10/20/2014
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	06/06/2014	09/10/2014	09/18/2014
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/30/2014	10/01/2014	11/06/2014
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	07/31/2014	10/29/2014	11/06/2014
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	02/01/2013	05/01/2013	11/01/2013
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/20/2014	06/10/2014	08/22/2014
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	07/30/2014	08/12/2014	08/22/2014
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/03/2014	11/05/2014	11/17/2014
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/06/2014	10/29/2014	11/17/2014
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/22/2014	08/22/2014	09/18/2014
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/04/2014	11/07/2014	11/17/2014
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	03/01/2013	03/01/2013	04/12/2013
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2005	12/08/2006	01/11/2007
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	02/01/2013	05/01/2013	01/27/2014
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/20/2014	06/10/2014	08/15/2014
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	07/30/2014	08/12/2014	08/22/2014
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/03/2014	11/05/2014	11/17/2014
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/06/2014	10/29/2014	11/06/2014
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	08/20/2014	08/22/2014	09/18/2014
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/04/2014	11/07/2014	11/17/2014
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	08/14/2014	08/15/2014	08/22/2014
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	09/29/2014	10/01/2014	11/06/2014
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/04/2014	06/12/2014	07/28/2014
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	08/29/2014	10/09/2014	10/20/2014
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/22/2013	08/02/2013	11/01/2013
US	NPL	National Priority List	EPA	09/29/2014	10/08/2014	11/17/2014
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2014	10/15/2014	11/17/2014
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	09/29/2014	10/08/2014	11/17/2014
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/07/2014	10/08/2014	10/20/2014
US	RCRA NonGen / NLR	RCRA - Non Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
US	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2014	08/12/2014	11/06/2014
US	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2011	07/31/2013	09/13/2013
US	TSCA	Toxic Substances Control Act	EPA	12/31/2006	09/29/2010	12/02/2010
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/16/2014	10/31/2014	11/17/2014
US	US AIRS MINOR	Air Facility System Data	EPA	10/16/2014	10/31/2014	11/17/2014
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/22/2014	09/23/2014	10/20/2014
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/25/2014	09/09/2014	10/20/2014
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	09/18/2014	09/19/2014	10/20/2014
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/04/2014	09/04/2014	10/20/2014
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/25/2014	09/09/2014	10/20/2014
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	09/18/2014	09/19/2014	10/20/2014
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/05/2014	09/04/2014	11/17/2014
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	07/30/2013	08/19/2013	10/03/2013
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2011	07/19/2012	08/28/2012
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2013	07/21/2014	08/25/2014
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2013	07/15/2014	08/13/2014
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	06/24/2014	08/22/2014	11/04/2014
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2013	06/20/2014	08/07/2014

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	Oil/Gas Pipelines	GeoData Digital Line Graphs from 1:100,000-Scale Maps	USGS			
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NY	Daycare Centers	Sensitive Receptor: Day Care Providers	Department of Health			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NY	State Wetlands	Freshwater Wetlands	Department of Environmental Conservation			
US	USGS 7.5' Topographic Map	Scanned Digital USGS 7.5' Topographic Map (DRG)	USGS			

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

BLOCK 3141  
501 BUSHWICK AVENUE  
BROOKLYN, NY 11206

### **TARGET PROPERTY COORDINATES**

Latitude (North):	40.7011 - 40° 42' 3.96"
Longitude (West):	73.9359 - 73° 56' 9.24"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589898.7
UTM Y (Meters):	4505910.0
Elevation:	47 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

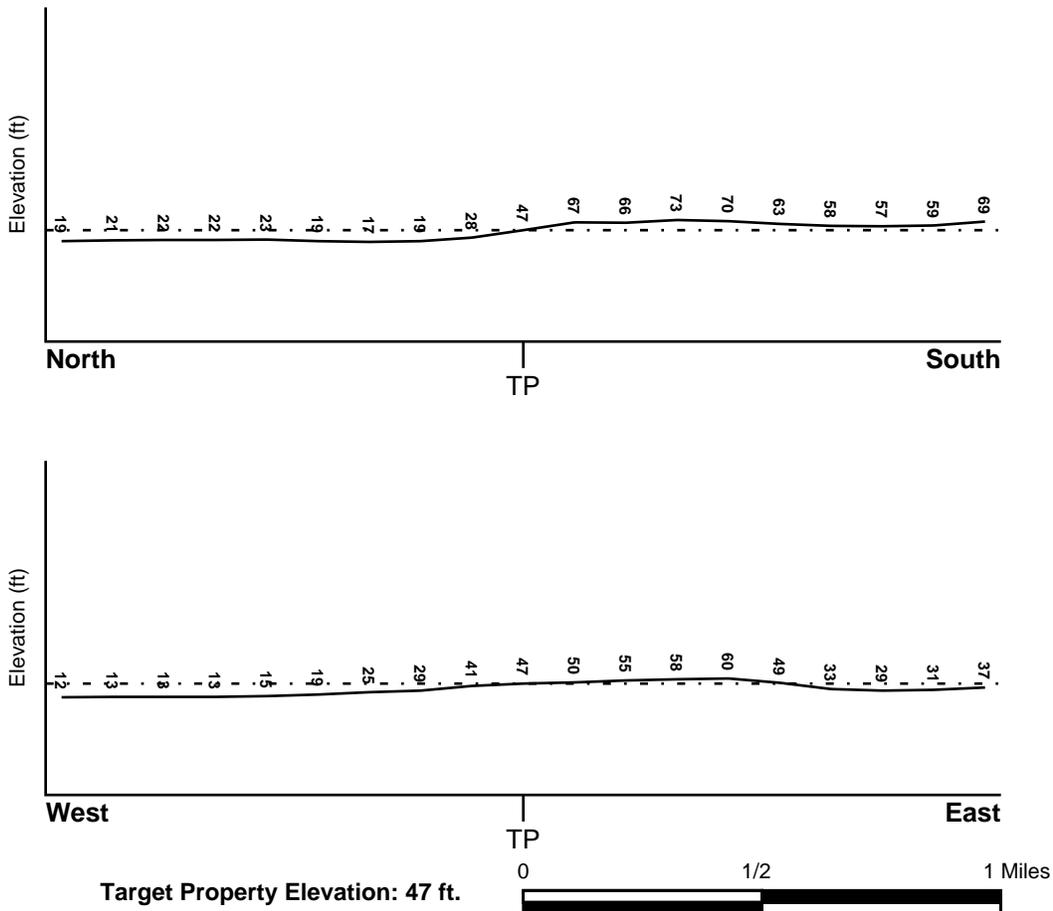
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u> KINGS, NY	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	360497 - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> BROOKLYN	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	---

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

Era: Mesozoic  
System: Cretaceous  
Series: Upper Cretaceous  
Code: uK (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Surficial Soil Types: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock  
very gravelly - loamy sand  
stratified  
sandy loam

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000829002	0 - 1/8 Mile NE
A2	USGS40000829003	0 - 1/8 Mile NE
B3	USGS40000829031	0 - 1/8 Mile ENE
B4	USGS40000829032	0 - 1/8 Mile ENE
B5	USGS40000829001	1/8 - 1/4 Mile East
B6	USGS40000829052	1/8 - 1/4 Mile ENE
C7	USGS40000828957	1/8 - 1/4 Mile ESE
8	USGS40000829063	1/8 - 1/4 Mile ENE
C9	USGS40000829000	1/8 - 1/4 Mile East
10	USGS40000828836	1/4 - 1/2 Mile South
11	USGS40000829116	1/4 - 1/2 Mile NE
12	USGS40000828808	1/4 - 1/2 Mile SSE
D13	USGS40000829233	1/4 - 1/2 Mile North
D14	USGS40000829234	1/4 - 1/2 Mile North
D15	USGS40000829232	1/4 - 1/2 Mile North
16	USGS40000828781	1/4 - 1/2 Mile South
17	USGS40000829247	1/4 - 1/2 Mile NNE
E18	USGS40000829261	1/2 - 1 Mile NNW
19	USGS40000828916	1/2 - 1 Mile WSW
20	USGS40000829033	1/2 - 1 Mile West
E21	USGS40000829273	1/2 - 1 Mile NNW
F22	USGS40000829082	1/2 - 1 Mile ENE
F23	USGS40000829101	1/2 - 1 Mile ENE
G24	USGS40000829242	1/2 - 1 Mile NW
25	USGS40000829291	1/2 - 1 Mile NNW
G26	USGS40000829262	1/2 - 1 Mile NW
H27	USGS40000828917	1/2 - 1 Mile West
H28	USGS40000828958	1/2 - 1 Mile West
29	USGS40000829364	1/2 - 1 Mile North
I30	USGS40000828973	1/2 - 1 Mile West
I31	USGS40000828976	1/2 - 1 Mile West
I32	USGS40000828975	1/2 - 1 Mile West
I33	USGS40000828974	1/2 - 1 Mile West
I34	USGS40000828960	1/2 - 1 Mile West
I35	USGS40000828959	1/2 - 1 Mile West
I36	USGS40000828977	1/2 - 1 Mile West
I37	USGS40000834988	1/2 - 1 Mile West
I38	USGS40000834987	1/2 - 1 Mile West
J39	USGS40000828918	1/2 - 1 Mile West
40	USGS40000829283	1/2 - 1 Mile NE
I41	USGS40000828938	1/2 - 1 Mile West
J42	USGS40000828940	1/2 - 1 Mile West
J43	USGS40000828939	1/2 - 1 Mile West
44	USGS40000829202	1/2 - 1 Mile ENE
45	USGS40000829320	1/2 - 1 Mile NW
K46	USGS40000828894	1/2 - 1 Mile ESE
K47	USGS40000828893	1/2 - 1 Mile ESE
L48	USGS40000829385	1/2 - 1 Mile NNW
L49	USGS40000829386	1/2 - 1 Mile NNW
50	USGS40000828715	1/2 - 1 Mile SW
M51	USGS40000829330	1/2 - 1 Mile NE
M52	USGS40000829306	1/2 - 1 Mile NE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
N53	USGS40000829064	1/2 - 1 Mile West
O54	USGS40000829004	1/2 - 1 Mile West
N55	USGS40000829065	1/2 - 1 Mile West
O56	USGS40000828978	1/2 - 1 Mile West
57	USGS40000828659	1/2 - 1 Mile SSE
58	USGS40000828626	1/2 - 1 Mile SSW
P59	USGS40000828830	1/2 - 1 Mile WSW
P60	USGS40000828809	1/2 - 1 Mile WSW
P61	USGS40000828816	1/2 - 1 Mile WSW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

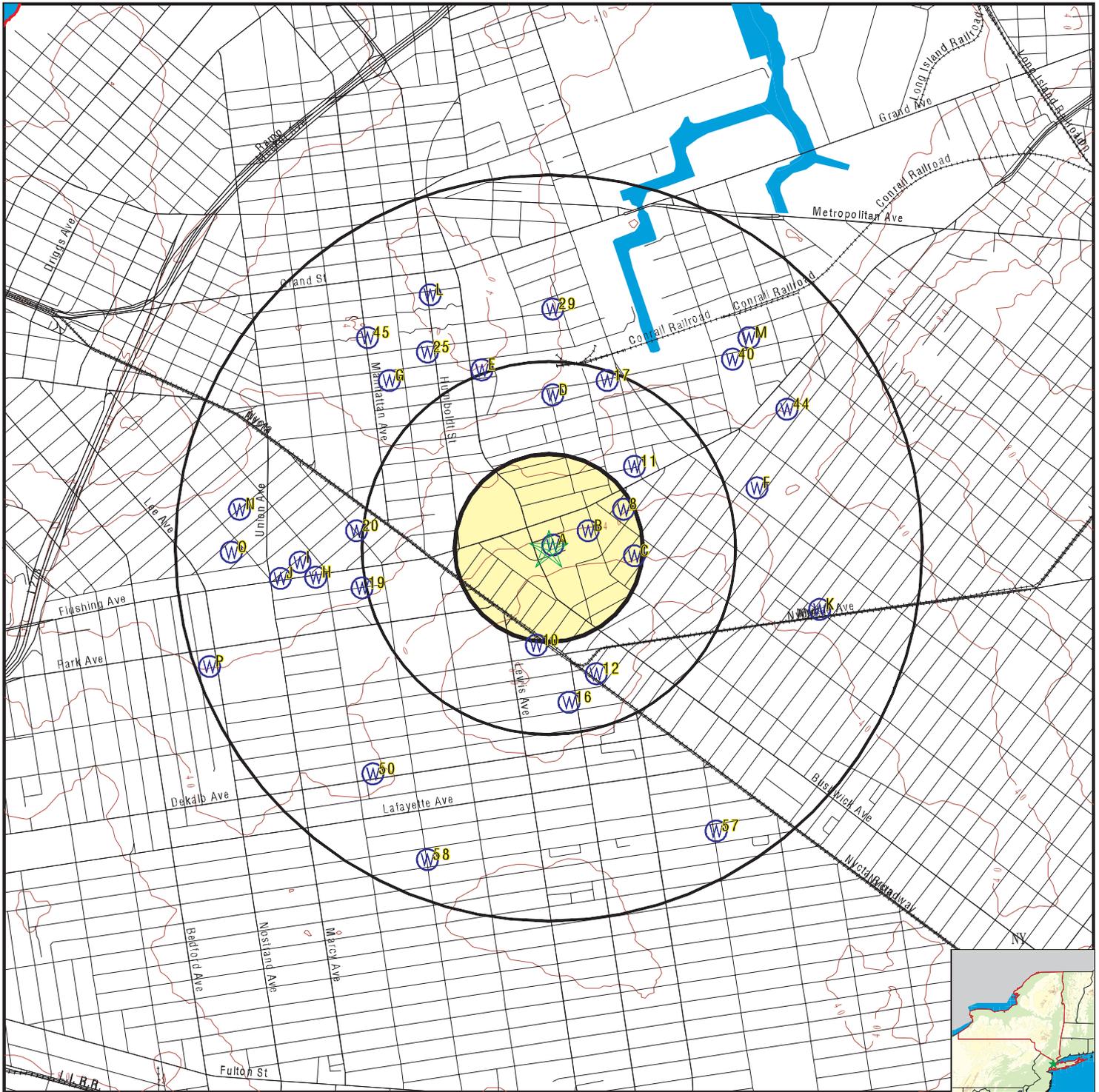
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 4176686.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Block 3141  
 ADDRESS: 501 Bushwick Avenue  
 Brooklyn NY 11206  
 LAT/LONG: 40.7011 / 73.9359

CLIENT: Env. Business Consultants  
 CONTACT: Kevin Brussee  
 INQUIRY #: 4176686.2s  
 DATE: January 08, 2015 1:27 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
A1	NE	0 - 1/8 Mile	Lower	FED USGS	USGS40000829002
<a href="#">Click here for full text details</a>					
A2	NE	0 - 1/8 Mile	Lower	FED USGS	USGS40000829003
<a href="#">Click here for full text details</a>					
B3	ENE	0 - 1/8 Mile	Lower	FED USGS	USGS40000829031
<a href="#">Click here for full text details</a>					
B4	ENE	0 - 1/8 Mile	Lower	FED USGS	USGS40000829032
<a href="#">Click here for full text details</a>					
B5	East	1/8 - 1/4 Mile	Higher	FED USGS	USGS40000829001
<a href="#">Click here for full text details</a>					
B6	ENE	1/8 - 1/4 Mile	Lower	FED USGS	USGS40000829052
<a href="#">Click here for full text details</a>					
C7	ESE	1/8 - 1/4 Mile	Higher	FED USGS	USGS40000828957
<a href="#">Click here for full text details</a>					
8	ENE	1/8 - 1/4 Mile	Lower	FED USGS	USGS40000829063
<a href="#">Click here for full text details</a>					

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C9 East 1/8 - 1/4 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829000
10 South 1/4 - 1/2 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828836
11 NE 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829116
12 SSE 1/4 - 1/2 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828808
D13 North 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829233
D14 North 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829234
D15 North 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829232
16 South 1/4 - 1/2 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828781
17 NNE 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829247

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
E18 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829261
19 WSW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828916
20 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829033
E21 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829273
F22 ENE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829082
F23 ENE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829101
G24 NW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829242
25 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829291
G26 NW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829262

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
H27 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828917
H28 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828958
29 North 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829364
I30 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828973
I31 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828976
I32 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828975
I33 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828974
I34 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828960
I35 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828959

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
I36	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000828977
		<a href="#">Click here for full text details</a>			
I37	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000834988
		<a href="#">Click here for full text details</a>			
I38	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000834987
		<a href="#">Click here for full text details</a>			
J39	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000828918
		<a href="#">Click here for full text details</a>			
40	NE	1/2 - 1 Mile	Lower	FED USGS	USGS40000829283
		<a href="#">Click here for full text details</a>			
I41	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000828938
		<a href="#">Click here for full text details</a>			
J42	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000828940
		<a href="#">Click here for full text details</a>			
J43	West	1/2 - 1 Mile	Lower	FED USGS	USGS40000828939
		<a href="#">Click here for full text details</a>			
44	ENE	1/2 - 1 Mile	Lower	FED USGS	USGS40000829202
		<a href="#">Click here for full text details</a>			

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
45 NW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829320
K46 ESE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828894
K47 ESE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828893
L48 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829385
L49 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829386
50 SW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828715
M51 NE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829330
M52 NE 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829306
N53 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829064

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
O54 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829004
N55 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000829065
O56 West 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828978
57 SSE 1/2 - 1 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828659
58 SSW 1/2 - 1 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828626
P59 WSW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828830
P60 WSW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828809
P61 WSW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000828816

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Database

Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

### RADON

#### State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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# APPENDIX F

## HISTORICAL AERIALS



**Block 3141**

501 Bushwick Avenue  
Brooklyn, NY 11206

Inquiry Number: 4176686.9

January 08, 2015

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th Floor  
Shelton, Connecticut 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**Date EDR Searched Historical Sources:**

Aerial Photography January 08, 2015

**Target Property:**

501 Bushwick Avenue

Brooklyn, NY 11206

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1924	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1924	USGS
1941	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1941	FirstSearch
1951	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1951	EDR Proprietary Aerial Viewpoint
1954	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1954	USGS
1961	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1961	EDR Proprietary Aerial Viewpoint
1966	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1966	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1974	USGS
1984	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1984	USGS
1994	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: April 04, 1994	USGS/DOQQ
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP

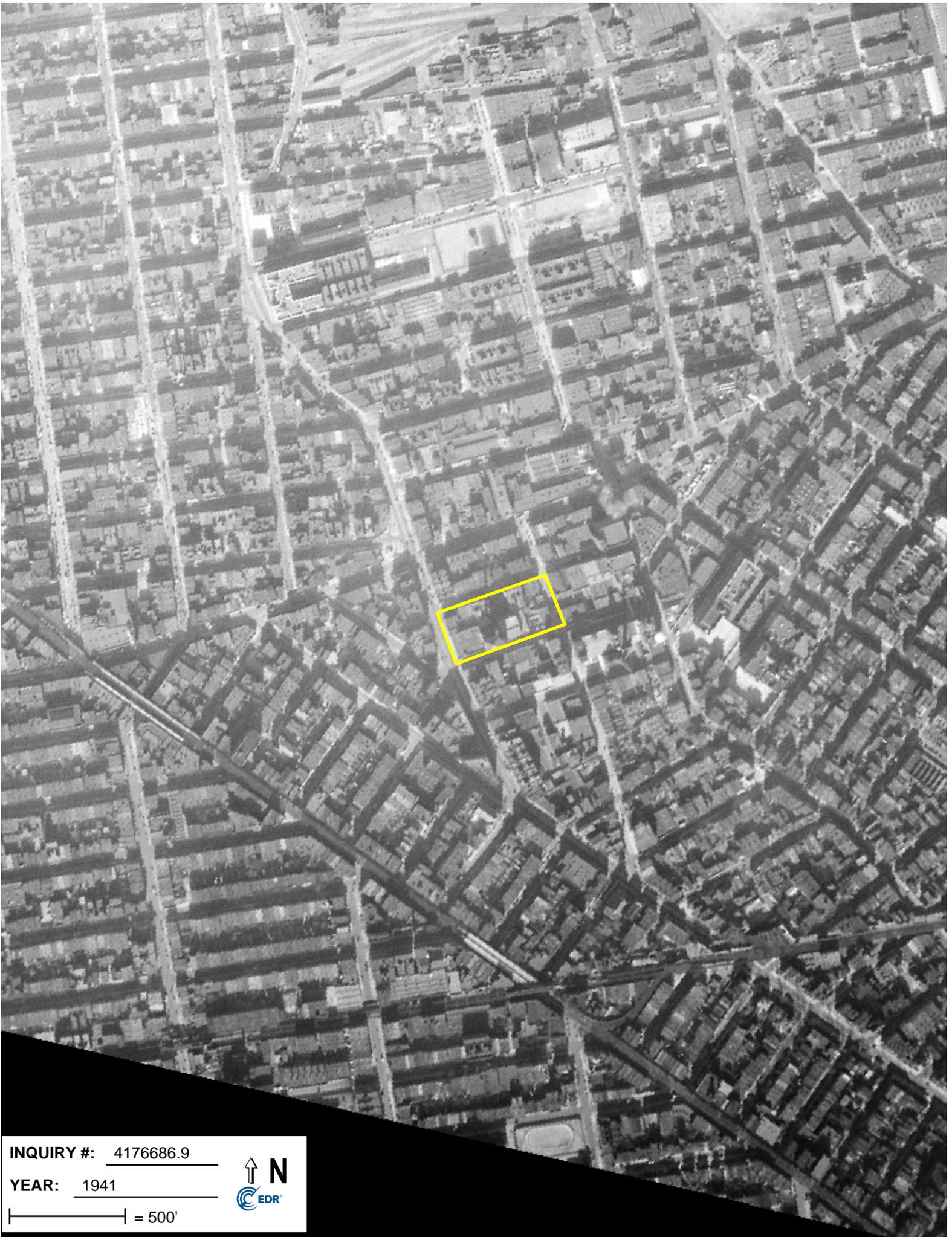


INQUIRY #: 4176686.9

YEAR: 1924

| = 500'





INQUIRY #: 4176686.9

YEAR: 1941

| = 500'





**INQUIRY #:** 4176686.9

**YEAR:** 1951

 = 500'





**INQUIRY #:** 4176686.9

**YEAR:** 1954

 = 500'



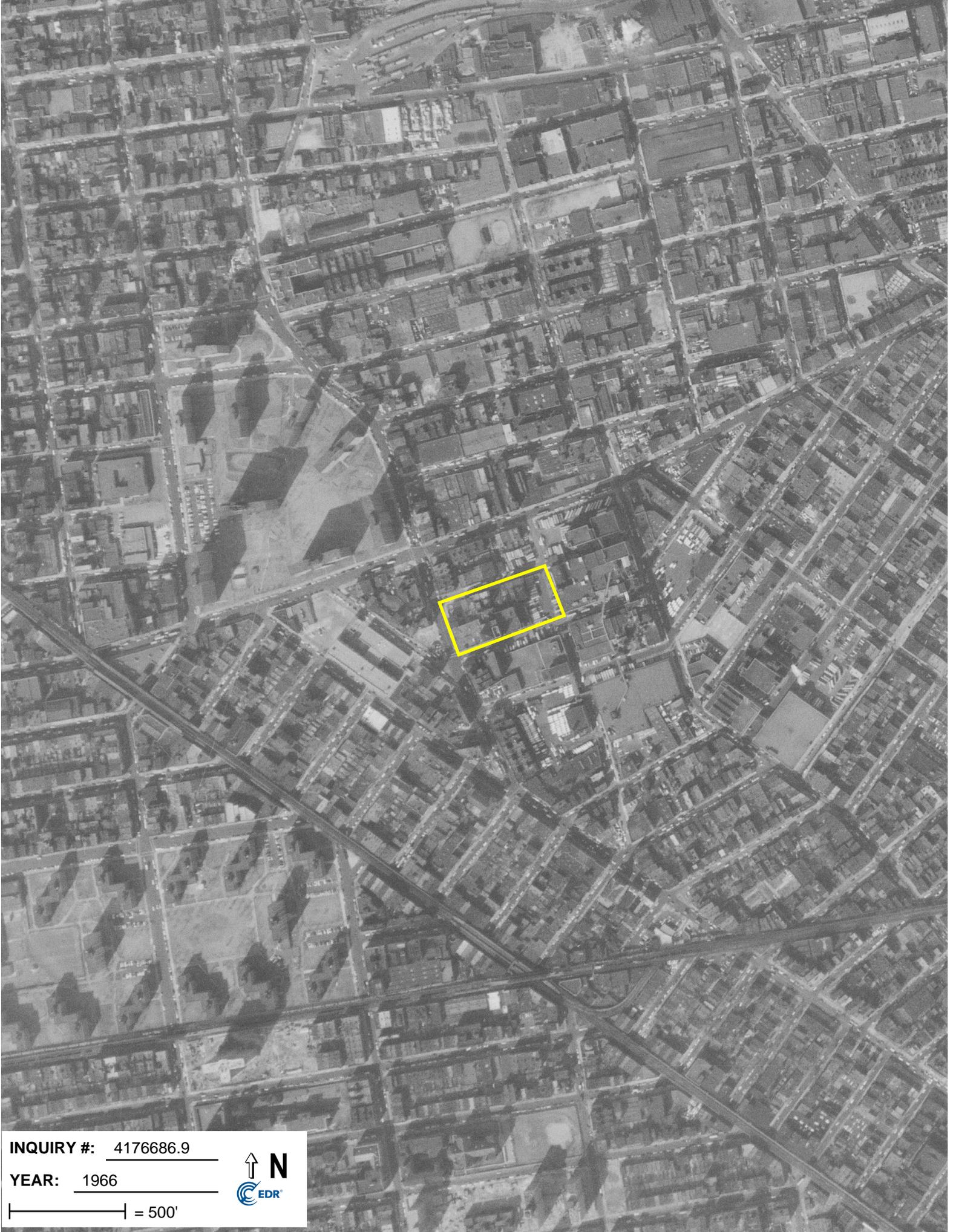


**INQUIRY #:** 4176686.9

**YEAR:** 1961

 = 500'



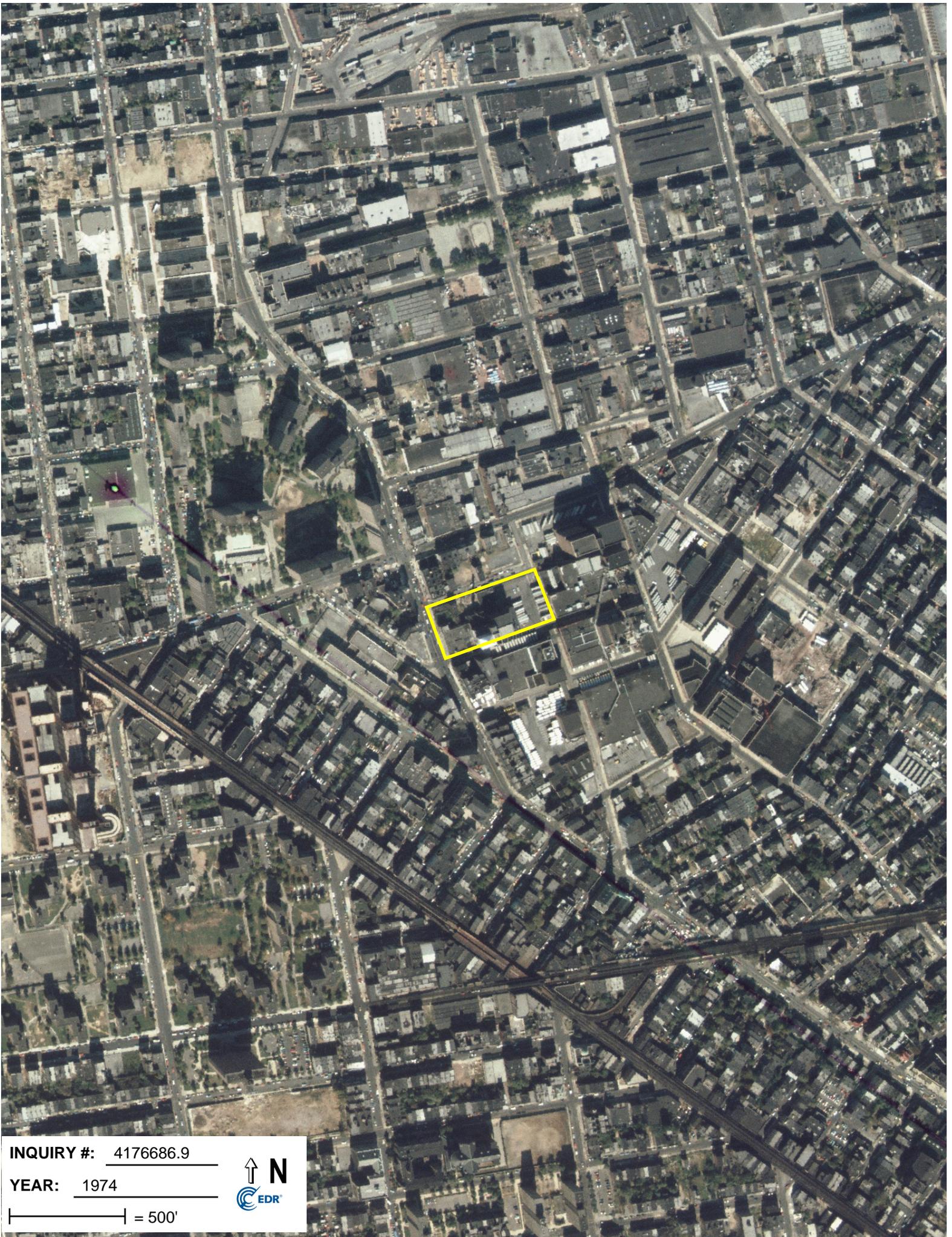


INQUIRY #: 4176686.9

YEAR: 1966



| = 500'



INQUIRY #: 4176686.9

YEAR: 1974

| = 500'





INQUIRY #: 4176686.9

YEAR: 1984

| = 500'





INQUIRY #: 4176686.9

YEAR: 1994

| = 500'





**INQUIRY #:** 4176686.9

**YEAR:** 2006

 = 500'





**INQUIRY #:** 4176686.9

**YEAR:** 2009



— = 500'



**INQUIRY #:** 4176686.9

**YEAR:** 2011

| = 500'



# APPENDIX G

## EDR VEC

**Block 3141**

501 Bushwick Avenue  
Brooklyn, NY 11206

Inquiry Number: 4176686.6s  
January 16, 2015

## EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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<u>SECTION</u>	<u>PAGE</u>
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Primary Map .....	2
Secondary Map .....	3
Aerial Photography .....	4
Map Findings .....	5
Record Sources and Currency .....	GR-1

***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

	Maximum Search Distance*	Summary		
		property	1/10	1/10 - 1/3
<b>STANDARD ENVIRONMENTAL RECORDS</b>				
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
<b>Other Standard Environmental Records</b>	<b>0.333</b>	<b>1</b>	<b>2</b>	<b>0</b>
<b>HISTORICAL USE RECORDS</b>				
Former manufactured Gas Plants	0.333	0	0	0
<b>Historical Gas Stations</b>	<b>0.25</b>	<b>0</b>	<b>2</b>	<b>0</b>
Historical Dry Cleaners	0.25	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

\*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

BLOCK 3141  
501 BUSHWICK AVENUE  
BROOKLYN, NY 11206

### COORDINATES

Latitude (North): 40.7011 - 40° 42' 3.9578247"  
Longitude (West): 73.9359 - 73° 56' 9.232178"  
Elevation: 47 ft. above sea level

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

### Site

LOT 1,TAXBLOCK 3141  
501 BUSHWICK AVENUE  
BROOKLYN, NY 11206

### Database(s)

E DESIGNATION

# EXECUTIVE SUMMARY

## PHYSICAL SETTING INFORMATION

Flood Zone: Available  
 NWI Wetlands: Available

## AQUIFLOW®

Search Radius: 0.333 Mile.

**No Aquiflow sites reported.**

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND  
 Soil Surface Texture: variable  
 Hydrologic Group: Not reported  
 Soil Drainage Class: Not reported  
 Hydric Status: Hydric Status: Soil does not meet the requirements for a hydric soil.  
 Corrosion Potential - Uncoated Steel: Not Reported  
 Depth to Bedrock Min: > 10 inches  
 Depth to Bedrock Max: > 10 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## EXECUTIVE SUMMARY

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Surficial Soil Types: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock  
very gravelly - loamy sand  
stratified  
sandy loam

# EXECUTIVE SUMMARY

## SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
LOT 1, TAXBLOCK 3141 E DESIGNATION: Other Standard Environmental Records	501 BUSHWICK AVENUE	Property	▲ A1	10
MAGIC CAR WASH NY Spills: Other Standard Environmental Records	494 BUSHWICK AVENUE	<1/10 WSW	▲ A3	17
DRUM RUN NY Spills: Other Standard Environmental Records	534 BUSHWICK AVE	<1/10 S	▲ B5	20

## HISTORICAL USE RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
494 BUSHWICK AVE EDR US Hist Auto Stat: Historical Gas Stations	494 BUSHWICK AVE	<1/10 WSW	▲ A2	16
515 BUSHWICK AVE EDR US Hist Auto Stat: Historical Gas Stations	515 BUSHWICK AVE	<1/10 SSW	▲ B4	19

# PRIMARY MAP - 4176686.6S

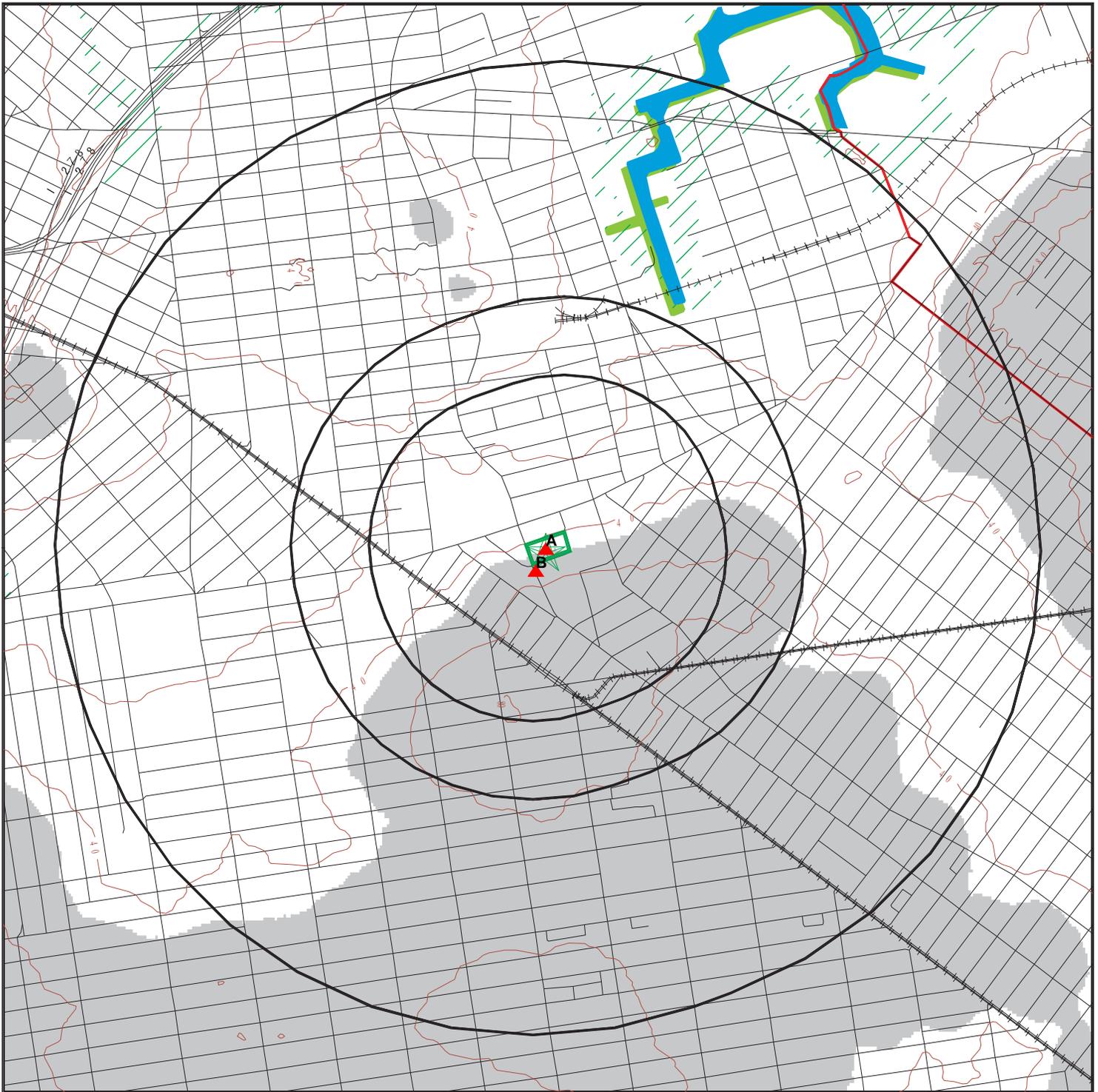


-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location

<p><b>SITE NAME:</b> Block 3141  <b>ADDRESS:</b> 501 Bushwick Avenue                  Brooklyn NY 11206  <b>LAT/LONG:</b> 40.7011 / 73.9359</p>	<p><b>CLIENT:</b> Env. Business Consultants  <b>CONTACT:</b> Kevin Brussee  <b>INQUIRY #:</b> 4176686.6S  <b>DATE:</b> January 08, 2015 2:49 pm</p>
---	---

# SECONDARY MAP - 4176686.6S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 Contour Lines

 County Boundary

 Oil & Gas pipelines from USGS

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands

 Upgradient Area



SITE NAME: Block 3141  
 ADDRESS: 501 Bushwick Avenue  
 Brooklyn NY 11206  
 LAT/LONG: 40.7011 / 73.9359

CLIENT: Env. Business Consultants  
 CONTACT: Kevin Brussee  
 INQUIRY #: 4176686.6s  
 DATE: January 08, 2015 2:45 pm

# AERIAL PHOTOGRAPHY - 4176686.6s



0 300 1/3 Miles



SITE NAME: Block 3141  
ADDRESS: 501 Bushwick Avenue  
Brooklyn NY 11206  
LAT/LONG: 40.7011 / 73.9359

CLIENT: Env. Business Consultants  
CONTACT: Kevin Brussee  
INQUIRY #: 4176686.6s  
DATE: January 08, 2015 2:51 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
<b>Worksheet:</b>		
<b>Comments:</b> Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

LOT 1, TAXBLOCK 3141 501 BUSHWICK AVENUE, BROOKLYN, NY, 11206		S114559736
▲ A1	Target Property	Other Standard Environmental Records
	47 ft. Above Sea Level	

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**E DESIGNATION: Other Standard Environmental Records** 

Tax Lot(s): 1  
 E-No: E-315  
 Effective Date: 12/10/2013  
 Satisfaction Date: Not Reported  
 Ceqr Number: 09DCP002K  
 Ulurp Number: 080322ZMK, 110179ZRK, 070250MMK  
 Zoning Map No: 13b  
 Description: Air Quality - HVAC fuel limited to natural gas  
 Borough Code: BK  
 Community District: 304  
 Census Tract: 391  
 Census Block: 1000  
 School District: 14  
 City Council District: 34  
 Fire Company: E218  
 Health Area: 34  
 Police Precinct: 083  
 Zone District 1: M1-1  
 Zone District 2: Not Reported  
 Commercial Overlay1: Not Reported  
 Commercial Overlay2: Not Reported

MAP FINDINGS

**LOT 1,TAXBLOCK 3141, 501 BUSHWICK AVENUE, BROOKLYN, NY 11206 (Continued)**

Special Purpose District1:	Not Reported
Special Purpose District2:	Not Reported
All Components1:	M1-1
All Components2:	Not Reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	930 FLUSHING LLC
Lot Area:	000012252
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0100.08
Lot Depth:	0122.42
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000069300
Total Assessed Value:	00000069300
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not Reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not Reported
Landmark Name:	Not Reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	01.00
Borough Code:	3
Borough Tax Block And Lot:	3031410001
Condominium Number:	00000
Census Tract 2:	0391
X Coordinate:	1001926
Y Coordinate:	0194636

MAP FINDINGS

**LOT 1, TAXBLOCK 3141, 501 BUSHWICK AVENUE, BROOKLYN, NY 11206 (Continued)**

Zoning Map:	13B
Sanborn Map:	309 008
Tax Map:	31101
E Designation No:	Not Reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	1
E-No:	E-315
Effective Date:	12/10/2013
Satisfaction Date:	Not Reported
Ceqr Number:	09DCP002K
Ulurp Number:	080322ZMK, 110179ZRK, 070250MMK
Zoning Map No:	13b
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	BK
Community District:	304
Census Tract:	391
Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E218
Health Area:	34
Police Precinct:	083
Zone District 1:	M1-1
Zone District 2:	Not Reported
Commercial Overlay1:	Not Reported
Commercial Overlay2:	Not Reported
Special Purpose District1:	Not Reported
Special Purpose District2:	Not Reported
All Components1:	M1-1
All Components2:	Not Reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	930 FLUSHING LLC
Lot Area:	000012252
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000

MAP FINDINGS

**LOT 1,TAXBLOCK 3141, 501 BUSHWICK AVENUE, BROOKLYN, NY 11206 (Continued)**

Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0100.08
Lot Depth:	0122.42
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000069300
Total Assessed Value:	00000069300
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not Reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not Reported
Landmark Name:	Not Reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	01.00
Borough Code:	3
Borough Tax Block And Lot:	3031410001
Condominium Number:	00000
Census Tract 2:	0391
X Coordinate:	1001926
Y Coordinate:	0194636
Zoning Map:	13B
Sanborn Map:	309 008
Tax Map:	31101
E Designation No:	Not Reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	1

MAP FINDINGS

**LOT 1,TAXBLOCK 3141, 501 BUSHWICK AVENUE, BROOKLYN, NY 11206 (Continued)**

E-No:	E-315
Effective Date:	12/10/2013
Satisfaction Date:	Not Reported
Ceqr Number:	09DCP002K
Ulurp Number:	080322ZMK, 110179ZRK, 070250MMK
Zoning Map No:	13b
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BK
Community District:	304
Census Tract:	391
Census Block:	1000
School District:	14
City Council District:	34
Fire Company:	E218
Health Area:	34
Police Precinct:	083
Zone District 1:	M1-1
Zone District 2:	Not Reported
Commercial Overlay1:	Not Reported
Commercial Overlay2:	Not Reported
Special Purpose District1:	Not Reported
Special Purpose District2:	Not Reported
All Components1:	M1-1
All Components2:	Not Reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	930 FLUSHING LLC
Lot Area:	000012252
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0100.08
Lot Depth:	0122.42
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y

MAP FINDINGS

**LOT 1, TAXBLOCK 3141, 501 BUSHWICK AVENUE, BROOKLYN, NY 11206 (Continued)**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000069300
Total Assessed Value:	00000069300
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not Reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not Reported
Landmark Name:	Not Reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	01.00
Borough Code:	3
Borough Tax Block And Lot:	3031410001
Condominium Number:	00000
Census Tract 2:	0391
X Coordinate:	1001926
Y Coordinate:	0194636
Zoning Map:	13B
Sanborn Map:	309 008
Tax Map:	31101
E Designation No:	Not Reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

MAP FINDINGS

494 BUSHWICK AVE 494 BUSHWICK AVE, BROOKLYN, NY, 11206			1015518942
▲ A2	WSW <1/10	(20 ft. / 0.004 mi.)	Historical Gas Stations
	Equal Elevation	47 ft. Above Sea Level	

**Worksheet:**

**Groundwater Flow Gradient:**

Downgradient: YES

**EDR Historical Auto Stations: Historical Gas Stations** 

Name: MAGIC LUBE  
Year: 2003  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE AND CARWASH  
Year: 2005  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE & CARWASH  
Year: 2006  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE & CARWASH  
Year: 2007  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE & CARWASH  
Year: 2008  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE  
Year: 2009  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE  
Year: 2010  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE  
Year: 2011  
Address: 494 BUSHWICK AVE

Name: MAGIC LUBE  
Year: 2012  
Address: 494 BUSHWICK AVE

MAP FINDINGS

MAGIC CAR WASH 494 BUSHWICK AVENUE, BROOKLYN, NY,			S106469094
▲ A3	WSW <1/10	(20 ft. / 0.004 mi.)	Other Standard Environmental Records
	Equal Elevation	47 ft. Above Sea Level	

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Downgradient: YES

**SPILLS: Other Standard Environmental Records**

Facility ID: 0401651  
 Facility Type: ER  
 DER Facility ID: 121206  
 Site ID: 141978  
 DEC Region: 2  
 Spill Date: 5/15/2004  
 Spill Number/Closed Date: 0401651 / 6/22/2004  
 Spill Cause: Unknown  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.  
 SWIS: 2401  
 Investigator: JMKRIMGO  
 Referred To: Not Reported  
 Reported to Dept: 5/15/2004  
 CID: 64  
 Water Affected: Not Reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not Reported  
 Cleanup Meets Std: False  
 Last Inspection: Not Reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/15/2004  
 Spill Record Last Update: 6/28/2004  
 Spiller Name: Not Reported  
 Spiller Company: MAGIC CAR WASH  
 Spiller Address: 494 BUSHWICK AVENUE  
 Spiller City,St,Zip: BROOKLYN, NY  
 Spiller Company: 001  
 Contact Name: Not Reported  
 Contact Phone: (718) 573-4444  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"Ref. to Air Division. YK

Remarks: There is an unknown chemical being released into the air when cleaning the cars. Saturday's apparently are the best day to inspect

MAP FINDINGS

**MAGIC CAR WASH, 494 BUSHWICK AVENUE, BROOKLYN, NY (Continued)**

the business.

**Material:**

Site ID:	141978
Operable Unit ID:	883505
Operable Unit:	01
Material ID:	492844
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not Reported
Material FA:	Other
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not Reported
Oxygenate:	False

**Tank Test:**

MAP FINDINGS

515 BUSHWICK AVE 515 BUSHWICK AVE, BROOKLYN, NY, 11206			1015533954
▲ B4	SSW <1/10	(101 ft. / 0.019 mi.)	Historical Gas Stations
	7 ft. Higher Elevation	54 ft. Above Sea Level	

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**EDR Historical Auto Stations: Historical Gas Stations** 

Name: SALVATORE COLLISION & TOWING INCORPORATED  
Year: 1999  
Address: 515 BUSHWICK AVE

Name: SALVATORE COLLISION & TOWING  
Year: 2000  
Address: 515 BUSHWICK AVE

Name: SALVATORE COLLISION & TOWING INC  
Year: 2001  
Address: 515 BUSHWICK AVE

Name: SALVATORE COLLISION & TOWING INC  
Year: 2002  
Address: 515 BUSHWICK AVE

Name: SALVATORE COLLISION & TOWING  
Year: 2003  
Address: 515 BUSHWICK AVE

Name: SALVATORE COLLISION & TOWING  
Year: 2004  
Address: 515 BUSHWICK AVE

MAP FINDINGS

DRUM RUN 534 BUSHWICK AVE, BROOKLYN, NY,		S113818542
▲ B5	S <1/10 (320 ft. / 0.061 mi.)	Other Standard Environmental Records
	15 ft. Higher Elevation 62 ft. Above Sea Level	

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**SPILLS: Other Standard Environmental Records**

Facility ID: 1303436  
 Facility Type: ER  
 DER Facility ID: 439098  
 Site ID: 483914  
 DEC Region: 2  
 Spill Date: 6/30/2013  
 Spill Number/Closed Date: 1303436 / 7/25/2013  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 2401  
 Investigator: RMP/IPER  
 Referred To: Not Reported  
 Reported to Dept: 6/30/2013  
 CID: Not Reported  
 Water Affected: Not Reported  
 Spill Source: Unknown  
 Spill Notifier: Fire Department  
 Cleanup Ceased: Not Reported  
 Cleanup Meets Std: False  
 Last Inspection: Not Reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/30/2013  
 Spill Record Last Update: 7/25/2013  
 Spiller Name: Not Reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not Reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: VICTOR GRESSEAU  
 Contact Phone: (917) 769-4005  
 DEC Memo: 7/24/2013- Drum not found. closed.  
 Remarks: a 2 gallon bucket was found containing the above. FDNY HAZMAT cleaned it up.

**Material:**

MAP FINDINGS

**DRUM RUN, 534 BUSHWICK AVE, BROOKLYN, NY (Continued)**

Site ID:	483914
Operable Unit ID:	1233611
Operable Unit:	01
Material ID:	2232528
Material Code:	0046A
Material Name:	COOKING GREASE
Case No.:	Not Reported
Material FA:	Other
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Resource Affected:	Not Reported
Oxygenate:	False
Site ID:	483914
Operable Unit ID:	1233611
Operable Unit:	01
Material ID:	2232529
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Resource Affected:	Not Reported
Oxygenate:	False
Site ID:	483914
Operable Unit ID:	1233611
Operable Unit:	01
Material ID:	2232530
Material Code:	9999
Material Name:	Other - water
Case No.:	Not Reported
Material FA:	Other
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Resource Affected:	Not Reported
Oxygenate:	False

**Tank Test:**

# RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### **PRP:** Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013

Source: EPA

Number of Days to Update: 3

Telephone: 202-564-6023

Last EDR Contact :12/29/2015

### **RMP:** Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014

Source: Environmental Protection Agency

Number of Days to Update: 86

Telephone: 202-564-8600

Last EDR Contact :10/27/2014

### **AIRS:** Air Emissions Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Point source emissions inventory data.

Date of Government Version: 12/31/2012

Source: Department of Environmental Conservation

Number of Days to Update: 69

Telephone: 518-402-8452

Last EDR Contact :10/27/2014

### **AST:** Petroleum Bulk Storage

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 09/30/2014

Source: Department of Environmental Conservation

Number of Days to Update: 28

Telephone: 518-402-9549

Last EDR Contact :12/30/2014

### **BROWNFIELDS:** Brownfields Site List

Standard Environmental Record Source: State and tribal Brownfields sites

## RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 09/24/2014

Source: Department of Environmental Conservation

Number of Days to Update: 40

Telephone: 518-402-9764

Last EDR Contact :11/20/2014

### **CBS:** Chemical Bulk Storage Site Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/30/2014

Source: Department of Environmental Conservation

Number of Days to Update: 28

Telephone: 518-402-9549

Last EDR Contact :12/30/2014

### **CBS AST:** Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002

Source: NYSDEC

Number of Days to Update: 30

Telephone: 518-402-9549

Last EDR Contact :07/25/2005

### **CBS UST:** Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002

Source: NYSDEC

Number of Days to Update: 30

Telephone: 518-402-9549

Last EDR Contact :10/24/2005

### **COAL ASH:** Coal Ash Disposal Site Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal ash disposal site locations.

Date of Government Version: 10/07/2014

Source: Department of Environmental Conservation

Number of Days to Update: 26

Telephone: 518-402-8660

Last EDR Contact :01/05/2015

### **CORTLAND CO. AST:** Cortland County Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014

Source: Cortland County Health Department

## RECORD SOURCES AND CURRENCY

Number of Days to Update: 14  
Last EDR Contact :11/03/2014

Telephone: 607-753-5035

### **CORTLAND CO. UST:** Cortland County Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists  
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014  
Number of Days to Update: 14  
Last EDR Contact :11/03/2014

Source: Cortland County Health Department  
Telephone: 607-753-5035

### **DEL SHWS:** Delisted Registry Sites

Standard Environmental Record Source: State and tribal - equivalent CERCLIS  
Search Distance: 0.333 Mile

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 07/16/2014  
Number of Days to Update: 28  
Last EDR Contact :11/20/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9622

### **DRYCLEANERS:** Registered Drycleaners

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.25 Mile

A listing of all registered drycleaning facilities.

Date of Government Version: 10/17/2014  
Number of Days to Update: 38  
Last EDR Contact :12/12/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-8403

### **E DESIGNATION:** E DESIGNATION SITE LISTING

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 09/04/2014  
Number of Days to Update: 30  
Last EDR Contact :12/22/2014

Source: New York City Department of City Planning  
Telephone: 718-595-6658

### **ENG CONTROLS:** Registry of Engineering Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries  
Search Distance: Property

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 09/24/2014  
Number of Days to Update: 40  
Last EDR Contact :11/20/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9553

### **ENV RES DECL:** Environmental Restrictive Declarations

## RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 08/07/2014

Source: New York City Department of City Planning

Number of Days to Update: 35

Telephone: 212-720-3300

Last EDR Contact :12/22/2014

### ERP: Environmental Restoration Program Listing

Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 09/24/2014

Source: Department of Environmental Conservation

Number of Days to Update: 40

Telephone: 518-402-9622

Last EDR Contact :11/20/2014

### HIST AST: Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002

Source: Department of Environmental Conservation

Number of Days to Update: 48

Telephone: 518-402-9549

Last EDR Contact :10/23/2006

### HIST LTANKS: Listing of Leaking Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Source: Department of Environmental Conservation

Number of Days to Update: 6

Telephone: 518-402-9549

Last EDR Contact :07/07/2005

### HIST SPILLS: SPILLS Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

## RECORD SOURCES AND CURRENCY

Date of Government Version: 01/01/2002  
Number of Days to Update: 6  
Last EDR Contact :07/07/2005

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

### **HIST UST:** Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002  
Number of Days to Update: 48  
Last EDR Contact :10/23/2006

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

### **HSWDS:** Hazardous Substance Waste Disposal Site Inventory

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: 0.333 Mile

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003  
Number of Days to Update: 41  
Last EDR Contact :05/26/2009

Source: Department of Environmental Conservation  
Telephone: 518-402-9564

### **INST CONTROL:** Registry of Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries  
Search Distance: Property

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 09/24/2014  
Number of Days to Update: 40  
Last EDR Contact :11/20/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9553

### **LIENS:** Spill Liens Information

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

Lien information from the Oil Spill Fund.

Date of Government Version: 08/14/2014  
Number of Days to Update: 75  
Last EDR Contact :11/10/2014

Source: Office of the State Comptroller  
Telephone: 518-474-9034

### **LTANKS:** Spills Information Database

Standard Environmental Record Source: State and tribal leaking storage tank lists  
Search Distance: 0.333 Mile

## RECORD SOURCES AND CURRENCY

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 08/18/2014  
Number of Days to Update: 77  
Last EDR Contact :11/20/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

**MOSF:** Major Oil Storage Facility Site Listing

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/30/2014  
Number of Days to Update: 28  
Last EDR Contact :12/30/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

**MOSF AST:** Major Oil Storage Facilities Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Number of Days to Update: 30  
Last EDR Contact :07/25/2005

Source: NYSDEC  
Telephone: 518-402-9549

**MOSF UST:** Major Oil Storage Facilities Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Number of Days to Update: 30  
Last EDR Contact :07/25/2005

Source: NYSDEC  
Telephone: 518-402-9549

**NASSAU CO. AST:** Registered Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013  
Number of Days to Update: 81  
Last EDR Contact :01/05/2015

Source: Nassau County Health Department  
Telephone: 516-571-3314

**NASSAU CO. UST:** Registered Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013  
Number of Days to Update: 81  
Last EDR Contact :01/05/2015

Source: Nassau County Health Department  
Telephone: 516-571-3314

**NCFM AST:** Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

## RECORD SOURCES AND CURRENCY

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011

Source: Nassau County Office of the Fire Marshal

Number of Days to Update: 34

Telephone: 516-572-1000

Last EDR Contact :11/03/2014

### **NCFM UST:** Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011

Source: Nassau County Office of the Fire Marshal

Number of Days to Update: 34

Telephone: 516-572-1000

Last EDR Contact :11/03/2014

### **NY MANIFEST:** Facility and Manifest Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2014

Source: Department of Environmental Conservation

Number of Days to Update: 19

Telephone: 518-402-8651

Last EDR Contact :11/05/2014

### **RES DECL:** Restrictive Declarations Listing

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

Search Distance: Property

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010

Source: NYC Department of City Planning

Number of Days to Update: 21

Telephone: 212-720-3401

Last EDR Contact :12/24/2014

### **ROCKLAND CO. AST:** Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/12/2014

Source: Rockland County Health Department

Number of Days to Update: 52

Telephone: 914-364-2605

Last EDR Contact :12/05/2014

### **ROCKLAND CO. UST:** Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/12/2014

Source: Rockland County Health Department

Number of Days to Update: 52

Telephone: 914-364-2605

Last EDR Contact :12/05/2014

### **SHWS:** Inactive Hazardous Waste Disposal Sites in New York State

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

## RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 09/24/2014

Source: Department of Environmental Conservation

Number of Days to Update: 40

Telephone: 518-402-9622

Last EDR Contact :11/20/2014

### **SPDES:** State Pollutant Discharge Elimination System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/06/2014

Source: Department of Environmental Conservation

Number of Days to Update: 18

Telephone: 518-402-8233

Last EDR Contact :10/27/2014

### **SPILLS:** Spills Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.125 Mile

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 08/18/2014

Source: Department of Environmental Conservation

Number of Days to Update: 77

Telephone: 518-402-9549

Last EDR Contact :11/20/2014

### **SUFFOLK CO. AST:** Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014

Source: Suffolk County Department of Health Services

Number of Days to Update: 34

Telephone: 631-854-2521

Last EDR Contact :11/03/2014

### **SUFFOLK CO. UST:** Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014

Source: Suffolk County Department of Health Services

Number of Days to Update: 34

Telephone: 631-854-2521

Last EDR Contact :11/03/2014

### **SWF/LF:** Facility Register

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

## RECORD SOURCES AND CURRENCY

Date of Government Version: 10/07/2014  
Number of Days to Update: 26  
Last EDR Contact :01/05/2015

Source: Department of Environmental Conservation  
Telephone: 518-457-2051

**SWRCY:** Registered Recycling Facility List

Standard Environmental Record Source: State and tribal landfill / solid waste disposal  
Search Distance: 0.333 Mile

A listing of recycling facilities.

Date of Government Version: 10/07/2014  
Number of Days to Update: 26  
Last EDR Contact :01/05/2015

Source: Department of Environmental Conservation  
Telephone: 518-402-8705

**SWTIRE:** Registered Waste Tire Storage & Facility List

Standard Environmental Record Source: State and tribal landfill / solid waste disposal  
Search Distance: 0.333 Mile

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006  
Number of Days to Update: 15  
Last EDR Contact :10/20/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-8694

**TANKS:** Storage Tank Facility Listing

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: 0.25 Mile

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/30/2014  
Number of Days to Update: 28  
Last EDR Contact :12/30/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9543

**UIC:** Underground Injection Control Wells

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/08/2014  
Number of Days to Update: 50  
Last EDR Contact :12/09/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-8056

**UST:** Petroleum Bulk Storage (PBS) Database

Standard Environmental Record Source: State and tribal registered storage tank lists  
Search Distance: Property

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/30/2014  
Number of Days to Update: 28  
Last EDR Contact :12/30/2014

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

**VAPOR REOPENED:** Vapor Intrusion Legacy Site List

## RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 04/01/2014

Source: Department of Environmental Conservation

Number of Days to Update: 22

Telephone: 518-402-9814

Last EDR Contact :11/19/2014

### **VCP:** Voluntary Cleanup Agreements

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 09/24/2014

Source: Department of Environmental Conservation

Number of Days to Update: 40

Telephone: 518-402-9711

Last EDR Contact :11/20/2014

### **WESTCHESTER CO. AST:** Listing of Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 09/23/2014

Source: Westchester County Department of Health

Number of Days to Update: 40

Telephone: 914-813-5161

Last EDR Contact :11/03/2014

### **WESTCHESTER CO. UST:** Listing of Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 09/23/2014

Source: Westchester County Department of Health

Number of Days to Update: 40

Telephone: 914-813-5161

Last EDR Contact :11/03/2014

### **2020 COR ACTION:** 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011

Source: Environmental Protection Agency

Number of Days to Update: 7

Telephone: 703-308-4044

Last EDR Contact :11/14/2014

### **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

## RECORD SOURCES AND CURRENCY

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013

Source: EPA

Number of Days to Update: 94

Telephone: 703-412-9810

Last EDR Contact :11/24/2014

### **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013

Source: EPA

Number of Days to Update: 94

Telephone: 703-412-9810

Last EDR Contact :11/24/2014

### **COAL ASH DOE:** Sleam-Electric Plan Operation Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005

Source: Department of Energy

Number of Days to Update: 76

Telephone: 202-586-8719

Last EDR Contact :10/17/2014

### **COAL ASH EPA:** Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014

Source: Environmental Protection Agency

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :12/12/2014

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 31

Telephone: Varies

Last EDR Contact :12/24/2014

### **CORRACTS:** Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list

Search Distance: 0.333 Mile

## RECORD SOURCES AND CURRENCY

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014

Source: EPA

Number of Days to Update: 78

Telephone: 800-424-9346

Last EDR Contact :12/29/2014

### **DEBRIS REGION 9:** Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009

Source: EPA, Region 9

Number of Days to Update: 137

Telephone: 415-947-4219

Last EDR Contact :10/24/2014

### **DELISTED NPL:** National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2014

Source: EPA

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :10/08/2014

### **DOT OPS:** Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012

Source: Department of Transportation, Office of Pipeline Safety

Number of Days to Update: 42

Telephone: 202-366-4595

Last EDR Contact :11/04/2014

### **EPA WATCH LIST:** EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013

Source: Environmental Protection Agency

Number of Days to Update: 88

Telephone: 617-520-3000

Last EDR Contact :11/14/2014

### **ERNS:** Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list

Search Distance: Property

## RECORD SOURCES AND CURRENCY

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014

Source: National Response Center, United States Coast Guard

Number of Days to Update: 37

Telephone: 202-267-2180

Last EDR Contact :12/29/2014

### **FEMA UST:** Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Source: FEMA

Number of Days to Update: 55

Telephone: 202-646-5797

Last EDR Contact :10/10/2014

### **FINDS:** Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014

Source: EPA

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :12/09/2014

### **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :11/19/2014

### **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009

Source: EPA

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :11/19/2014

### **FUDS:** Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

## RECORD SOURCES AND CURRENCY

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014

Source: U.S. Army Corps of Engineers

Number of Days to Update: 8

Telephone: 202-528-4285

Last EDR Contact :12/12/2014

### **HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006

Source: Environmental Protection Agency

Number of Days to Update: 40

Telephone: 202-564-2501

Last EDR Contact :12/17/2007

### **HMIRS:** Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2014

Source: U.S. Department of Transportation

Number of Days to Update: 36

Telephone: 202-366-4555

Last EDR Contact :12/30/2014

### **ICIS:** Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014

Source: Environmental Protection Agency

Number of Days to Update: 8

Telephone: 202-564-5088

Last EDR Contact :10/10/2014

### **INDIAN LUST R1:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013

Source: EPA Region 1

Number of Days to Update: 184

Telephone: 617-918-1313

Last EDR Contact :10/31/2014

### **INDIAN LUST R10:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

## RECORD SOURCES AND CURRENCY

Date of Government Version: 05/20/2014

Source: EPA Region 10

Number of Days to Update: 73

Telephone: 206-553-2857

Last EDR Contact :10/27/2014

**INDIAN LUST R4:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014

Source: EPA Region 4

Number of Days to Update: 10

Telephone: 404-562-8677

Last EDR Contact :10/27/2014

**INDIAN LUST R5:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014

Source: EPA, Region 5

Number of Days to Update: 12

Telephone: 312-886-7439

Last EDR Contact :10/27/2014

**INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014

Source: EPA Region 6

Number of Days to Update: 19

Telephone: 214-665-6597

Last EDR Contact :10/27/2014

**INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014

Source: EPA Region 7

Number of Days to Update: 27

Telephone: 913-551-7003

Last EDR Contact :10/27/2014

**INDIAN LUST R8:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014

Source: EPA Region 8

Number of Days to Update: 10

Telephone: 303-312-6271

Last EDR Contact :10/27/2014

**INDIAN LUST R9:** Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013

Source: Environmental Protection Agency

Number of Days to Update: 42

Telephone: 415-972-3372

Last EDR Contact :10/27/2014

**INDIAN ODI:** Report on the Status of Open Dumps on Indian Lands

Standard Environmental Record Source: Other Standard Environmental Records

## RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Source: Environmental Protection Agency

Number of Days to Update: 52

Telephone: 703-308-8245

Last EDR Contact :10/29/2014

### **INDIAN UST R1:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013

Source: EPA, Region 1

Number of Days to Update: 271

Telephone: 617-918-1313

Last EDR Contact :10/31/2014

### **INDIAN UST R10:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014

Source: EPA Region 10

Number of Days to Update: 66

Telephone: 206-553-2857

Last EDR Contact :10/27/2014

### **INDIAN UST R4:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014

Source: EPA Region 4

Number of Days to Update: 10

Telephone: 404-562-9424

Last EDR Contact :10/27/2014

### **INDIAN UST R5:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014

Source: EPA Region 5

Number of Days to Update: 12

Telephone: 312-886-6136

Last EDR Contact :10/27/2014

### **INDIAN UST R6:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/06/2014

Source: EPA Region 6

Number of Days to Update: 8

Telephone: 214-665-7591

Last EDR Contact :10/27/2014

## RECORD SOURCES AND CURRENCY

### **INDIAN UST R7:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014

Source: EPA Region 7

Number of Days to Update: 27

Telephone: 913-551-7003

Last EDR Contact :10/27/2014

### **INDIAN UST R8:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/04/2014

Source: EPA Region 8

Number of Days to Update: 10

Telephone: 303-312-6137

Last EDR Contact :10/27/2014

### **INDIAN UST R9:** Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014

Source: EPA Region 9

Number of Days to Update: 7

Telephone: 415-972-3368

Last EDR Contact :10/27/2014

### **INDIAN VCP R1:** Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014

Source: EPA, Region 1

Number of Days to Update: 36

Telephone: 617-918-1102

Last EDR Contact :12/31/2014

### **INDIAN VCP R7:** Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Source: EPA, Region 7

Number of Days to Update: 27

Telephone: 913-551-7365

Last EDR Contact :04/20/2009

### **LEAD SMELTER 1:** Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014

Source: Environmental Protection Agency

Number of Days to Update: 46

Telephone: 703-603-8787

Last EDR Contact :01/05/2015

## RECORD SOURCES AND CURRENCY

### **LEAD SMELTER 2: Lead Smelter Sites**

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001

Source: American Journal of Public Health

Number of Days to Update: 36

Telephone: 703-305-6451

Last EDR Contact :12/02/2009

### **LIENS 2: CERCLA Lien Information**

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014

Source: Environmental Protection Agency

Number of Days to Update: 37

Telephone: 202-564-6023

Last EDR Contact :10/27/2014

### **LUCIS: Land Use Control Information System**

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014

Source: Department of the Navy

Number of Days to Update: 11

Telephone: 843-820-7326

Last EDR Contact :11/17/2014

### **MLTS: Material Licensing Tracking System**

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013

Source: Nuclear Regulatory Commission

Number of Days to Update: 91

Telephone: 301-415-7169

Last EDR Contact :12/04/2014

### **NPL: National Priority List**

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2014

Source: EPA

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :10/08/2014

### **NPL Site Boundaries**

## RECORD SOURCES AND CURRENCY

### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-566-0690

EPA Region 1  
Telephone: 617-918-1102

EPA Region 2  
Telephone: 212-637-4293

EPA Region 3  
Telephone: 215-814-5418

EPA Region 4  
Telephone: 404-562-8681

EPA Region 5  
Telephone: 312-353-1063

EPA Region 6  
Telephone: 214-655-6659

EPA Region 7  
Telephone: 913-551-7247

EPA Region 8  
Telephone: 303-312-6118

EPA Region 9  
Telephone: 415-947-4579

EPA Region 10  
Telephone: 206-553-4479

### **NPL LIENS:** Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Source: EPA

Number of Days to Update: 56

Telephone: 202-564-4267

Last EDR Contact :08/15/2011

### **ODI:** Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985

Source: Environmental Protection Agency

Number of Days to Update: 39

Telephone: 800-424-9346

Last EDR Contact :06/09/2004

### **PADS:** PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014

Source: EPA

Number of Days to Update: 33

Telephone: 202-566-0500

## RECORD SOURCES AND CURRENCY

Last EDR Contact :10/15/2014

### **PCB TRANSFORMER:** PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011

Source: Environmental Protection Agency

Number of Days to Update: 83

Telephone: 202-566-0517

Last EDR Contact :10/31/2014

### **Proposed NPL:** Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2014

Source: EPA

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :10/08/2014

### **RAATS:** RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995

Source: EPA

Number of Days to Update: 35

Telephone: 202-564-4104

Last EDR Contact :06/02/2008

### **RADINFO:** Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014

Source: Environmental Protection Agency

Number of Days to Update: 12

Telephone: 202-343-9775

Last EDR Contact :10/08/2014

### **RCRA NonGen / NLR:** RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014

Source: Environmental Protection Agency

## RECORD SOURCES AND CURRENCY

Number of Days to Update: 78  
Last EDR Contact :12/29/2014

Telephone: 703-308-8895

### **RCRA-CESQG:** RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list  
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014  
Number of Days to Update: 78  
Last EDR Contact :12/29/2014

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **RCRA-LQG:** RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list  
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014  
Number of Days to Update: 78  
Last EDR Contact :12/29/2014

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **RCRA-SQG:** RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list  
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014  
Number of Days to Update: 78  
Last EDR Contact :12/29/2014

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **RCRA-TSDF:** RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list  
Search Distance: 0.333 Mile

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014  
Number of Days to Update: 78  
Last EDR Contact :12/29/2014

Source: Environmental Protection Agency  
Telephone: 703-308-8895

### **ROD:** Records Of Decision

## RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013

Source: EPA

Number of Days to Update: 74

Telephone: 703-416-0223

Last EDR Contact :12/12/2014

### **SCRD DRYCLEANERS:** State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011

Source: Environmental Protection Agency

Number of Days to Update: 54

Telephone: 615-532-8599

Last EDR Contact :11/18/2014

### **SSTS:** Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009

Source: EPA

Number of Days to Update: 77

Telephone: 202-564-4203

Last EDR Contact :10/27/2014

### **TRIS:** Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011

Source: EPA

Number of Days to Update: 44

Telephone: 202-566-0250

Last EDR Contact :11/26/2014

### **TSCA:** Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006

Source: EPA

Number of Days to Update: 64

Telephone: 202-260-5521

Last EDR Contact :12/22/2014

### **UMTRA:** Uranium Mill Tailings Sites

## RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010

Source: Department of Energy

Number of Days to Update: 146

Telephone: 505-845-0011

Last EDR Contact :11/26/2014

### **US AIRS (AFS):** Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014

Source: EPA

Number of Days to Update: 17

Telephone: 202-564-2496

Last EDR Contact :12/23/2014

### **US AIRS MINOR:** Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 10/16/2014

Source: EPA

Number of Days to Update: 17

Telephone: 202-564-2496

Last EDR Contact :12/23/2014

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014

Source: Environmental Protection Agency

Number of Days to Update: 27

Telephone: 202-566-2777

Last EDR Contact :12/22/2014

### **US CDL:** Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

## RECORD SOURCES AND CURRENCY

Date of Government Version: 07/25/2014  
Number of Days to Update: 41  
Last EDR Contact :11/25/2014

Source: Drug Enforcement Administration  
Telephone: 202-307-1000

### **US ENG CONTROLS:** Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries  
Search Distance: Property

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014  
Number of Days to Update: 31  
Last EDR Contact :12/03/2014

Source: Environmental Protection Agency  
Telephone: 703-603-0695

### **US FIN ASSUR:** Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014  
Number of Days to Update: 46  
Last EDR Contact :11/11/2014

Source: Environmental Protection Agency  
Telephone: 202-566-1917

### **US HIST CDL:** National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014  
Number of Days to Update: 41  
Last EDR Contact :11/25/2014

Source: Drug Enforcement Administration  
Telephone: 202-307-1000

### **US INST CONTROL:** Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries  
Search Distance: Property

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014  
Number of Days to Update: 31  
Last EDR Contact :12/03/2014

Source: Environmental Protection Agency  
Telephone: 703-603-0695

### **US MINES:** Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records  
Search Distance: Property

## RECORD SOURCES AND CURRENCY

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2014

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 74

Telephone: 303-231-5959

Last EDR Contact :12/30/2014

### **DOD:** Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Source: USGS

Number of Days to Update: 62

Telephone: 888-275-8747

Last EDR Contact :11/07/2014

### **INDIAN RESERV:** Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005

Source: USGS

Number of Days to Update: 34

Telephone: 202-208-3710

Last EDR Contact :11/07/2014

### **PWS:** Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013

Source: EPA

Number of Days to Update: 279

Telephone: Not Reported

Last EDR Contact :12/03/2014

# RECORD SOURCES AND CURRENCY

## HISTORICAL USE RECORDS

### **RGA HWS:** Recovered Government Archive State Hazardous Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: Not Reported

Source: Department of Environmental Conservation

Number of Days to Update: 182

Telephone: Not Reported

Last EDR Contact :06/01/2012

### **RGA LF:** Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: Not Reported

Source: Department of Environmental Conservation

Number of Days to Update: 193

Telephone: Not Reported

Last EDR Contact :06/01/2012

### **EDR MGP:** EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: 08/28/2009

Source: EDR, Inc.

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :11/30/2012

### **EDR US Hist Auto Stat:** EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

### **EDR US Hist Cleaners:** EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

## RECORD SOURCES AND CURRENCY

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

# RECORD SOURCES AND CURRENCY

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5' minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>®</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW<sup>®</sup> Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services. The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## STREET AND ADDRESS INFORMATION

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# APPENDIX F

## PRIOR REPORTS



**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT**

**930 Flushing Avenue  
Block 3140 Lots 1 and 50  
Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66  
Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36  
Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, and 27,  
Block 3139 Lots 28, 29, 30, 31, 32, 33, 34, 35, and 36  
Brooklyn, New York 11206**

**Prepared for:  
Arbor Realty Trust  
Uniondale, New York**

**June 15, 2012  
IVI Project No.: PC2050656**



**IVI Assessment Services, Inc.**

THIS REPORT IS THE PROPERTY OF IVI AND ARBOR REALTY TRUST AND WAS PREPARED FOR A SPECIFIC USE, PURPOSE, AND RELIANCE AS DEFINED WITHIN THE AGREEMENT BETWEEN IVI AND ARBOR REALTY TRUST AND WITHIN THIS REPORT. THERE SHALL BE NO THIRD PARTY BENEFICIARIES, INTENDED OR IMPLIED, UNLESS SPECIFICALLY IDENTIFIED HEREIN.



PROPERTY CONDITION & ENVIRONMENTAL  
DUE-DILIGENCE

IVI ASSESSMENT SERVICES, INC.

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June 15, 2012

Mr. Anthony Galluzzo  
Vice President  
Arbor Realty Trust  
333 Earle Ovington Blvd., Suite 900  
Uniondale, New York 11553  
(516) 506-4297 (tel)  
AGaluzzo@arbor.com

Re: Phase I Environmental Site Assessment  
930 Flushing Avenue  
Block 3140 Lots 1 and 50  
Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66  
Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36  
Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36  
Brooklyn, New York 11206  
IVI Project No.: PC2050656

Dear Mr. Galluzzo:

IVI Assessment Services, Inc. ("IVI") is pleased to submit this copy of our Phase I Environmental Site Assessment on the above-referenced property. This report outlines the findings of IVI's site reconnaissance, historical land use research, review of governmental records, interviews, and our Pre-Survey Questionnaire.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *environmental professional* as defined in § 312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the *subject property*. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Please contact the undersigned at 914.740.1936 or by email at [danielle.wing@ivi-intl.com](mailto:danielle.wing@ivi-intl.com) should you have any questions.

Sincerely,

IVI Assessment Services, Inc.

Danielle Wing  
Environmental Professional

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LOS ANGELES · MIAMI · WASHINGTON, D.C.  
BARCELONA · LONDON · PARIS · NICE · STOCKHOLM

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This report documents IVI's findings from our Phase I Environmental Site Assessment on the properties identified as 930 Flushing Avenue, located at Block 3140 Lots 1 and 50, Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66, Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36, Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36, in Brooklyn, New York (the "Subject"). The properties, which are situated in an urban area characterized by vacant land, institutional, commercial, and residential development, total approximately 8.8 acres.

The warehouse/distribution building is situated on Block 3140 and consists of Lots 1 and 50. Block 3141, Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36 is utilized for tractor trailer storage and private car parking. There is a single-story masonry structure and one wood framed structure that are located on the northwest corner of the block. There are also several storage containers which are being used to sell clothing along the sidewalk on Bushwick Avenue. Block 3139, Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 are utilized for private parking, trailer storage, fuel tank storage and automotive repair. A wood frame structure is located along Monteith Street. Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66 are occupied by a scaffolding company. In addition, Lot 45 is adjacent to a brick structure and is occupied by a storage container and steel framed structure.

Prior to the existing improvements, the lots on Block 3139 were improved with several residential and retail structures including a bakery and printing and office supplies facility. Prior to the construction of its existing warehouse improvements in 1987, Block 3140, Lot 1 was improved with structures associated with the original Liebermann & Sons Brewing companies, which was later identified as Rheingold Breweries, Inc. Lots associated with Block 3141 were previously improved with apartment buildings, parking garages, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility. Prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings.

The purpose of this Phase I Environmental Site Assessment was to assess existing site conditions and render an opinion as to the identified or potential presence of recognized environmental conditions in connection with the property within the scope and limitations of ASTM International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-05 and the limitations identified herein. Exceptions to or deletions from the scope of work are described in Section 2.0.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Subject except for the following:

**Historical Site and Surrounding Property Usage**

Prior to the existing improvements, the lots on Block 3139 were improved with several residential and retail structures including a bakery and printing and office supplies facility. Prior to the construction of its existing warehouse improvements in 1987, Block 3140, Lot 1 was improved with structures associated with the original Liebermann & Sons Brewing companies, which was later identified as Rheingold Breweries, Inc. Lots associated with Block 3141 were previously improved with apartment buildings, parking garages, a gasoline service station, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility. Prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings.

Of importance, portions of the Subject have historically been improved with manufacturing facilities, a printing facility, a gasoline station, and parking garages with associated gasoline tanks. More specifically, from at least 1933 up until sometime during or prior to 1951, the parking garage located on Block 3141, Lot 1 and Block 3141, Lot 15 were identified as maintaining a gasoline tank on-site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels, there is a potential that underground storage tanks (USTs) remain, which may have impacted the subsurface. IVI also observed a petroleum stain on the slab on grade floor of the interior of the vacant building of Block 3141, Lot 8. We have no knowledge as to the activities that were previously conducted in this building, however based on the observed petroleum staining, there is the possibility for auto repair to have previously been conducted in this space. Furthermore, manufacturing facilities and auto repair facilities have historically and currently been identified on properties adjacent and surrounding the Subject. Based on the above, there is the potential that historical site and current site area usage may have impacted the Subject. However, the Subject, as well as the adjacent and surrounding facilities were not listed on any regulatory databases indicative of an existing contamination condition. Groundwater in the area is not utilized as a potable water source and is presumed to be degraded to below drinking water standards, which would further decrease the potential for exposure to contamination, should any exist. Moreover, there have been no reported chemical odors or reports of health problems associated with vapors at the Subject. IVI recommends that care be taken during any excavation/redevelopment activities and that any impacted soils identified at the time be properly removed in accordance with governmental regulations.

**Underground Storage Tanks (USTs)**

No USTs were identified on the subject property and no common indicators of USTs such as vent pipes, fill ports, manways, pavement cuts, fuel gauges or dispensers were observed. In addition, according to Aaron Klein, the Property Manager, there are no USTs on-site. Furthermore, the Subject site was not identified on the New York list of registered UST facilities.

According to permits reviewed from the NYCDOB BIS Website, several of the now vacant parcels of the Subject were issued oil burner applications. More specifically Block 3139 Lots 19, 20, 32, and 36 and Block 3141 Lots 1, 6, 10, 15 and 21 were issued oil burner applications. In addition, according to the 1933 Sanborn Map, Block 3141 Lots 1 and 15 were noted to have gasoline tanks on site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels since, there is a potential that USTs remain and the subsurface may have been impacted. IVI recommends that care be taken during redevelopment activities and that any encountered petroleum bulk storage tanks be removed in accordance with governmental regulations. Furthermore, any impacted soils associated with any encountered petroleum storage tanks should be properly removed in accordance with governmental regulations.

In addition the following items of environmental concern were identified, which warrant mention.

**Current Operations**

Auto repairs and maintenance on the ambulance fleet are conducted within the American Medical Response (AMR) tenant space located on Block 3140, Lot 1. Various wastes to include waste oil, waste oil filters, brake fluid, antifreeze, tires, and used auto parts are generated as part of AMR's operations. The waste storage conditions were considered satisfactory and typical. No evidence of dumping, or catastrophic spills were observed. Nevertheless, housekeeping could be improved. In addition, light vehicle maintenance occurs on Block 3139 Lots 18, 19, 20, 21, 26, 25, 24, and 23. Waste oil is stored in 55 gallon drums and is picked up on an as needed basis by Royal Waste Services Inc. The waste storage conditions were considered satisfactory and typical. Nevertheless, housekeeping could be improved. Based upon our observations, the current operations do not appear to have significantly degraded the environmental quality of the Subject. As such, it does not appear as though these existing operations have degraded the environmental quality of the Subject and no further action with respect to same is currently recommended.

**Asbestos-Containing Materials (ACM)**

IVI did not observe friable materials likely to contain asbestos located in the warehouse/distribution structure located on Block 3140, Lot 1. However, although unlikely, based on the age of the improvements, the non-friable resilient floor finishes, wallboard assemblies, caulking, mastics, and roofing materials may contain asbestos. These materials were in good condition at the time of our site visit. No suspect ACMs were observed at the structure located on Block 3141, Lot 8. In the event that building maintenance, renovation, or demolition activities require the removal or disturbance of the suspect ACM, IVI recommends that they be characterized for asbestos by a material specific reliable method for detecting asbestos. All activities involving ACM should be conducted in accordance with governmental regulations.

**Microbial Growth**

Although microbial growth is ubiquitous and may occur in a very short time span, an effort was made to identify conspicuous growth in the common areas surveyed. A leak in the ceiling of the parts storage room at the warehouse/distribution building was observed during our visit with a very small area of microbial growth on the wall. The leak is old and was reportedly due to a clogged RTU condensate drain that has since been repaired. Interior finishes are reportedly the responsibility of the tenant. In addition water infiltration from the roof into the GOFFA tenant space was observed in the area of the recent fire. No further action is recommended at this time other than cleaning the wall area exhibiting microbial growth.

### 2.1 General

IVI was retained by Arbor Realty Trust (“Client” or “User”) to prepare a Phase I Environmental Site Assessment, in conformance with ASTM International's Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-05 on the Subject in accordance with our Agreement dated May 15, 2012.

### 2.2 Purpose and Scope

#### 2.2.1 Purpose

The purpose of this report is to identify Recognized Environmental Conditions in connection with the property, using the methodology recommended by ASTM International in order for a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser defenses to CERCLA liability and/or to help understand potential environmental conditions that could materially impact the operation of the business associated with the Subject. Specifically, this methodology is referred to as *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* Designation: E 1527-05.

The term Recognized Environmental Condition is defined by ASTM Standard E 1527-05 as “...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

#### 2.2.2 Scope

In general, the scope of this assessment consisted of reviewing readily available information and environmental data relating to the property; interviewing readily available persons knowledgeable about the site; reviewing readily available maps, aerial photographs and records maintained by federal, state, and local regulatory agencies; and conducting a site visit.

Of importance, the client is advised that federal, state, and local laws may impose environmental assessment obligations beyond the scope of this practice. Client is also notified that there are likely to be other legal obligations with regard to hazardous substances or petroleum products discovered on the Subject that are not addressed in this practice and that may pose risks of civil and/or criminal sanctions for non-compliance.

The specific scope of this assignment included the following:

**2.2.2.1** Performing a site reconnaissance to characterize on-site conditions and assess the site's location with respect to surrounding property uses and natural surface features. In addition, IVI conducted a reconnaissance of the surrounding roads and readily accessible adjacent properties to identify obvious potential environmental conditions on neighboring properties. Photographs taken as part of the site reconnaissance are provided in Appendix A.

The site visit was conducted on May 23, 2012, by Melody Berds representing IVI. The site was represented by Mr. Aaron Klein, the Property Manager. It was overcast with intermittent rain and the temperature was approximately 70° F at the time of our site survey. IVI conducted a subsequent visit on June 11, 2012. The site visit was conducted by Melody Berds representing IVI and the site was represented by Bernard Joseph, the Maintenance Superintendent. It was sunny and the temperature was approximately 75 ° F at the time of our site survey. IVI conducted the site reconnaissance in a systematic manner focusing initially on the exterior, which was surveyed in a grid pattern. IVI also surveyed a representative sampling of the interior spaces in a systematic manner.

**2.2.2.2** Interviewing persons familiar with the property to obtain information on present and previous on-site activities potentially resulting in the environmental degradation of the site or adjoining properties. A Pre-Survey Questionnaire to be filled out and returned to IVI by someone knowledgeable about the site was provided to Mr. Aaron Klein. A copy of the Pre-Survey Questionnaire is provided in Appendix B.

The following table presents a summary of the individuals contacted or to whom requests for documentation were made as part of this assessment:

<b>Name</b>	<b>Affiliation</b>	<b>Telephone No.</b>
Building Information Systems (BIS)	New York City Department of Buildings	(212) 312-8062
Ms. Marie Dooley	New York City Department of Environmental Protection	(718) 595-6530
Mr. Fawzy Abdelsadek	New York State Department of Environmental Conservation	(718) 482-4949
Ms. Rena Bryant	New York City Health Department	(212) 788-5013
Bureau of Fire Prevention	New York City Fire Department	(718) 999-2442
Aaron Klein	Property Manager-Read Properties	(917) 604-1139
Bernard Joseph	Maintenance Superintendent	(917) 882-7296

- 2.2.2.3** If provided, reviewing of information such as previously prepared appraisals, building plans and specifications, and environmental reports.
- 2.2.2.4** Reviewing readily available historical documents, such as topographic maps, aerial photographs, city directories, Sanborn Fire Insurance Maps and atlases, to identify previous activities on and in the vicinity of the Subject. Copies of these documents are included in Appendix C.
- 2.2.2.5** Reviewing readily available environmental databases maintained by federal, state, and local agencies within the approximate minimum search distances as described within the Regulatory Review Section 6.0 of this report. A copy of the Computerized Environmental Report, provided by Environmental Data Resources, Inc. can be referenced in Appendix D.
- 2.2.2.6** Conducting a visual survey of readily accessible common areas to identify the presence of the most obvious and common types of suspect asbestos containing materials (ACM). The basis for “suspect” determination is taken from the materials listed in Appendix G of the United States Environmental protection Agency (USEPA) publication Managing Asbestos in Place (also known as the Green Book). All building materials listed within Appendix G of the Green Book are considered to be suspect ACMs at the Subject. This screening is not intended to be used for demolition, abatement, renovation, or repair work.

**THIS LIMITED SURVEY IS NOT TO BE CONSTRUED AS A COMPREHENSIVE ASBESTOS SURVEY, WHICH OFTEN ENTAILS DESTRUCTIVE TESTING OR THE SURVEY OF**



AREAS BEHIND WALLS, ABOVE CEILINGS, IN TENANT SPACES AND IN OTHER TYPICALLY INACCESSIBLE AREAS. MOREOVER, IVI DOES NOT WARRANT THAT ALL ACMs AT THE SUBJECT HAVE BEEN IDENTIFIED.

- 2.2.2.7 Reviewing published radon occurrence maps to determine whether the site is located in an area with a propensity for elevated radon concentrations.
- 2.2.2.8 An analysis of mold and/or mold issues was beyond the scope of this report.
- 2.2.2.9 Assessing the age of the Subject to determine whether it is predisposed to contain lead-based paint. During our walkthrough survey, IVI noted the condition of the paint observed. Note, a compliance audit for lead paint was not conducted.
- 2.2.2.10 Testing, if any, was designed solely to meet the requirements of the client’s scope of work, not to meet any local, State or Federal regulations and shall not be utilized as such.

2.3 Data Gaps

According to § 3.3.20 of ASTM Standard E 1527-05 a data gap is a lack of or inability to obtain information required by the ASTM Standard despite good faith efforts to gather same. Data gaps may result from incompleteness in any of the activities required by the ASTM Standard. The following data gaps occurred in connection with this report:

Data Gap	Explanation	Significance of Gap
Site History	History not conducted back to a time when the site was undeveloped land (See § 5)	Low - not likely to alter Report’s conclusions due to IVI’s search of standard historical sources of information such as, historic topographic maps, city directory abstracts, Sanborn Fire Insurance Maps, reviews of previous investigations and interviews with knowledgeable individuals who were familiar with the property.



Data Gap	Explanation	Significance of Gap
Site History	Site history not conducted in 5-year intervals (See § 5)	Low - not likely to alter Report's conclusions due to IVI's search of standard historical sources of information such as, historic topographic maps, city directory abstracts, Sanborn Fire Insurance Maps, reviews of previous investigations and interviews with knowledgeable individuals who were familiar with the property.
User Interview	AAI User Questionnaire not returned to IVI	Low - User is neither property owner nor operator.
Former Owner or Operator Interview	Unable to interview former site owner or operator due to inability to locate	Low - not likely to alter Report's conclusions
Current Owner or Operator Interview	Pre-survey Questionnaire not returned to IVI	Low - not likely to alter Report's conclusions
Governmental Records	FOIAs not returned (See § 8.6)	Unknown - However, if receipt of FOIAs alters the Report's conclusion, the client will be notified

### 3.0 SALIENT ASSIGNMENT INFORMATION

930 Flushing Avenue  
Brooklyn, New York

<b>Salient Assignment Information</b>	
<b>IVI Project No.:</b>	PC2050656
<b>Project Name:</b>	930 Flushing Avenue
<b>Street Address/Block &amp; Lots:</b>	930 Flushing Avenue and Various Parcels Including: Block 3140 Lots 1 (930 Flushing Ave) and 50 Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66 Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36 Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36
<b>City, State and Zip:</b>	Brooklyn, New York 11206
<b>Primary Use:</b>	Warehouse/Distribution at Block 3140, Lot 1 (930 Flushing Avenue)
<b>Year Built and Age of Improvements:</b>	930 Flushing Avenue: 1987; 25 Years-Old Block 3141, Lot 8 (479 Bushwick Avenue): 1931; 81 Years-Old
<b>Site Area:</b>	Total of Approximately 8.8 Acres
<b>Building Size:</b>	930 Flushing Avenue: 304,080 SFG 479 Bushwick Avenue: 1,125 SFG
<b>Number of Stories:</b>	930 Flushing Avenue: Two 479 Bushwick Avenue: Single
<b>Number of Buildings:</b>	Two



**4.1 Property Location**

The site is located at 930 Flushing Avenue in the Borough of Brooklyn, Kings County, New York. The warehouse/distribution building at 930 Flushing Avenue is identified on New York City tax maps as Block 3140 Lot 1 and 50 (parking lot). The additional parcels included in this assessment are identified on New York City Tax Maps Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66, Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36, Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36. Please refer to the Site Plan and maps provided within Appendix C.

**4.2 Surrounding Land Use**

The property is located in an urban setting characterized by vacant land, institutional, commercial, and residential development. The following is a tabulation of surrounding property usage:

Direction	Adjacent Properties	Surrounding Properties
North	Along Flushing Avenue are residential buildings from 884 to 900 Flushing Avenue. Across Flushing Avenue are commercial buildings at 172 Cook Street and 945 and 961 Flushing Avenue. To the north of Block 3152 is a warehouse building identified as 80 Evergreen Avenue.	Vacant land, commercial and residential development.
South	To the south/southwest is residential development along Forest Street and Stanwix Street. To the south beyond Noll Street is a warehouse building at 80 Evergreen Avenue. To the south beyond Melrose Street is vacant land, residential, and commercial development.	Vacant land, commercial and residential development.
East	Across Evergreen Avenue is a park, commercial and institutional development, and warehouse development.	Institutional, commercial, and residential development.
West	Across and along Bushwick Avenue is mixed residential and commercial development. Across Stanwix Street is residential development.	Commercial and residential development.

Refer to Section 6.0 for adjacent/surrounding properties identified on regulatory databases.



**4.3 Physical Site Setting****4.3.1 Size and Shape of Parcel**

The properties are irregular and rectangular in shape, and total approximately 8.8-acres in size.

**4.3.2 Topography**

The Subject is essentially level, however, properties to the east are at a higher topographic elevation. The topography of the area is best described as gently sloping. According to the United States Geological Survey (USGS) *Jersey City, N.J.-N.Y. 7.5 Minute Series* topographic map, the Subject's topographic elevation is approximately 10' above mean sea level (msl). The Subject area was formed by backfilling the marsh and waterfront areas of the Gowanus Canal to raise the topographic elevation in the late 1800s through the early 1900s.

**4.3.3 Surface Waters and Wetlands****Surface Waters**

There are no surface water bodies or streams on or adjacent to the Subject. The closest open surface water to the Subject is the Newtown Creek, which is located approximately 0.5-mile to the northeast.

**Wetlands**

IVI did not observe any areas suspected to be wetlands on-site.

**4.3.4 Soils, Geology and Groundwater****Soils**

The soils at the site are classified as Urban Land. Urban Land complex are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable.

**Geology**

There are no predominant geological surface features such as rock outcroppings on the Subject. According to a report titled "Potentiometric Surface of the Water Table, Magothy and Lloyd Aquifer on Long Island, New York, dated 1984, and the Water Resources Investigation Report

published by the USGS, dated 1987, the subsurface geology in the vicinity of the Subject consists of the Upper Glacial Deposits, Gardiners Clay, Jameco Gravel, the Raritan formation, and bedrock.

The unconsolidated Upper Glacial layer, deposited during the Pleistocene, extends to a depth of 175' below grade surface (bgs) and consists of glacial outwash deposits composed of sands and gravel. The permeability of this unit is moderate to high. The Upper Glacial deposits are underlain by Gardiners Clay consisting of clay, silt, and a few layers of sand. Also deposited during Pleistocene, the Gardiners Clay extends to a depth of 200' below sea level (bsl). The permeability of this unit is very low, so it constitutes a confining unit for the underlying aquifer.

The Gardiners Clay is underlain by the Jameco Gravel unit consisting primarily of sand and gravel with a few layers of clay and silt. This unit extends to a depth of 250' bsl and is moderately to highly permeable.

The Jameco Gravel is underlain by the Raritan formation consisting of the Raritan Confining Unit and the Lloyd Sand Member, deposited during the Cretaceous Period. The Raritan Confining Unit extends to a depth of 300' bsl and is composed of clay (solid and silty), with a few lenses and layers of sand, lignite, and pyrite. The permeability of this unit is very poor. The Lloyd Sand Member extends to a depth of 400' bsl and is composed of sand and gravel within a clayey matrix. The permeability of this layer is poor to moderate.

Underlying the Raritan formation is bedrock. Paleozoic and Precambrian in age, the bedrock consists of metamorphic and metaigneous rocks (muscovite and biotic schist, gneiss and metagranites). The bedrock is poorly permeable to virtually impregnable, and constitutes the lower boundary of groundwater reservoir.

### **Groundwater**

Groundwater in Brooklyn is presumed to be degraded below potable water standards by several centuries of progressive contamination. According to the report titled *Potentiometric Surface of the Water Table, Magothy and Lloyd Aquifer on Long Island, New York in 1984, Water Resources Investigation Report 86-4189* published by the USGS during 1987, the unconfined Upper Glacial Aquifer likely flows to the north toward the Long Island Sound. However, a number of now buried stream channels existed in the area prior to the existing high level of urbanization. These may provide preferred paths of flow, while subway tunnels, buried water and steam pipes, and other subsurface manmade objects may impede and

redirect the natural groundwater flow. Infiltration to the watertable in the area is likely minimal due to the extensive paving and structures that cover most of the land surface in the vicinity.

Under natural, undisturbed conditions, shallow groundwater flow generally follows the topography of the land surface and on this basis; the topography suggests that groundwater flow across the site is in a north/northwesterly direction. However, localized conditions can alter flow direction and thus the presumed flow may not coincide with the actual in the subject area.

#### **4.4 Site Improvements**

##### **4.4.1 Utilities**

Water:	New York City Department of Environmental Protection (NYCDEP)
Sanitary Sewer:	NYCDEP
Storm Sewer:	NYCDEP
Electric:	Consolidated Edison (Con Ed)
Natural Gas:	Con Ed

Potable water is provided to the Subject via underground tunnels and pipes by the City of New York, which derives it from surface reservoirs in the Croton, Catskill, and Delaware watersheds.

Stormwater runoff collected by catch basins along the street and is discharged into the municipal stormwater management system.

##### **4.4.2 Building Description**

The warehouse/distribution building is situated on Block 3140 and consists of Lots 1 and 50. The sub-structure is most likely a conventional concrete spread footing system and the foundation walls are of cast-in-place concrete. The super-structure is framed with steel beams and columns with metal decking and cast-in-place concrete floors. The primary façade system is an exposed aggregate concrete panel. A secondary system of light beige EIFS and CMU accents are provided on the west side of the building. The roofing consists of a flat built-up roofing system with a significant section of modified bitumen roofing system. The Subject's heating and air conditioning is provided by RTUs and split systems that serve the office areas. Ceiling suspended space heaters provide heating only at warehouse areas. A hydraulic freight elevator provides vertical transportation for the AMR and OEM tenant spaces.

Block 3141, Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36 is utilized for tractor trailer storage and private car parking. There is a single-story masonry structure and one wood framed structure that are located on the northwest corner of the block. There are also several storage containers which are being used to sell clothing along the sidewalk on Bushwick Avenue.

Block 3139, Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 are utilized for private parking, trailer storage, fuel tank storage and automotive repair. A wood frame structure is located along Monteith Street. Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66 are occupied by a scaffolding company. In addition, Lot 45 is adjacent to a brick structure and is occupied by a storage container and steel framed structure.

**4.5 Current Property Use**

The following table summarizes the warehouse/distribution building’s (Block 3140, Lot 1) tenants and their activities:

Tenant	Description of Operation
Office of Emergency Management (OEM)	Vehicle and Emergency Equipment Storage
American Medical Response (AMR)	Ambulance Repair and Maintenance
Goffa International	Stuffing and Packaging of Plush Toys
L & J	Storage and Distribution of Restaurant Equipment

Auto repairs and maintenance on the ambulance fleet are conducted within the AMR tenant space. Various wastes to include waste oil, waste oil filters, brake fluid, antifreeze, tires, and used auto parts are generated as part of AMR’s operations. A complete discussion of the waste handling and management is included in Section 7.3. Bulk chemicals and waste are also stored within the service area, which are discussed in Sections 7.1 and 7.2.

Block 3140 Lot 50 is utilized for parking.

Block 3141, Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36 is utilized for tractor trailer storage and private car parking. There is a single-story masonry structure and one wood framed structure that are located on the northwest corner of the block. There are also several storage containers which are being used to sell clothing along the sidewalk on Bushwick Avenue.

Block 3139, Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 are utilized for private parking, trailer storage, mobile fuel oil tank/boiler storage and light vehicle maintenance. Waste oil generated as part of the vehicle



maintenance activities are stored in 55-gallon drums and picked up on an as needed basis by Royal Waste Services, Inc. IVI observed 21 mobile boiler and aboveground-storage tank (ASTs) trailers. Of importance, all of the ASTs were reportedly empty.

Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66 are occupied by a scaffolding company. In addition, Lot 45 is adjacent to a brick structure and is occupied by a storage container and steel framed structure.

**4.6 Environmental Permits**

Based on our research, it does not appear that environmental permits such as wastewater discharge, National Pollutant Discharge Elimination System (NPDES), or air emissions permits or petroleum bulk storage tank registrations are required at the Subject.

**4.7 Plans and Specifications**

Neither building drawings nor specifications were provided for our review.

**5.1 Historical Summary**

Prior to the existing improvements, the lots on Block 3139 were improved with several residential and retail structures including a bakery and printing and office supplies facility. Prior to the construction of its existing warehouse improvements in 1987, Block 3140, Lot 1 was improved with structures associated with the original Liebermann & Sons Brewing companies, which was later identified as Rheingold Breweries, Inc. Lots associated with Block 3141 were previously improved with apartment buildings, parking garages, a gasoline service station, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility. Prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings.

Of importance, portions of the Subject have historically been improved with manufacturing facilities, a printing facility, a gasoline station, and parking garages with associated gasoline tanks. More specifically, from at least 1933 up until sometime during or prior to 1951, the parking garage located on Block 3141, Lot 1 and Block 3141, Lot 15 were identified as maintaining a gasoline tank on-site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels, there is a potential that underground storage tanks (USTs) remain, which may have impacted the subsurface. IVI also observed a petroleum stain on the slab on grade floor of the interior of the vacant building of Block 3141, Lot 8. We have no knowledge as to the activities that were previously conducted in this building, however based on the observed petroleum staining, there is the possibility for auto repair to have previously been conducted in this space. Furthermore, manufacturing facilities and auto repair facilities have historically and currently been identified on properties adjacent and surrounding the Subject. Based on the above, there is the potential that historical site and current site area usage may have impacted the Subject. However, the Subject, as well as the adjacent and surrounding facilities were not listed on any regulatory databases indicative of an existing contamination condition. Groundwater in the area is not utilized as a potable water source and is presumed to be degraded to below drinking water standards, which would further decrease the potential for exposure to contamination, should any exist. Moreover, there have been no reported chemical odors or reports of health problems associated with vapors at the Subject.

5.2 Topographic Maps

IVI reviewed the USGS *Brooklyn, N.Y.* 7.5 Minute Series topographic map of the Subject area, which was last revised in 1995. The topographic map does not identify individual buildings or development on the subject property due to the concentration of structures in the highly urbanized Manhattan area, but rather shows the area to be shaded denoting urbanized land use, and identifies only landmarks as distinct structures. Nevertheless, the topographic map does not identify any industrial complexes, landfills or wetlands on or adjacent to the subject site.

5.3 Historical Maps

**Sanborn Fire Insurance Maps (Sanborn Maps)**

IVI had a search conducted for Sanborn Maps, which reference the property. The findings of this review are summarized below:

**Block 3139, Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36**

Year	Subject Property	Adjacent and Surrounding Properties
1888	The Subject is improved with several retail and residential structures, including a bakery.	To the north across Flushing Avenue are several retail and residential structures. To the south across Monteith Street are several retail and residential structures. To the east across Bremen Street are several retail and residential structures. To the west are residential dwellings, and the Brooklyn City H.R.R. Stables.
1907	The bakery is no longer identified. All other improvements are similar to the previous Sanborn Map reviewed.	Some of the prior residential and retail structures to the north across Flushing Avenue have been razed. Also to the north are several improvements associated with an unknown facility. Further south across Monteith Street is the Henry Claus Brewing Company. The Brooklyn City H.R.R. Stables are no longer depicted to the west. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1933	Similar to the previous Sanborn Map reviewed.	To the northwest across Flushing Avenue is a laundry and woodworking facility. The Henry Claus Brewing Company is no longer depicted to the south across Monteith Street. To the south across Monteith Street is a parking garage and several apartment buildings. All other surrounding properties are similar to the previous Sanborn Map reviewed.



Year	Subject Property	Adjacent and Surrounding Properties
1951	The southeastern portion of the Subject is improved with a structure occupied by printing and office supplies.	The laundry and woodworking facility is no longer depicted to the northwest across Flushing Avenue. To the north and northwest across Flushing Avenue is a mineral water manufacturing facility. The parking garage located to south across Monteith Street is now improved with a paper products manufacturing facility. Also to the south across Monteith Street is a machine shop. To the east across Stanwix Street is the Liebmann Breweries Inc. facility. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1965	No significant changes to the previous Sanborn Map reviewed.	To the south across Monteith Street is a parking lot. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1968	Several structures along Monteith Street have been razed and these areas are now identified as parking lots	No significant changes to the previous Sanborn Map reviewed.
1977	No significant changes to the previous Sanborn Map reviewed.	To the west along Monteith Street is an auto repair facility. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1982	No significant changes to the previous Sanborn Map reviewed.	To the north across Flushing Avenue is a parking lot. Further north is an auto repair facility. Additional structures to the south across Monteith Street have been razed. All structures to the east across Stanwix Street have been razed. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1988	No significant changes to the previous Sanborn Map reviewed.	Additional structures to the south across Monteith Street have been razed. To the east across Stanwix Street is a two-story warehouse structure occupied by Mademoiselle Knit Wear. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1993	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
2001	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
2007	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.

**Block 3141, Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36;**  
**Block 3140, Lots 1 and 50**

Year	Subject Property	Adjacent and Surrounding Properties
1888	The Subject is improved with several retail and residential dwellings, and structures associated with the Liebermann & Sons Brewing facility, and the Claus Lipsius Brewery.	To the north across Monteith Street are residential and retail structures and the Brooklyn City H.R.R. Stables. To the north across Flushing Avenue is a stamping and tin shop. Of note, some properties to the north across Flushing Avenue are not depicted. To the south across Forrest Street is the Claus Lipsius Brewery, retail and residential structures, and the Obermeyer and Liebmann’s Brewery. To the south across Prospect Street is vacant land and a residential dwelling with associated stables. To the east across Evergreen Street is vacant land. To the west across Bremen Street are several retail and residential structures and the Obermeyer and Liebmann’s Brewery. Properties to the west across Bushwick Avenue are not depicted.
1907	The Subject is improved with several structures associated with the Liebermann & Sons and Henry Claus Brewing companies.	To the north across Flushing Avenue is a boiler shop. Of note, some properties to the north across Flushing Avenue are not depicted. To the south across Forest Street are structures associated with the Obermeyer and Liebmann’s Brewery. To the south across Noll Street are residential and retail structures. To the east across Evergreen Street are structures associated with the S. Liebmann’s Sons facility. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1933	The western portion of the Subject is improved with apartment buildings, parking garages, lofts, and several retail structures. Of note, the parking garage located at 20-24 Monteith Street (Block 3141, Lot 15) is identified as maintaining a gasoline tank on-site. In addition, the parking garage located on Block 3141, Lot 1 is also identified as maintaining a gasoline tank on-site.	To the north across Flushing Avenue appear to be plumbing supply facilities. To the south across Noll Street are apartment buildings. To the south across Forrest Street are a grain bins facility, bottling storage facility, truck storage and repair facility, wagon shed, and lofts. To the east across Evergreen Avenue are structures associated with the Beyerle Manufacturing Company, Inc.(manufacturing of rubber goods) and a bottle and box storage facility. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.



Year	Subject Property	Adjacent and Surrounding Properties
1951	The garage formerly identified along Monteith has been converted to a paper product manufacturer. The garage formerly identified along Bushwick Avenue is now identified as a loft building. The gasoline tanks are no longer noted in either location.	Some of the apartment buildings to the south across Noll Street have been razed. To the south across Forrest Street is a warehouse associated with the Liebmann's Brewery. To the east across Evergreen Avenue is a beer bottling and cleaning factory. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1965	No significant changes to the previous Sanborn Map reviewed.	Some structures to the north across Monteith Street have been razed. To the south across Noll Street is a beer storage and shipping facility. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1968	No significant changes to the previous Sanborn Map reviewed.	To the north across Monteith Street are two parking lots. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1977	The Liebermann & Sons and Henry Claus Brewing companies is now identified as Rheingold Breweries, Inc. Three manufacturing facilities and office structures are located on the western portion of the Subject.	Structures associated with the now Rheingold Breweries are depicted to the east across Evergreen Avenue. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1982	Structures associated with the Rheingold Breweries have been razed. The eastern portion of the Subject is vacant and the western portion is now only improved with an iron manufacturing facility, paper products manufacturing facility, and two additional unidentified manufacturing facilities.	Structures associated with the Rheingold Breweries are no longer depicted to the east across Evergreen Avenue. To the west across Stanwix Street is only a parking lot. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1988	The Subject is improved with its existing warehouse structure and is occupied by Mademoiselle Knit Wear. Reportedly, the structure was constructed in 1987. The western portion of the Subject is occupied by only the iron manufacturing facility. All other manufacturing facilities have been razed and the property to the west along Stanwix Street is identified as a parking area.	Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1993	No significant changes to the previous Sanborn Map reviewed.	To the north across Flushing Avenue is a warehouse and commercial structure. Properties to the west across Bushwick



Year	Subject Property	Adjacent and Surrounding Properties
		Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.
2001	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
2007	No significant changes to the previous Sanborn Map reviewed.	To the south across Forest Street are residential dwellings. The structure to the south across Noll Street is no longer identified as a beer storage and shipping facility. Properties to the west across Bushwick Avenue are not depicted. All other surrounding properties are similar to the previous Sanborn Map reviewed.

**Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64 and 66**

Year	Subject Property	Adjacent and Surrounding Properties
1888	The Subject is improved with residential dwellings and a shed.	To the north is vacant land and residential dwellings. To the south across Melrose Street are residential dwellings. To the east of Lot 56 is a residential dwelling. To the east of Lot 48 is a retail structure. To the east of Lot 45 is a dwelling. To the west of Stanwix Street are residential dwellings. To the west of Lot 48 is a residential structure and to the west of Lot 45 is a retail structure.
1907	A portion of Lot 48 is improved with a carriage house, stables, and a soda and water bottling facility.	To the north is a two-story structure labeled as a compound, as well as an associated storage building. No significant changes to the previous Sanborn Map reviewed. To the east of Lot 56 is a tailor. To the east of Lot 48 and to the west of Lot 45 is a club house. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1933	Lot 48 is now improved with a garage. Lot 45 is occupied by a paint storage building along the northern end of the property.	The two story structure to the north is identified as a laundry facility. To the south across Melrose Street is a private garage and a commercial garage with an on-site gasoline tank. To the east of Lot 48 is a glass works facility. To the east of Lot 45 is an ice box manufacturing facility. To the west across Stanwix Street are apartments, and a metal storage facility. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1951	Lot 66 is improved with a toiletries manufacturing facility.	The laundry facility to the north is now identified as a bakery. The ice box manufacturing facility to the east of Lot 45



Year	Subject Property	Adjacent and Surrounding Properties
		is now identified as a soda fountain manufacturing facility. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1965	No structures are identified on Lots 1, 2, 66, 58, 56 and 45.	To the north is a single-story beer storage and shipping structure which was reportedly constructed in 1964. To the east and west of Lot 48 is a parking lot. To the west across Stanwix Street is a garage. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1968	The western portion of the Subject is identified as only a parking lot.	The commercial and private garage is no longer depicted to the south across Melrose Street. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1977	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
1982	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
1988	No significant changes to the previous Sanborn Map reviewed.	To the west across Stanwix Street is vacant land. All other surrounding properties are similar to the previous Sanborn Map reviewed.
1993	Lot 48 is no longer improved with a garage and is now depicted as vacant land.	No significant changes to the previous Sanborn Map reviewed.
2001	No significant changes to the previous Sanborn Map reviewed.	No significant changes to the previous Sanborn Map reviewed.
2007	No significant changes to the previous Sanborn Map reviewed.	To the west across Stanwix Street are residential structures. All other surrounding properties are similar to the previous Sanborn Map reviewed.

**5.4 Aerial Photographs**

Inasmuch as the Subject has been sufficiently covered by other standard historic information sources, aerial photographs were not consulted as part of this assessment.

**5.5 Chain-of-Ownership**

A copy of the Subject’s Chain-of-Title has not been provided to IVI for review.



**5.6 Previous Reports**

IVI reviewed several previous environmental assessment prepared for the Subject. The information obtained was not verified for accuracy by IVI and critiques of the reports were beyond the scope of this basement. The following documents were provided for review.

- *Phase I Environmental Site Assessment Report, Warehouse Buildings 930 Flushing Avenue and 80 Evergreen Avenue, Brooklyn, New York*, dated July 15, 2003, prepared by NAC on behalf of Arbor National Commercial Mortgage, LLC. Of importance, this report included 80 Evergreen Avenue, which is excluded from the scope of this assessment. The 2003 assessment does not include any of the parcels included in our 2012 assessment on Block 3152. Furthermore, it is unclear which properties NAC included on Blocks 3139 and 3141, however it appears only Block 3139 Lots 19, 20, 21, 23, 24, and 25 and Block 3141 Lots 18, 20, 21, 22, and a portion of 23 were included.

The following was identified with in the Executive Summary of the Report.

1. NAC noted that the Property consisted of two warehouse or manufacturing buildings. 930 Flushing was constructed in circa 1987-1988, prior to which this building was developed with multiple commercial and residential structures and a large brewery, and was utilized a knitting manufacturing facility from the late 1980's until the mid to late 1990s. Reportedly the building was primarily vacant since that time with the exception of some areas of the building that have been utilized as a warehouse. The 80 Evergreen Avenue building was constructed in 1962 and was utilized for storage until September 2002 when the building reportedly caught fire. The structure was reported as vacant since 2002. Prior to the construction of 80 Evergreen, the property was developed with multiple residential and commercial structures. One of the commercial structures in the location was previously identified as a "compound" facility (which NAC noted that the usage was unclear) circa 1907, as a laundry facility in the early 1930's and as a bakery in the early 1950's. NAC notes that there was no evidence to suggest that the laundry facility was engaged in dry cleaning operations. The remainder of the property was utilized as parking lots at the time of the NAC assessment. This portion was noted to be formerly developed with multiple residential and commercial structures. NAC further identified that this area of the property previously included a printing facility from the early 1950's until the late 1960's.

2. NAC concluded and recommended the following

- § The former usage of a portion of the property as a printing facility was identified as a REC based on the potential usage of solvents and inks. NAC Recommended further evaluation on the potential impact of the former printing facility as an environmental condition for the Subject.
- § The 80 Evergreen Avenue building constructed in 1962 has the potential for asbestos building materials. NAC recommended implementing an O&M.
- In addition to the above report, IVI previously conducted an environmental assessment on portions of the Subject titled, *Phase I Environmental Site Assessment, 304,000 SFG; Industrial /Warehouse Building, And West Adjacent Vacant Parcel, 930 Flushing Avenue, Brooklyn, New York 11206*, dated July 27, 2005 on behalf of Arbor Realty Trust, Inc. Information obtained from our 2005 report has been incorporated into the pertinent sections of this report. Of importance, our 2005 report did not include all of the parcels on Block 3152 and Block 3139 and excluded the following lots on Block 3141 Lots 1, 5, 6, 7, 8, 15, 21, and 22.

5.7 City Directories

IVI commissioned EDR to obtain a historical City Directory Abstract for the Subject for the years 1920 through 2006. This review yielded the following information:

**Subject:** Commercial and manufacturing listings were identified for the Subject. Some residential listings were also identified. Of note, several Iron Works listings were identified for 479 Bushwick Avenue (Block 3141 lot 8) from 1965 through 2005. 20 Montieth Street (Block 3141 Lot 15) was identified with metal products and manufacturing listings throughout the 1970s.

**Surrounding Properties:** Residential, commercial office, retail, and manufacturing listings were identified for surrounding properties.

Please refer to Appendix F for a copy of the City Directory Abstract.

5.8 Interviews

According to Aaron Klein, the Property Manager, who has been involved with the property since 2003, he was unaware of the Subject's improvements prior to the construction of the existing improvements.

**5.9 Municipal Records**

**Tax Assessor Records**

According to the tax assessor records reviewed at the NYCDOB, the Subject is identified on the City of New York Tax Maps as Block 3140 Lots 1 (930 Flushing Ave) and 50, Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66, Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36, Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36. The parcels total approximately 8.8-acres in size.

**Building Department Records**

IVI reviewed building permits and records for the Subject on the NYC DOB Building Information Systems (BIS) Website. The following relevant permits were reviewed:

Block	Lot	Permit Number	Year	Purpose of Permit
3139	19	FO 11495-46	1946	Oil Burner Application
3139	19	FO 1555-50	1950	Oil Burner Application
3139	20	FO 2263-61	1961	Oil Burner Application
3139	32	FO 441-62	1962	Oil Burner Application
3139	36	FO 4058-60	1960	Oil Burner Application
3141	1	FO 11049(491)-111346	1911	Oil Burner Application
3141	6	FO5280-062047	1906	Oil Burner Application
3141	10	FO 974-090866	1909	Oil Burner Application
3141	15	FO 10448-46	1946	Oil Burner Application
3141	21	FO 11069-46	1946	Oil Burner Application



According to the permits reviewed from the NYCDOB BIS website, several of the now vacant parcels of the Subject were issued oil burner applications. More specifically Block 3139 Lots 19, 20, 32, and 36 and Block 3141 Lots 1, 6, 10, 15 and 21 were issued oil burner applications. In addition, IVI reviewed several Certificate of Occupancy documents (CO), which indicated manufacturing, machine shop, and iron working usages on the Subject. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951.

**5.10 Internet Search**

IVI conducted a cursory internet search for the Subject's name and address using the Google search engine on June 11, 2012. No environmentally related information was identified on the first page of the Google search engine.

A copy of regulatory database information contained within a Computerized Environmental Report (CER) provided by Environmental Data Resources, Inc. (EDR) appears in Appendix D. The CER is a listing of sites identified on select federal and state standard source environmental databases within the approximate minimum search distance specified by ASTM Standard Practice for Environmental Site Assessments E 1527-05. IVI reviewed each environmental database to determine if certain sites identified in the CER are suspected to represent a material negative environmental impact to the Subject. The following table lists the number of sites by regulatory database within the prescribed minimum search distance appearing in the CER.

<b>Databases Reviewed</b>	<b>Approximate Minimum Search Distance (AMSD)</b>	<b>Number of Sites Within AMSD</b>
Federal National Priorities List (NPL) Site List	One-Mile	1
Federal Delisted NPL Site List	One-Half Mile	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	One-Half Mile	0
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Sites	One-Half Mile	0
Federal Resource Conservation and Recovery Information System (RCRIS) Treatment, Storage, and Disposal (TSD) List	One-Half Mile	0
Federal RCRIS Generators List	On-Site and Adjoining Properties	2
Federal Corrective Action Tracking System (CORRACTS)	One-Mile	1
Federal Emergency Response Notification System (ERNS) List	On-Site	0
Federal Institutional/Engineering Control Registries	On-Site	0
New York and Tribal Lists of NPL Equivalent Hazardous Waste Sites Identified for Investigation and/or Remediation	One-Mile	3
New York and Tribal Lists of CERCLIS Equivalent Hazardous Waste Sites Identified for Investigation and/or Remediation	One-Half Mile	0
New York and Tribal Landfills or Solid Waste Facilities List	One-Half Mile	6
New York and Tribal Petroleum Bulk Storage Tank List	On-Site and Adjoining Properties	4
New York and Tribal Leaking UST/Spill List	One-Half Mile	89
New York and Tribal Institutional/Engineering Control Registries	On-Site	0
New York and Tribal Voluntary Cleanup Sites	One-Half Mile	2
New York and Tribal Brownfields Sites	One-Half Mile	2

The CER identified 20 "Orphan Sites". "Orphan Sites" are those sites that could not be mapped or "geocoded" due to inadequate address information. Refer to the CER for details on this "Orphan Site". IVI attempted to locate this site via a review of street maps, vehicular reconnaissance and/or interviews with people familiar with the area. "Orphan Sites" identified in this manner are analyzed in their respective regulatory database section below.

A description of the databases reviewed by IVI and an analysis of sites identified within the prescribed search area are presented below.

### 6.1 Federal Databases

#### NPL

The NPL database is a listing of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or "Superfund"). A site must be on the NPL to receive money from the Trust Fund for Remedial Action.

*Analysis/Comment:* The CER identified the following NPL site within the AMSD:

Property Name/ Address	Distance (Mile)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Newtown Creek South End of Ivy Hill Road	0.874	NNE	Crossgradient	Currently on the Final NPL

Based on the review of the CER and the EPA website, Newtown Creek is listed on the NPL list. The Hudson River is a 3.5-mile estuary that forms part of the border between Brooklyn and Queens. Due to the numerous industrial activities, oil spills, raw sewage and toxin discharges along Newtown Creek the sediments are considered highly contaminated. Newtown Creek was designated as a Superfund site in September 2010.

This site is located over ½ of a mile from the Subject, which is a sufficient distance from the Subject so as not to be reasonably suspect of having impacted same. In addition, this site is located hydrogeologically downgradient from the Subject. As such, IVI does not suspect this site of having had a significant negative environmental impact on the Subject.

**Delisted NPL Site List**

The EPA may delete a final NPL site if it determines that no further response is required to protect human health or the environment. Under Section 300.425(e) of the National Contingency Plan (55 FR 8845, March 8, 1990). Sites that have been deleted from the NPL remain eligible for further Superfund-financed remedial action in the unlikely event that conditions in the future warrant such action. Partial deletions can also be conducted at NPL sites.

*Analysis/Comment:* The CER did not identify Delisted NPL sites within the AMSD.

**CERCLIS**

CERCLIS is the USEPA's system for tracking potential hazardous-waste sites within the Superfund program. A site's presence on CERCLIS does not imply a level of federal activity or progress at a site, nor does it indicate that hazardous conditions necessarily exist at the location. Within one year of being entered into CERCLIS, the USEPA performs a preliminary assessment of a site. Based upon the results of the preliminary assessment, the USEPA may conduct additional investigation, which could lead to a site being listed on the NPL.

*Analysis/Comment:* The CER did not identify CERCLA sites within the AMSD.

**CERCLIS No Further Remedial Action Planned (NFRAP) Sites**

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from the CERCLIS list. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to warrant Federal Superfund Action or NPL consideration.

*Analysis/Comment:* The CER did not identify CERCLA NFRAP sites within the AMSD.

**RCRIS TSD**

The RCRIS TSD contains information pertaining to those facilities that treat, store, or dispose of hazardous waste. While these facilities represent some form of hazardous waste activity, they are most significant if determined to be out of compliance or to have violations.

*Analysis/Comment:* The CER did not identify RCRIS TSD facilities within the AMSD.

**RCRIS Generators**

IVI reviewed the list of sites, which have filed notification with the USEPA in accordance with RCRA requirements. These sites include generators of hazardous waste regulated under RCRA. Under RCRA, hazardous waste generators are classified by the quantity of hazardous waste generated in a calendar month into the following categories: Large Quantity Generator (LQG), greater than 1,000 kilograms (kg); Small Quantity Generator (SQG), 100 to 1,000 kg; and Conditionally-Exempt Small Quantity Generator (CESQG), less than 100 kg. RCRA Generators, while they represent some form of hazardous waste activity, are most significant if they are determined to have Class I Violations or to be non-compliant.

**Analysis/Comment:** The CER did not identify RCRA Generators within the AMSD.

Property Name	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
NYC BD of Ed Public School 1 100 Noll Street	Adjacent	East	Crossgradient	No Violations

According to the CER, the above property was identified on the RCRA Non-Generators database, indicating that hazardous waste is currently not generated on-site. Historically, the above facility was identified as a SQG in 1996 under EPA ID NYR000077313. Of importance, no violations or compliance infractions were identified in connection with the above facility. Of note, this site was identified on the Spills Database. Please refer to the LUST/Spills Section below for further discussion.

Property Name	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
ConEdison Manhole 629 Flushing Ave & Evergreen Ave	Adjacent	NE	Crossgradient	No Violations

According to the CER, the ConEd vault located on the corner of Flushing Avenue and Evergreen Avenue was identified on the RCRA Non-Generators database, indicating that hazardous waste is currently not generated on-site. Historically, the above facility was identified as a LQG in 2006 under EPA ID NYP004132130. Of importance, no violations or compliance infractions were identified in connection with the above facility. Of note, this site was identified on the Spills Database. Please refer to the LUST/Spills Section below for further discussion.

**Corrective Action Tracking System (CORRACTS)**

CORRACTS is a list of facilities that are found to have had hazardous waste releases and require RCRA corrective action activity, which can range from site investigations to remediation.

*Analysis/Comment:* The CER identified the following CORRACTS site within the AMSD:

Property Name/ Address	Distance (Mile)	Direction	Presumed Hydrogeologic Relationship	Compliance Status
PFIZER Inc. 11 Bartlett Street	0.581	West	Crossgradient	RFA Completed

Based on its distance from the Subject, in conjunction with being at an assumed crossgradient hydrogeologic position, IVI does not suspect this site to have had a negative environmental impact on the Subject.

**ERNS**

The ERNS is a database of notifications of oil discharges and hazardous substance releases made to the Federal government. These notifications are used by “On-Scene Coordinators” to determine an emergency response and release prevention. When a call is made to the National Response Center or one of the 10 USEPA Regions, a report is created containing all of the release information that the caller provided. This report is transferred to an appropriate agency to evaluate the need for a response and the records are electronically transferred to the ERNS database. As such, if a reported release of oil or a hazardous substance is deemed to require a response, it should also be listed in the appropriate federal or state environmental database such as CERCLIS, state equivalent CERCLIS, or state leaking underground storage tank or spills lists.

*Analysis/Comment:* The CER did not identify the Subject on the ERNS database.

**Federal Institutional Control/Engineering Control Registries**

These Federal registries contain listings of those sites which have either engineering and/or institutional controls in place. Engineering controls include various physical control devices such as fences, caps, building slabs, paved areas, liners and treatment methods to eliminate pathways for regulated substances to enter the environment or affect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions and post remediation care requirements

intended to prevent exposure to contaminants remaining on site. Deed restrictions (Activity and Use Limitations) are generally required as part of institutional controls.

*Analysis/Comment:* The CER did not identify the Subject on the Federal Institutional or Engineering Control registries.

## 6.2 New York State Department of Environmental Conservation (NYSDEC) and Tribal Databases

### Registry of Inactive Hazardous Waste Disposal Sites (IHWDS) and Tribal NPL Equivalent State Hazardous Waste Sites (SHWS)

The IHWDS and Tribal NPL Equivalent SHWS list is an inventory of toxic sites listed by New York and/or Tribal Environmental and Health Authorities. These sites are either under remediation, or are currently under evaluation for further action, if necessary.

*Analysis/Comment:* The CER identified the following IHWDS and/or Tribal NPL Equivalent Hazardous Waste sites within the AMSD:

Property Name/ Address	Distance (Mile)	Direction	Presumed Hydrogeologic Relationship	Compliance Status
Technical Metal Finishers 214 Starr Street	0.593	ENE	Crossgradient	Completed
Varick Avenue 165 Varick Avenue	0.667	NNE	Crossgradient	Completed

These sites are located a sufficient distance from the Subject so as not to be reasonably suspect of having impacted same. In addition, these sites are located hydrogeologically crossgradient from the Subject and groundwater flow across these sites is away from the Subject. As such, IVI does not suspect that these sites have had a negative environmental impact upon the Subject.

### Vapor Intrusion Legacy Site List

"Vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying or adjacent buildings. The subsurface source can either be contaminated groundwater or contaminated soil which releases vapors into the pore spaces in the soil. Improvements in analytical techniques and knowledge gained from site investigations in New York and other states has led to an increased awareness of soil vapor as a medium of concern and of the potential for exposures from the soil vapor intrusion pathway. Based on this additional information, the NYSDEC is currently re-evaluating pre-2003

remedial decisions on IHWDS where chlorinated hydrocarbons were released to determine the possibility of vapor intrusion at the sites. The Vapor Intrusion Legacy Site List is a database of these sites.

*Analysis/Comment:* The CER did not identify Vapor Intrusion Legacy sites within a mile of the Subject.

**New York and Tribal CERCLIS Equivalent Hazardous Waste Sites**

The State HWS is an inventory of dumps, landfills, and other toxic sites listed by Environmental and Health Authorities. The Tribal NPL Equivalent HWS list is an inventory of toxic sites listed by Tribal Environmental and Health Authorities. These sites are either under remediation, or are currently under evaluation for further action, if necessary.

*Analysis/Comment:* The CER did not identify New York and/or Tribal CERCLIS Equivalent Hazardous Waste sites within the AMSD.

**New York Hazardous Waste Disposal Sites (NY HSWDS)**

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

*Analysis/Comment:* The CER identified the following NYHWDS within the AMSD:

Property Name/ Address	Distance (Mile)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Former Jayer Plating 2 Ingraham St	0.283	North	Downgradient	Not Reported

This site is located a sufficient distance from the Subject so as not to be reasonably suspect of having impacted same. In addition, this site is located hydrogeologically downgradient from the Subject and groundwater flow across this site is suspected to be away from the Subject. As such, IVI does not suspect this site of having had a significant negative environmental impact on the Subject.



**New York and/or Tribal Solid Waste Facilities (SWF) List**

The SWF list is an inventory of landfills, incinerators, transfer stations, and other sites that manage solid wastes.

*Analysis/Comment:* The CER identified the following SWF sites the AMSD:

Property Name/ Address	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Ram Auto Wreckers 230 Cook Street	0.046	North	Downgradient	Inactive
Bedford Auto Sales 984 Myrtle Avenue	0.431	SW	Crossgradient	Active
Cooper Tank Recycling 201-203 Moore Street	0.152	NW	Crossgradient	Active
Cooper Tank & Welding Co 222-26 Siegal Ave	0.289	WNW	Crossgradient	Inactive
U.S. Waste Management, Inc. 48 Knickerbocker	0.328	NE	Crossgradient	Inactive
Browning Ferris Industries 105-115 Thames St	0.338	NE	Crossgradient	Active

Based on their distances from the Subject, in conjunction with being at assumed crossgradient/downgradient hydrogeological positions from the Subject, IVI does not suspect these sites to have had a negative environmental impact on the Subject.

**Petroleum Bulk Storage (PBS) Tanks List and/or Tribal Registered Storage Tanks (RST) Facility List**

The PBS Tank list is an inventory of registered liquid bulk storage tanks maintained either by the county or the NYSDEC. Inclusion of a site on the PBS Tank list does not necessarily constitute environmental contamination, but instead merely indicates the presence of registered bulk storage tanks.

*Analysis/Comment:* The CER identified the following PBS Tank sites within the AMSD:



Property Name/ Address	Distance (Mile)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Magic Car Wash & Lube 494 Bushwick Ave	Adjacent	West	Crossgradient	Active UST Spills
NYC Bd of Ed Public School 1 100 Noll Street	Adjacent	SE	Upgradient	Active AST Spills
890 Flushing Avenue	Adjacent	North	Crossgradient	Active AST

The above sites were identified on the LUST/Spills Databases, however all have been granted a Case Closed status by the NYSDEC, indicating the incidents were remediated to the satisfaction of the State. As such, IVI does not suspect these sites to have had a negative environmental impact on the Subject.

### New York Leaking Underground Storage Tanks (LUST) and Spill Lists

The LUST list is an inventory of spills and leaks, both active and inactive reported to regulatory authorities. They include stationary and non-stationary source spills reported to state and federal agencies, including remediated and contaminated leaking UST sites. The Spills list is a compilation of data collected on spills and reported to the NYSDEC pursuant to either Article 12 of the Navigation Law, or 6 NYCRR Section 595.2.

**Analysis/Comment:** The CER identified 89 LUST/Spill sites within the prescribed search distance. Of these 89 sites, all but one are i.) located over one-eighth mile away from the Subject, and based on the general non-sensitivity of the urban setting of the Subject, are not considered to represent a significant environmental concern; and/or ii.) have been granted a “Case Closed” status by the NYSDEC. This classification is granted to those sites that have been remediated to the satisfaction of the NYSDEC or are not suspected to pose a significant threat to human health or the environment. As such, IVI does not suspect that these sites have had a negative environmental impact upon the Subject. The one remaining open site is discussed below.

Property Name/ Address	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Warehouse 211-217 Cook Street	0.048	North	Downgradient	Active

According to the CER, Spill 0809116 was assigned on November 12, 2008 when contaminated soils were identified during a Phase II environmental assessment. A Remedial Action Plan was received by the NYSDEC, however no additional assessments have occurred. Notwithstanding this site is located hydrogeologically

downgradient from the Subject and groundwater flow across this facility is not suspected to be in the direction of the Subject. As such, IVI does not suspect this site of having had a significant negative environmental impact on the Subject.

### **New York and Tribal Institutional Control/Engineering Control Registries**

According to the NYSDEC website, Institutional Controls shall mean any non-physical means of enforcing a restriction on the use of real property that limits human or environmental exposure, restricts the use of groundwater, provides notice to potential owners, operators, or members of the public, or prevents actions that would interfere with the effectiveness of a remedial program or with the effectiveness and/or integrity of operation, maintenance, or monitoring activities at or pertaining to a brownfield site.

Engineering Control shall mean any physical barrier or method employed to actively or passively contain, stabilize, or monitor hazardous waste or petroleum, restrict the movement of hazardous waste or petroleum to ensure the long-term effectiveness of a remedial program, or eliminate potential exposure pathways to hazardous waste or petroleum. Engineering controls include, but are not limited to, pavement, caps, covers, subsurface barriers, vapor barriers, slurry walls, building ventilation systems, fences, access controls, provision of alternative water supplies via connection to an existing public water supply, adding treatment technologies to such water supplies, and installing filtration devices on private water supplies.

- If an IC/EC is used as a component of a site cleanup plan, the Remedial Work Plan must include: a complete description of the IC/ECs and the mechanisms that will be used to implement, maintain, monitor, and enforce such restrictions and controls, both by the applicant and by any state and local government, and an evaluation of the reliability, viability, and costs of the long-term implementation, maintenance, monitoring, and enforcement of any IC/EC.
- Financial assurance for the long-term maintenance, monitoring, and enforcement of IC/ECs may be required.
- Any EC must be used in conjunction with an IC.
- The final remediation report must include a certification that any IC/ECs are included in an environmental easement that has been duly recorded.
- An annual certification that the IC/ECs are in place and protective of public health and the environment must be submitted to the NYSDEC.
- The NYSDEC must create, update, and maintain a data base available to the public of sites using IC/ECs.
- Any proposal for a change in site use must include an evaluation of the impacts of the change on the viability, reliability, and effectiveness of any IC/ECs.

*Analysis/Comment:* The CER did not identify the Subject on the New York and Tribal Institutional or Engineering Control registries.

### **New York and Tribal Voluntary Cleanup Program Sites**

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. New York's Voluntary Cleanup Program is a cooperative approach among the NYSDEC, lenders, developers and prospective purchasers to investigate and/or remediate contaminated sites. Under the VCP, a volunteer performs remedial activities pursuant to one or more NYSDEC approved work plans. The volunteer agrees to remediate the site to a level which is protective of public health and the environment for the present or intended use of the property. Investigation and remediation is carried out under the oversight of the NYSDEC and the New York State Department of Health (DOH) and the volunteer pays the State's oversight costs. When the volunteer completes work, a release from liability from the NYSDEC is provided with standard reservations. Once the required remedial actions have been completed, the NYSDEC issues a letter declaring that it agrees that the volunteer has met their obligations and that, barring an event triggering a reopener, the Department does not contemplate further action will need to be taken at the site. Non-PRP volunteers also receive a release that covers natural resource damages. All of the volunteer's successors and assigns (except the site's PRPs) benefit from the release given to the volunteer. The NYSDEC's release binds only itself, and does not bind private parties harmed, does not bind the State's Attorney General, the State's Comptroller, and does not bind the USEPA.

The Release is subject to the following reservations for further investigation or remediation the NYSDEC deems necessary due to:

- Off-site migration of contamination causing significant impacts if the Volunteer is a PRP;
- Environmental conditions or information related to the Site that were unknown when the Release was issued and that indicate that site conditions under the Contemplated Use are not sufficiently protective of human health and the environment;
- Failure to comply with the VCA (e.g., not completing OM&M, not paying State costs, not maintaining use restrictions, etc.);
- Fraud committed by the Volunteer in entering into or implementing the VCA;
- A release, discharge or threat thereof after the effective date of the VCA; or
- A change of use where the new use requires a lower level of residual contamination.

*Analysis/Comment:* The CER identified the following VCP sites within the ASMD:

Property Name/ Address	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
Popular Uniform 88 Ingraham Street	0.374	NNE	Crossgradient	Active
Cornish Knit Goods 121 Ingraham St	0.434	NE	Crossgradient	Completed

These sites are located a sufficient distance from the Subject so as not to be reasonably suspect of having impacted same. In addition, these sites are located hydrogeologically crossgradient from the Subject and groundwater flow across these sites is not suspected to be in the direction of the Subject. As such, IVI does not suspect these sites of having had a significant negative environmental impact on the Subject.

### New York and Tribal Brownfield Sites

According to the NYSDEC website, brownfields are abandoned, idled, or under-used properties where expansion or redevelopment is complicated by real or perceived environmental contamination. They typically are former industrial or commercial properties where operations may have resulted in environmental contamination. Brownfields often pose not only environmental, but legal and financial burdens on communities. The impediments to contaminated site redevelopment in New York are complex. The existing liability scheme may hold all owners of contaminated property liable for cleanup costs, regardless of when or how the property was acquired. The potential cost of cleanup, which may not be known for certain at the time of purchase, is also a deterrent to parties wishing to build, relocate, or expand businesses. Lenders have been reluctant to extend credit for the purchase and cleanup of contaminated sites, fearing future liability issues.

A Brownfield Cleanup Agreement (BCA) is required for all parties who wish to participate in the Brownfield Cleanup Program. By executing a BCA, an Applicant makes a commitment to undertake certain remedial activities under the NYSDEC's oversight.

**Analysis/Comment:** The CER identified the following Brownfield sites within a one-half mile radius of the Subject.

Property Name/ Address	Distance (Miles)	Direction	Presumed Hydrogeologic Relationship	Regulatory Status
353 McKibbin St	0.246	North	Downgradient	Active
2 Ingraham St	0.283	North	Downgradient	Active

These sites are located a sufficient distance from the Subject so as not to be reasonably suspect of having impacted same. In addition, these sites are located hydrogeologically downgradient from the Subject and groundwater flow across these sites is not suspected to be in the direction of the Subject. As such, IVI does not suspect these sites of having had a significant negative environmental impact on the Subject.

### **New York City Building Information System**

The City Environmental Quality Review (CEQR) designation “E” on New York City Zoning Maps indicates that environmental requirements pertaining to potential hazardous material contamination or noise or air quality impacts have been established on one or more tax lots. These “E” designations function as indicators of the environmental review that must be conducted when the lots are developed in accordance with the regulations of the rezoned district.

New York City Zoning Resolution § 11-15 provides that the New York City Department of Buildings (NYCDOB) may not issue a building permit for work on a tax lot labeled with an “E” due to potential hazardous material contamination, if the building permit would allow: (1) a development; (2) an enlargement, extension or change of use involving a residential or community facility use; or (3) an enlargement that disturbs the soil. The NYCDOB identifies haz-mat “E” lots on its Building Information System (“BIS”).

An “E” designation for potential hazardous material contamination may be satisfied and removed from a zoning map following receipt of a report from the NYC Office of Environmental Remediation (OER) stating that the environmental requirements for the lot have been met. These requirements may include subsurface investigations and/or remediation of contamination to the satisfaction of the OER.

**Analysis/Comments:** Based on our review of the NYCDOB BIS and New York City Zoning Maps an “E” designation has not been declared on the Subject.

## **6.3 EDR Proprietary Databases**

### **EDR Manufactured Gas Plants**

This database includes records of coal gas plants (manufactured gas plants) compiled by EDR’s researchers. Manufactured gas sites were used in the United States from the 1800’s to the 1950’s to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of wastes. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially

hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

*Analysis/Comment:* The CER did not identify the Subject or any adjacent properties on the manufactured gas plant database.

**7.1 Chemical Storage and Usage**

The automotive repair area within the AMR tenant space stores bulk chemicals and lubricants associated with the vehicular maintenance activities. IVI observed various sized chemicals for automotive maintenance and construction. These chemicals included antifreeze, engine cleaners, brake fluid, transmission fluid, parts degreasers, concentrated detergents, concrete mixtures, caulking and mastic, grouts, adhesives, paints and primers, gasoline, kerosene, motor oil, cleaners, etc. The containers range in size from under 12 ounces to 55 gallon drums. In addition, IVI observed various janitorial cleaning chemicals. Housekeeping was generally considered satisfactory and typical for this type of facility. The above-listed containers were undamaged and capped; however, several areas of stained concrete were observed. Notwithstanding, this staining was *de minimis* in nature and evidence of catastrophic spills were not observed. Floor drains were observed within the warehouse/distribution building, which reportedly discharge to the municipal sewer system; however, other conduits to the subsurface were not observed. The chemicals, which are stored in their original containers, do not appear to represent an impact to the environmental quality of the site provided that they are used as intended, properly handled, and the regulations pertaining to their usage are followed. However, housekeeping should be improved throughout the facility to prevent staining or spills.

**7.2 Bulk Storage Tanks****Underground Storage Tanks (USTs)**

No USTs were identified on the subject property and no common indicators of USTs such as vent pipes, fill ports, manways, pavement cuts, fuel gauges or dispensers were observed. In addition, according to Aaron Klein, the Property Manager, there are no USTs on-site. Furthermore, the Subject site was not identified on the New York list of registered UST facilities.

According to permits reviewed from the NYCDOB BIS Website, several of the parcels of the Subject were issued oil burner applications. More specifically, Block 3139 Lots 19, 20, 32, and 36 and Block 3141 Lots 1, 6, 10, 15 and 21 were issued oil burner applications. In addition, according to the 1933 Sanborn Map, Block 3141 Lots 1 and 15 were noted to have gasoline tanks on site. In addition, based on our review of New York City Building Department records conducted during the 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels since, there is a potential that USTs remain and the subsurface may have been impacted by these past uses.

**Aboveground Storage Tanks (ASTs)**

ASTs per the following schedule were observed:

Location	Capacity (Gallons)	Product	Visible Condition	Secondary Containment
OEM Space	250	Diesel	Satisfactory	No
OEM Space	55	Gasoline	Satisfactory	No
AMR Space	250	Motor Oil	Satisfactory	No
AMR Space	250	Waste Oil	Satisfactory	No
Block 3139 Lots 27- 35	4,000 (21)	No 2 Fuel Oil (Reportedly Empty)	Satisfactory	No

Waste Oil generated by AMR, is stored on-site in a 250 gallon AST. Virgin Motor Oil is stored on site in a 250 gallon AST. According to an occupant of the space, the waste oil is removed by Safety Kleen, a certified waste oil hauler.

The OEM space contains a 250 gallon diesel AST and a 55-gallon gasoline AST.

Block 3139 Lots 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 is utilized for the storage of mobile fuel oil ASTs and boiler equipment. IVI observed 21 mobile boiler and AST storage trailers. Of importance, all of the ASTs were reportedly empty.

Of importance, no evidence of leakage or staining was observed on or around the ASTs. As such, IVI has no concerns pertaining to these tanks at this time.

**7.3 Site Waste and Wastewater****Solid Waste**

Non-hazardous solid waste is disposed of in dumpsters and is removed from the Subject on a regular basis by the municipality. Potential sources of contamination, such as waste oil or automobile batteries, were not observed in the vicinity of the dumpsters.

**Sanitary Sewage**

Sanitary sewage disposal is provided by the NYCDEP. IVI did not observe any sources of wastewater or liquid discharge into the sewer other than sanitary sewage. Of note, car washing activities occur in the AMR space.

**Hazardous & Petroleum Waste**

Hazardous and petroleum waste streams per the following schedule are generated on the subject site:

Generator	Location	Generated Waste	Quantity (Gallons)	Storage Conditions	Disposal Entity
American Medical Response (AMR)	Second Floor	Waste Oil	250	Satisfactory	Safety Kleen

Waste oil is generated at the AMR tenant space. The waste oil is stored in an approximately 250-gallon AST and is transferred there from drip pans and steel drums used to collect the oil from serviced vehicles. The AST appeared to be in good condition, void of obvious leaks or spills. Safety Kleen picks up the waste oil on an as needed basis. In addition, waste antifreeze and oil filters are stored in 55-gallon steel drums prior to their disposal by Safety Kleen. The waste storage conditions were considered satisfactory and typical. Nevertheless, housekeeping could be improved. Based upon our observations the current operations at this facility do not appear to have significantly degraded the environmental quality of the Subject.

In addition, light vehicle maintenance occurs on Block 3139 Lots 18, 19, 20, 21, 26, 25, 24, and 23. Waste oil is stored in 55 gallon drums and is picked up on an as needed basis by Royal Waste Services Inc. The waste storage conditions were considered satisfactory and typical. Nevertheless, housekeeping could be improved. Based upon our observations, the current operations at this Block do not appear to have significant degraded the environmental quality of the Subject.

**7.4 Stained Soil, Stained Pavement, or Stressed Vegetation**

IVI did not observe stained soil or stressed vegetation along the exterior of the warehouse/distribution building; however, several areas of petroleum staining were observed on the concrete slab-on-grade floor on the interior of the building. The staining appears to be associated with small leaks from the stored equipment/vehicles. IVI observed floor drains in the storage spaces which are reportedly connected to the municipal sewer system; however, no sumps, cracks in the concrete slab, drywells, or other conduits to the subsurface were identified. Notwithstanding, housekeeping should be improved throughout the facility to prevent staining or spills.

IVI also observed a petroleum stain in the building of Block 3141, Lot 8 on the slab on grade floor on the interior of the building. Of importance, IVI did not observe any floor drains in vicinity of the petroleum staining, nor did IVI observe any sumps, cracks, drywells or other conduits to the subsurface in this space.

**7.5 Liquid Discharges**

No visible evidence of liquid discharges, suspected to represent an environmental concern were observed during our survey.

**7.6 Pools of Liquid**

IVI did not observe significant standing surface water or pools containing liquids likely to be hazardous substances or petroleum products.

**7.7 Pits, Ponds, or Lagoons**

No pits, ponds or lagoons suspected of containing hazardous substances or petroleum products were identified on-site.

**7.8 Wells**

IVI did not identify on-site dry wells, irrigation wells, injection wells, observation wells, monitoring wells, potable water wells, recovery wells or abandoned wells.

**7.9 On-Site Fill**

Based on our observations, other than typical engineered fill used in foundation construction, it does not appear that a significant amount of fill has been imported onto the Subject.

**7.10 Drums and Containers for Storing Waste**

Wastes containers for storing wastes generated as part of auto service operations as summarized within Section 7.3 were identified.

**7.11 Floor Drains and Sumps**

IVI did not identify any floor drains or sumps that were stained, emitting foul odors, or connected to an on-site sewage disposal system, or located adjacent to chemical storage areas.

**7.12 Odors**

IVI did not identify strong, pungent, or noxious odors suspected to represent an environmental concern.

**7.13 Air Emissions**

IVI did not identify processes or equipment that emit noticeable vapors or fumes.

**7.14 Polychlorinated Biphenyls (PCBs)****Hydraulic Elevators**

A hydraulic freight elevator provides vertical transportation for the AMR and OEM tenant spaces at Block 3140, Lot 1. Since PCB-containing hydraulic fluid has not been manufactured since 1979; based on the age of the improvements, PCB-contaminated hydraulic fluid is not likely to be found in the hydraulic elevator operating systems. No significant staining or pools of hydraulic fluid were observed in the elevator pit.

**Hydraulic Lifts**

There are aboveground hydraulic lifts at the AMR tenant space associated with the auto repairs and maintenance on the ambulance fleet. Inasmuch as the lifts were installed subsequent to the 1979 ban on the manufacturing of PCBs, it is unlikely that the hydraulic fluid contains PCBs. Since the lifts are aboveground units and no significant leakage was identified in connection with same, these lifts represent no significant concern at this time.

**Electrical Switch Gear**

The warehouse/distribution building is served by electrical switch gear located in the electrical equipment room. Voltage regulators and electrical switches are used to control, transmit and distribute electric power efficiently. Although most of this type of equipment is mineral oil-filled and was not designed to contain PCBs, dielectric fluid in them may have become contaminated with PCBs through past maintenance and servicing activities. In addition, voltage regulators are particularly susceptible to PCB contamination as they often contain a small PCB starter capacitor that easily contaminates the regulator's mineral oil dielectric fluid if it ruptures or leaks. Notwithstanding, PCB and PCB-contaminated switches and voltage regulators may be used for the entirety of their useful lives. Based on the foregoing and since no stains suspected to represent a release of dielectric fluid were observed in the vicinity of the equipment, IVI has no concerns regarding the Subject's electrical switch gear.

**Underground Sidewalk Vaulted Transformers**

IVI observed underground sidewalk vaults constructed at the Subject's street perimeters, which contain electrical transformers. Based on the age of the improvements, it is unlikely that the transformers, which were vaulted, contain PCBs. In accordance with *Title 40—Protection of Environment, Chapter 1—Environmental Protection Agency, Subchapter R—Toxic Substance Control Act (TSCA), Part 761—Polychlorinated Biphenyls (PCBs), Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*, the owner of the transformers, Con Ed is responsible for the transformers' maintenance and remediation in the event of a leak.

**7.15 Asbestos-Containing Material (ACM)**

IVI did not observe friable materials likely to contain asbestos located in the warehouse/distribution structure located on Block 3140, Lot 1. However, although unlikely based on the age of the improvements, the non-friable resilient floor finishes, wallboard assemblies, caulking, mastics, and roofing materials may contain asbestos. These materials were in good condition at the time of our site visit. No suspect ACMs were observed at the structure located on Block 3141, Lot 8.

**7.16 Lead-in-Drinking Water**

The warehouse/distribution building was constructed after the 1986 ban on lead containing solder used to sweat copper drinking water piping. As a result, it is unlikely that the site's plumbing system leaches lead in to the drinking water. Moreover, according to the local water utility, the water supplied to the Subject is within federal, state, and local water quality standards.

**7.17 Radon**

Based on statistical information maintained within the New York State Department of Health (NYSDOH)'s *Short Term Basement Radon Measurements by Town*, dated October 2011, radon concentrations in Kings County, New York average 1.93 picocuries per liter (pCi/L), which is below the 4.0 pCi/L action level established by the USEPA. Based solely on this data, it is unlikely that radon represents an environmental concern at this time.

**7.18 Lead-Based Paint (LBP)**

Since the warehouse/distribution structure was constructed after the Consumer Product Safety Commission's 1978 ban on the sale of LBP to consumers and the use of LBP in residences, it is unlikely that LBP exists in locations and quantities suspected to represent an environmental concern.

**7.19 Microbial Growth**

Although microbial growth is ubiquitous and may occur in a very short time span, an effort was made to identify conspicuous growth in the common areas surveyed. A leak in the ceiling of the parts storage room at the warehouse/distribution building was observed during our visit with a very small area of microbial growth on the wall. The leak is old and was reportedly due to a clogged RTU condensate drain that has since been repaired. Interior finishes are reportedly the responsibility of the tenant. In addition water infiltration from the roof into the GOFFA tenant space was observed in the area of the recent fire.

**8.1 Questionnaires**

IVI sent a Pre-Survey Questionnaire and an AAI User Questionnaire to the site contact and the User, respectively. The purpose of these questionnaires was to disclose any previous or existing hazardous waste or toxic material conditions, which may not have been apparent at the time of our site reconnaissance and to satisfy the User interview all appropriate inquiry requirements.

As of this writing, neither the site contact nor the User have returned the completed questionnaires. IVI recommends that copies of the completed questionnaires be obtained.

**8.2 User****8.2.1 Title Records**

A copy of the Subject's Chain-of-Title has not been provided to IVI for review.

**8.2.2 Environmental Clean Up Liens and Activity and Use Limitations (AULs)**

The User has not returned the AAI User Questionnaire.

**8.2.3 Specialized Knowledge**

The User has not returned the AAI User Questionnaire.

**8.2.4 Relationship of Purchase Price to Fair Market Value Due to Contamination in Connection with the Subject**

The User has not returned the AAI User Questionnaire.

**8.2.5 Common Knowledge or Reasonably Ascertainable Information**

The User has not returned the AAI User Questionnaire.

**8.2.6 Purpose for Conducting the Phase I Environmental Site Assessment**

The User has not returned the AAI User Questionnaire.

**8.2.7 Proceedings Involving the Property**

The User has not returned the AAI User Questionnaire.

**8.3 Key Site Manager****8.3.1 Historic Site Use**

According to Aaron Klein, the Property Manager, who has been involved with the property since 2003, he was unaware of the Subject's improvements prior to the construction of the existing improvements

**8.3.2 Proceedings Involving the Property**

Mr. Klein had no knowledge of pending, threatened, or past litigation, administrative proceedings, or notices from governmental agencies regarding violations of environmental laws regarding hazardous substances or petroleum products.

**8.4 Occupants**

Building occupants were not available for interviews.

**8.5 Past Owners**

IVI was unable to locate the site's former owner.

**8.6 Local Regulatory Agency Interviews and/or File Reviews****Health Department**

IVI has sent a request to the New York City Department of Health for environmental information pertaining to the Subject property. As of this writing, the Department of Health has not responded to our request. Should receipt of a response from the Department of Health change the conclusions of this report, the Client will be notified in writing by IVI.

**Department of Environmental Conservation**

IVI has sent a request to the New York Department of Environmental Conservation (NYSDEC) for environmental information pertaining to the Subject property. As of this writing, the NYSDEC has not responded to our request. Should receipt of a response from the NYSDEC change the conclusions of this report, the Client will be notified in writing by IVI.

**Department of Environmental Protection**

IVI has sent a request to the New York City Department of Environmental Protection (NYCDEP) for environmental information pertaining to the Subject property. As of this writing, the NYCDEP has not responded to our request.

Should receipt of a response from the NYCDEP change the conclusions of this report, the Client will be notified in writing by IVI.

### **Building Department**

IVI reviewed building permits and records for the Subject at the NYCDOB. Please refer to section 5.9 for further discussion of the same.

### **Tax Assessor Records**

According to the tax assessor records reviewed at the NYCDOB, the Subject is identified on the City of New York Tax Maps as Block 3140 Lots 1 (930 Flushing Ave) and 50, Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66, Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36, Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36. The parcels total approximately 8.8-acres in size.

IVI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-05 of the property identified as 930 Flushing Avenue, located at Block 3140 Lots 1 and 50, Block 3152, Lots 1, 2, 45, 48, 56, 58, 62, 63, 64, and 66, Block 3141 Lots 1, 5, 6, 7, 8, 10, 11, 12, 14, 15, 18, 20, 21, 22, 23, and 36, Block 3139 Lots 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36, in Brooklyn, New York (the "Subject"). The scope of this assessment includes the warehouse/industrial building at 930 Flushing and several vacant and occupied lots in the vicinity of the area. Any exceptions to, or deletions from, the standard practice are described within Section 2.0 of this report.

This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Subject except for the following:

### **Historical Site and Surrounding Property Usage**

Prior to the existing improvements, the lots on Block 3139 were improved with several residential and retail structures including a bakery and printing and office supplies facility. Prior to the construction of its existing warehouse improvements in 1987, Block 3140, Lot 1 was improved with structures associated with the original Liebermann & Sons Brewing companies, which was later identified as Rheingold Breweries, Inc. Lots associated with Block 3141 were previously improved with apartment buildings, parking garages, a gasoline service station, lofts, several retail structures, a printing facility, and manufacturing facilities, including an iron and paper products manufacturing facility. Prior to its existing improvements, the lots associated with Block 3152 were improved with a toiletries manufacturing facility, garage, paint storage building, carriage house, stables, soda and water bottling facility, and residential buildings.

Of importance, portions of the Subject have historically been improved with manufacturing facilities, a printing facility, a gasoline station, and parking garages with associated gasoline tanks. More specifically, from at least 1933 up until sometime during or prior to 1951, the parking garage located on Block 3141, Lot 1 and Block 3141, Lot 15 were identified as maintaining a gasoline tank on-site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels, there is a potential that underground storage tanks (USTs) remain, which may have impacted the subsurface. IVI also observed a petroleum stain on the slab on grade floor of the interior of the vacant building of Block 3141, Lot 8. We have no knowledge as to the activities that were previously conducted in this building, however based on the observed petroleum staining, there is the possibility for auto repair to have previously been conducted in this space. Furthermore, manufacturing facilities and auto repair facilities have historically and currently been identified on properties adjacent and surrounding the Subject. Based on the above, there is the potential that historical site and current site area usage may have impacted the Subject. However, the Subject, as well as the adjacent and surrounding facilities were not listed on any regulatory databases indicative of an existing contamination condition. Groundwater

in the area is not utilized as a potable water source and is presumed to be degraded to below drinking water standards, which would further decrease the potential for exposure to contamination, should any exist. Moreover, there have been no reported chemical odors or reports of health problems associated with vapors at the Subject. IVI recommends that care be taken during any excavation/redevelopment activities and that any impacted soils identified at the time be properly removed in accordance with governmental regulations.

#### **Underground Storage Tanks (USTs)**

No USTs were identified on the subject property and no common indicators of USTs such as vent pipes, fill ports, manways, pavement cuts, fuel gauges or dispensers were observed. In addition, according to Aaron Klein, the Property Manager, there are no USTs on-site. Furthermore, the Subject site was not identified on the New York list of registered UST facilities.

According to permits reviewed from the NYCDOB BIS Website, several of the now vacant parcels of the Subject were issued oil burner applications. More specifically Block 3139 Lots 19, 20, 32, and 36 and Block 3141 Lots 1, 6, 10, 15 and 21 were issued oil burner applications. In addition, according to the 1933 Sanborn Map, Block 3141 Lots 1 and 15 were noted to have gasoline tanks on site. In addition, based on our review of New York City Building Department records conducted during our 2005 assessment, a gasoline station existed at Block 3141, Lots 21 and 22. A demolition permit was granted for this address in 1951. Inasmuch as no excavations for redevelopment appear to have been conducted on these parcels since, there is a potential that USTs remain and the subsurface may have been impacted. IVI recommends that care be taken during redevelopment activities and that any encountered petroleum bulk storage tanks be removed in accordance with governmental regulations. Furthermore, any impacted soils associated with any encountered petroleum storage tanks should be properly removed in accordance with governmental regulations.

In addition the following items of environmental concern were identified, which warrant mention.

#### **Current Operations**

Auto repairs and maintenance on the ambulance fleet are conducted within the American Medical Response (AMR) tenant space located on Block 3140, Lot 1. Various wastes to include waste oil, waste oil filters, brake fluid, antifreeze, tires, and used auto parts are generated as part of AMR's operations. The waste storage conditions were considered satisfactory and typical. No evidence of dumping, or catastrophic spills were observed. Nevertheless, housekeeping could be improved. In addition, light vehicle maintenance occurs on Block 3139 Lots 18, 19, 20, 21, 26, 25, 24, and 23. Waste oil is stored in 55 gallon drums and is picked up on an as needed basis by Royal Waste Services Inc. The waste storage conditions were considered satisfactory and typical. Nevertheless,

housekeeping could be improved. Based upon our observations, the current operations do not appear to have significantly degraded the environmental quality of the Subject. As such, it does not appear as though these existing operations have degraded the environmental quality of the Subject and no further action with respect to same is currently recommended.

**Asbestos-Containing Materials (ACM)**

IVI did not observe friable materials likely to contain asbestos located in the warehouse/distribution structure located on Block 3140, Lot 1. However, although unlikely, based on the age of the improvements, the non-friable resilient floor finishes, wallboard assemblies, caulking, mastics, and roofing materials may contain asbestos. These materials were in good condition at the time of our site visit. No suspect ACMs were observed at the structure located on Block 3141, Lot 8. In the event that building maintenance, renovation, or demolition activities require the removal or disturbance of the suspect ACM, IVI recommends that they be characterized for asbestos by a material specific reliable method for detecting asbestos. All activities involving ACM should be conducted in accordance with governmental regulations.

**Microbial Growth**

Although microbial growth is ubiquitous and may occur in a very short time span, an effort was made to identify conspicuous growth in the common areas surveyed. A leak in the ceiling of the parts storage room at the warehouse/distribution building was observed during our visit with a very small area of microbial growth on the wall. The leak is old and was reportedly due to a clogged RTU condensate drain that has since been repaired. Interior finishes are reportedly the responsibility of the tenant. In addition water infiltration from the roof into the GOFFA tenant space was observed in the area of the recent fire. No further action is recommended at this time other than cleaning the wall area exhibiting microbial growth.

- 10.1** This report has been prepared in compliance with the ASTM standard entitled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” E1527-05.
- 10.2** The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services within the constraints imposed by the client. The work described in this report was carried out in accordance with the Terms and Conditions of the contract.
- 10.3** In preparing this report, IVI has relied on certain information provided by federal, state, and local officials and other parties referenced therein, and on information contained in the files of governmental agencies, that were readily available to IVI at the time of this assessment. Although there may have been some degree of overlap in the information provided by these various sources, IVI did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment. Observations were made of the site and of the structures on the site as indicated in this report. Where access to portions of the site or to structures on the site was unavailable or limited, IVI renders no opinion as to the presence of direct or indirect evidence relating to petroleum substances, hazardous substances, or both, in that portion of the site and structure. In addition, IVI renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the ground surface, interior walls, floors, ceiling or a structure is obstructed by objects or materials, including snow, covering on or over these surfaces.
- 10.4** As part of this assessment, IVI submitted requests for information via the Freedom of Information Act (FOIA) to various governmental agencies. As of the preparation of this report these requests may not have been fulfilled. The conclusions of this report are subject to change upon receipt of a response from these FOIA requests.
- 10.5** IVI does not represent that the site referred to herein contains no petroleum or hazardous or toxic substances or other conditions beyond those observed by IVI during the site walkthrough.
- 10.6** IVI has produced this document under an agreement between IVI and Arbor Realty Trust. All terms and conditions of that agreement are included within this document by reference. Any reliance upon this document, or upon IVI’s performance of services in preparing this document, is conditioned upon the relying party’s acceptance and acknowledgement of the limitations, qualifications, terms, conditions and indemnities set forth in that agreement, and property ownership/management disclosure limitations, if any. It is not to be relied upon by any party other than Arbor Realty Trust nor used for any purpose other than that specifically stated in our Agreement or within this Report’s Introduction section without IVI’s advance and express written consent. The Phase I report is only valid if completed within 180 days of an acquisition or the transaction necessitating the report.
- 10.7 TIME LIMITATION TO ENACT CLAIM AGAINST IVI** If in the opinion of the client, or any third party claiming reliance on IVI’s report or services, that IVI was negligent or in breach of contract, such aforementioned parties shall have one year from the date of IVI’s site visit to make a claim.
- 10.8** Unless specifically identified within Section 2, Chinese drywall, indoor air quality and any other non-ASTM scope issues as identified in ASTM E1527-05, Section 13.1.5, are excluded from the scope of this assessment.

January 18, 2015

Charles Krieger  
The Rabsky Group  
505 Flushing Avenue  
Brooklyn, NY, 11205

Re: **Phase II Subsurface Investigation Report**  
**1-37 Forrest Street, Brooklyn, NY**  
**Block 3141 Lots 1, 5-8, 10-2, 14, 15, 18, 20-23, 36**

Dear Mr. Krieger:

Environmental Business Consultants (EBC) performed a Phase II Subsurface Investigation at the above referenced Site on February 26, 2014 (SB1-SB9) and December 12, 2014 (SB10, SB11). The Phase II Subsurface Investigation was performed across Block 3141 to determine if the subsurface soil, groundwater, and/or soil gas at the Site had been negatively impacted by historic uses of the Site.

### **Property Description**

The Site consists of 16 adjacent lots located in the Bushwick Section of the Borough of Brooklyn, City of New York, Kings County, New York. The street addresses associated with the Site are 1 to 37 Forrest Street, 2 to 36 Montieth Street, 479 to 499 Bushwick Avenue and 81 to 97 Stanwix Street, Brooklyn, New York 11206. The Site is identified as Block 3141, Lots 1, 5-8, 10-12, 14, 15, 18, 20-23, and 36 on the New York City (NYC) Tax Map. Combined, the 16 adjacent lots comprising the Site consist of 423.25 feet of street frontage on Forrest Street, 200.06 feet of street frontage on Stanwix Street, 419.25 feet of street frontage on Montieth and 200.04 feet of street frontage along Evergreen Avenue for a total of approximately 62,352 square feet (s.f.).

The majority of the Site is undeveloped and uncapped. However, a small abandoned one story commercial building is constructed on Lot 18, and the eastern end of the Site is paved with asphalt and used for parking. The perimeter of the Site is surrounded by an 8ft high fence.

### **Subsurface Investigation**

The majority of the field work portion of the Phase II Subsurface Investigation was performed on February 26, 2014. The field work consisted of the installation of nine soil borings (SB1-SB9) to collect 18 soil samples, the installation of six temporary groundwater monitoring wells (MW1-MW6) to collect to five groundwater samples (MW1, MW2, MW4, MW5, MW6), and the installation of seven soil vapor implants (SG1-SG7) to collect six soil vapor samples (SG1, SG2, SG4-SG7). Five of the six temporary monitoring wells were sampled on March 27, 2014, and the six of the seven soil vapor implants were sampled on April 24, 2014.

Two additional soil borings (SB10, SB11) were performed on December 12, 2014, to collect four additional soil samples.

### *Soil Borings*

Eleven soil borings (SB1-SB11) were performed at the Site in the approximate locations shown on **Figure 2**.

All eleven soil borings were advanced with Geoprobe™ direct push equipment and sampled with a 5 foot macro core sampler using disposable acetate liners. Retrieved sample cores were characterized by an Environmental Professional and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID).

Soil characterized as a brown sandy historic fill material was encountered across the majority of the Site to a depth of approximately 5 to 6 feet below grade, but was found in some areas to extend to a depth as great as 15 feet below grade (SB3 and SB11). The historic fill material layer was underlain by a native brown silty-sand. No physical or olfactory evidence of contamination was encountered within any of the soil borings. Therefore, in accordance with sampling requirements typically required by the New York City Office of Environmental Remediation (NYC OER) for properties with an E-designation, EBC retained two soil samples for laboratory analysis from each of the 11 soil borings. One soil sample was retained from each of the soil borings from the interval 0-2 feet below grade, and one soil sample was retained from the 2ft interval below the proposed excavation depth for the new building (13-15 feet below grade). Soil boring logs are included in **Appendix A**.

#### *Groundwater*

EBC installed six monitoring wells (MW1-MW6) to a depth of 50 feet below grade in February 2014. All six 1-inch diameter PVC monitoring wells were installed using Geoprobe™ direct push equipment. Groundwater samples were collected from monitoring wells MW1, MW2, MW4, MW5 and MW6 on March 27, 2014, utilizing dedicated polyethylene tubing fitted with a stainless steel check valve. The location of each of the monitoring wells is shown on **Figure 2**. Monitoring well MW3 was destroyed by a truck, and was therefore not sampled.

#### *Soil Vapor*

Seven soil vapor implants (SG1-SG7) were installed using Geoprobe™ equipment and tooling at the locations shown on **Figure 2**. The seven soil vapor implants that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The implants were installed to a depth of 13 feet below grade at all locations. Each implant 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 implant 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. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. Soil vapor implant SG3 was also damaged by a truck prior to sampling, and was therefore not sampled.

#### *Sample Handling and Analysis*

Collected samples were appropriately packaged, placed in coolers and shipped via laboratory dispatched courier for delivery 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). Each soil and groundwater sample was analyzed for volatile organic compounds (VOCs) by USEPA method 8260, semi-volatile organic compounds (SVOCs) by USEPA method 8270 (CP51 List), TAL Metals by USEPA method 6010 (total and dissolved for groundwater samples), pesticides by USEPA method 8081, and PCBs by USEPA method 8082. The six soil vapor samples were analyzed for VOCs by USEPA method TO-15.

## Results

### Soil

Soil sample results are compared to compared to NYSDEC Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use on **Tables 1-4**. A copy of the laboratory analytical report is included in **Appendix A**.

No VOCs were detected in any of the soil samples at a concentration above Unrestricted Use SCOs. However, the chlorinated VOC tetrachloroethene (PCE) (maximum of 95 ppb) was detected in several soil samples at a concentration well below Unrestricted Use SCOs, and the chlorinated VOC trichloroethylene (TCE) (2 ppb) was detected in one soil sample at a concentration below Unrestricted Use SCOs.

SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above Unrestricted Use SCOs and/or Restricted Residential Use SCOs within 9 of the 11 shallow soil samples retained from the historic fill layer. SVOCs were not detected above Unrestricted Use SCOs within any of the deeper soil samples collected at the Site, with the exception of soil sample SB3(13-15). The elevated SVOC concentrations within soil sample SB3(13-15) are likely attributed to the historic fill material encountered within soil boring SB3 to a depth of 15 feet below grade.

No PCBs were detected in any of the soil samples, with the exception of PCB-1254 which was detected in soil samples SB3(0-2) (280 ppb) and SB11(0-2) (440 ppb) at a concentration above Unrestricted Use SCOs. The pesticides 4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected above Unrestricted Use SCOs within 5 of the 11 shallow soil samples retained from the historic fill layer. No pesticides or PCBs were detected within any of the deeper soil samples collected at the Site.

The metals arsenic, cadmium and lead were detected at above Restricted Residential Use SCOs in several of the soil samples collected from the historic fill material layer. The metals arsenic, barium, chromium, lead, mercury and zinc were detected above Unrestricted Use SCOs within nearly every sample collected from the historic fill material layer.

### Groundwater

Groundwater results are summarized and compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water) on **Tables 6 - 9**. A copy of the laboratory analytical report is provided in **Appendix B**.

No pesticides or PCBs were detected within the five groundwater samples collected at the Site. Chlorinated VOCs, including 1,1,1-trichloroethane (max of 2.1 µg/L), 1,1-dichloroethane (2 µg/L), 1,1-dichloroethene (2.1 µg/L), chloroform (max of 1.1 µg/L), cis-1,2-dichloroethene (max of 2.8 µg/L), tetrachloroethene (max of 11 µg/L), trans-1,2-dichloroethene (0.39 µg/L) and trichloroethene (max of 9.8 µg/L), were detected within the four of the five groundwater samples. The trichloroethene (TCE) and tetrachloroethene (PCE) concentrations were above GQS.

Several SVOCs including, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above GQS within the groundwater samples. The dissolved concentration of the metals iron, magnesium, manganese, selenium and sodium were detected above GQS in the groundwater samples. The presence of some of these metals in groundwater, specifically those that are common salinity indicators, can be attributed to the proximity to the East River and the intrusion of road salting.

### Soil Vapor

The laboratory results are summarized and compared New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (October 2006) Matrix 1 and Matrix 2 values on **Table 10**. A copy of the laboratory analytical report is provided in **Appendix B**.

Soil vapor samples indicated petroleum related VOCs were present at low concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 108.64 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). The chlorinated VOC tetrachloroethene (PCE) was detected in all six soil gas samples ranging in concentration from 1.69  $\mu\text{g}/\text{m}^3$  to 277  $\mu\text{g}/\text{m}^3$  (SG5). Trichloroethene (TCE) was detected in five of the six soil vapor samples at a maximum concentration of 102  $\mu\text{g}/\text{m}^3$  (SG1). Carbon tetrachloride was detected within three of the six soil vapor samples (max of 0.503  $\mu\text{g}/\text{m}^3$ ) and 1,1,1-trichloroethane (TCA) was detected in all two of the six soil vapor samples (max of 6.98  $\mu\text{g}/\text{m}^3$ ). The carbon tetrachloride and TCA concentrations are below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion. The concentrations of PCE and TCE were above the mitigation guidance matrix established by NYSDOH.

### Conclusions

Soil at the Site consists of a layer of historic fill material that was found across the majority of the Site to extend to a depth of approximately 5 to 6 feet below grade, and some areas to depths as great as 15 feet below grade. Soil samples collected from the historic fill material layer reported metals (arsenic, cadmium, and lead) and SVOCs above Restricted Residential Use SCOs, and pesticides and PCBs above Unrestricted Use SCOs.

- Submission of a Remedial Action Work Plan documenting the procedures for proper handling and off-Site disposal of the historic fill material will be required by the New York City Office of Environmental Remediation prior to obtaining building permits from the New York City Department of Buildings.

The chlorinated VOCs PCE and TCE were detected in groundwater samples collected at the Site above GQS. PCE and TCE were detected in soil samples collected at the Site, but at a concentration below Unrestricted Use SCOs, and are therefore not assumed to be the source of groundwater contamination. Both PCE and TCE were detected in on-Site soil vapor samples at a concentration above the mitigation guidance matrix established by NYSDOH. The elevated concentrations PCE and TCE in on-Site soil vapor may be associated with the PCE/TCE detected in the soil samples.

- OER will require installation of a sub-slab depressurization system (SSDS) and vapor barrier/water proofing system as a part of any redevelopment plans for the Site to mitigate against migration of soil vapor into the new building(s).

Please call if you have any questions or would like to discuss the project further.

Very truly yours,

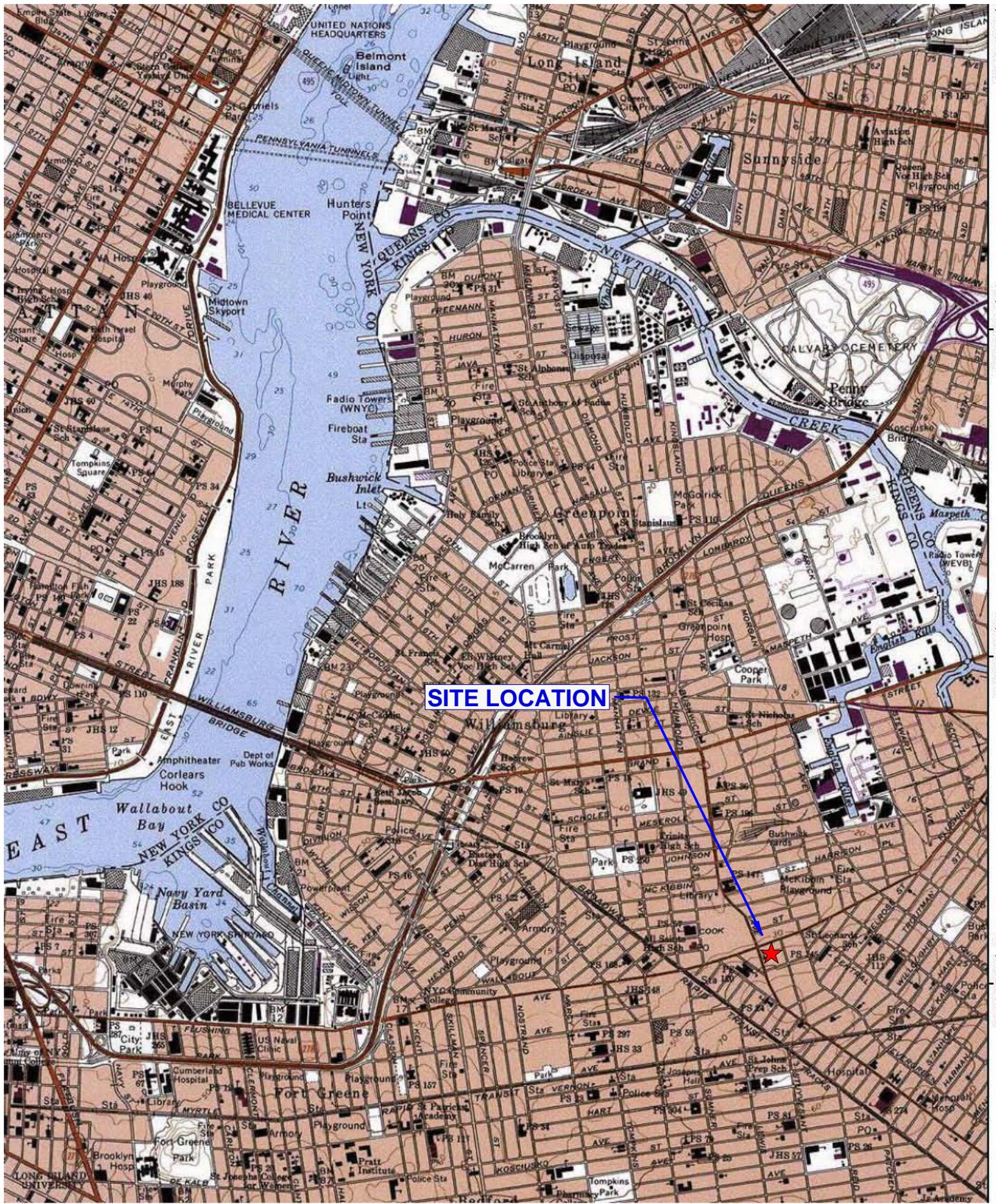
**Environmental Business Consultants**



Kevin Brussee  
Senior Project Manager

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# **FIGURES**



40°45.000' N

40°44.000' N

40°43.000' N

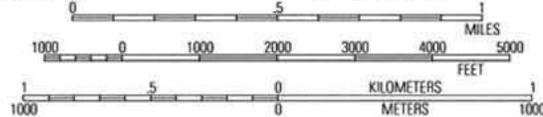
40°42.000' N

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



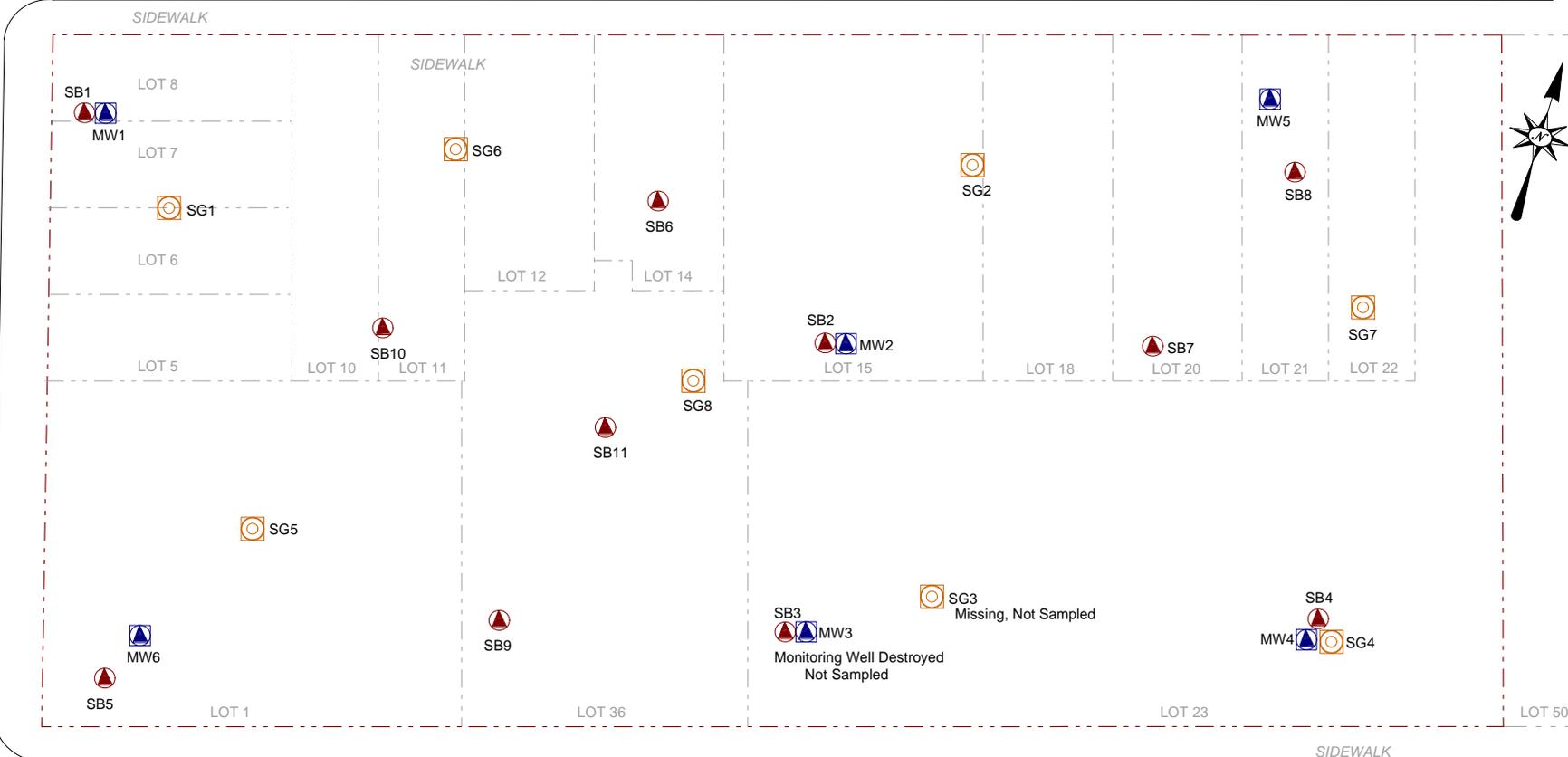
06/04/11

**Figure No.**  
**1**

Site Name: Former Rheingold Property  
 Site Address: Block 3141 - Brooklyn, NY  
 Drawing Title: Site Location Map

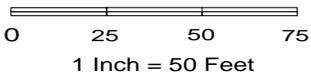
**MONTIETH STREET**

**BUSHWICK AVENUE**



**BLOCK  
3141**

**SCALE:**



**KEY:**

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

**FORREST STREET**



**ENVIRONMENTAL BUSINESS CONSULTANTS** Phone 631.504.6000  
1808 MIDDLE COUNTRY ROAD, RIDGE, NY 11961 Fax 631.924.2780

**FIGURE 2 - BLOCK 3141**  
SITE SAMPLING LOCATIONS

1 TO 37 FOREST AVENUE, 2 TO 36 MONTIETH STREET,  
BROOKLYN, NY 11206

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# **TABLES**





TABLE 2  
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		SB10		SB11					
			(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")		(0-2")		(13-15")			
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			2/26/2014	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			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2,4-Trichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,2-Diphenylhydrazine			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,3-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
1,4-Dichlorobenzene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4,5-Trichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4,6-Trichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dichlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dimethylphenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,4-Dinitrophenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
2,4-Dinitrotoluene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2,6-Dinitrotoluene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Chloronaphthalene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Chlorophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Methylnaphthalene			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Methylphenol (o-cresol)	330	100,000	< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
2-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
2-Nitrophenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
3&4-Methylphenol (m&p-cresol)			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
3,3'-Dichlorobenzidine			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
3-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
4,6-Dinitro-2-methylphenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
4-Bromophenyl phenyl ether			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Chloro-3-methylphenol			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Chloroaniline			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
4-Chlorophenyl phenyl ether			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
4-Nitroaniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
4-Nitrophenol			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
Acenaphthene	20,000	100,000	< 540	540	< 250	250	<b>310</b>	260	< 250	250	<b>500</b>	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Acenaphthylene	100,000	100,000	<b>270</b>	540	< 250	250	<b>200</b>	260	< 250	250	<b>250</b>	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Acetophenone			< 540	540	< 250	250	< 260	260	< 250	250	< 270	270	< 1,900	1,900	< 2,600	2,600	< 260	260	< 250	250	< 270	270	< 250	250	< 250	250		
Aniline			< 3900	3,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 9400	9,400	< 18000	18,000	< 1800	1,800	< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800		
Anthracene	100,000	100,000	<b>590</b>	540	< 250	250	<b>1,000</b>	260	< 250	250	<b>1,400</b>	270	< 1,900	1,900	<b>3,100</b>	2,600	< 260	260	< 250	250	<b>4,100</b>	2,70	< 250	250	<b>2,400</b>	2,500		
Benz(a)anthracene	1,000	1,000	<b>3,000</b>	540	< 250	250	<b>3,400</b>	260	< 250	250	<b>3,400</b>	270	< 1,900	1,900	<b>7,300</b>	2,600	< 260	260	< 250	250	<b>610</b>	280	< 270	270	<b>4,400</b>	2,900		
Benzidine			< 1500	1,500	< 720	720	< 730	730	< 720	720	< 760	760	< 3800	3,800	< 7300	7,300	< 800	800	< 770	770	< 710	710	< 740	740	< 750	750		
Benzofluorene	1,000	1,000	<b>3,100</b>	540	< 250	250	<b>3,400</b>	260	< 250	250	<b>3,200</b>	270	< 1,900	1,900	<b>6,000</b>	2,600	< 260	260	< 250	250	<b>770</b>	280	< 270	270	<b>1,300</b>	2,900		
Benzofluoranthene	1,000	1,000	<b>4,400</b>	540	< 250	250	<b>4,200</b>	260	< 250	250	<b>4,300</b>	270	< 1,900	1,900	<b>9,300</b>	2,600	< 260	260	< 250	250	<b>1,100</b>	280	< 270	270	<b>1,600</b>	3,000		
Benz(g)hijperylene	100,000	100,000																										

TABLE 3  
 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		SB10		SB11																																			
			(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)	(0-2)	(13-15)																																		
			µg/Kg	µg/Kg	µg/Kg																																																					
			2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	12/12/2014	12/12/2014	12/12/2014	12/12/2014																																
Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL																																	
4,4'-DDD	3.3	13,000	7.9	2.6	<2.6	2.6	<2.6	2.6	<2.6	2.6	<4.6	4.6	<13	13	<13	13	<2.6	2.6	11	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	7.6	2.8	<2.6	2.6	<2.7	2.7	<2.6	2.6	<2.1	2.1	<2.2	2.2	<11	11	<2.2	2.2												
4,4'-DDE	3.3	8,900	14	2.8	<2.6	2.6	<2.6	2.6	<2.6	2.6	<24	24	<13	13	<13	13	<2.6	2.6	18	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	11	2.8	<2.6	2.6	<5.3	5.3	<2.6	2.6	<2.1	2.1	<2.2	2.2	<11	11	<2.2	2.2												
4,4'-DDT	3.3	7,900	20	2.8	<2.6	2.6	<2.6	2.6	<2.6	2.6	<74	74	<13	13	<13	13	<2.6	2.6	19	2.8	<2.7	2.7	<2.7	2.7	<2.6	2.6	<2.7	2.7	<2.6	2.6	17	2.8	<2.6	2.6	<4.6	4.6	<2.6	2.6	<2.1	2.1	<2.2	2.2	<65	65	<2.2	2.2												
a-BHC	20	480	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<5.6	5.6	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3								
Alachlor			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<1.8	1.8	<4.0	4.0	<3.8	3.8	<3.7	3.7	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	-	-	-	-	-	-	-	-	-	-										
Aldrin	5	97	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<3.8	3.8	<9.2	9.2	<8.9	8.9	<1.8	1.8	<4.0	4.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6				
b-BHC	36	360	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Chlordane	94	4,200	<23	23	<22	22	<22	22	<22	22	<23	23	<110	110	<110	110	<22	22	<24	24	<23	23	<23	23	<22	22	<22	22	<22	22	<23	23	<22	22	<23	23	<21	21	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6												
d-BHC	40	100,000	<1.9	1.9	<1.8	1.8	<4.3	4.3	<1.8	1.8	<6.1	6.1	<9.2	9.2	<8.9	8.9	<1.8	1.8	<5.6	5.6	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3								
Dieldrin	5	200	<2.7	2.7	<1.8	1.8	<3.6	3.6	<1.8	1.8	<8.4	8.4	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6				
Endosulfan I	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endosulfan II	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endosulfan sulfate	2,400	24,000	<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<18	18	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endrin	14	11,000	<2.3	2.3	<1.8	1.8	<3.6	3.6	<1.8	1.8	<4.2	4.2	<29	29	<8.9	8.9	<1.8	1.8	<4.0	4.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Endrin aldehyde			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.8	3.8	<1.8	1.8	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3												
Endrin ketone			<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3
g-BHC	100	280	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.4	1.4	<1.5	1.5	<7.6	7.6	<1.5	1.5				
g-Chlordane			<3.8	3.8	<3.6	3.6	<3.6	3.6	<3.6	3.6	<3.6	3.6	<9.2	9.2	<18	18	<3.6	3.6	<4.0	4.0	<3.8	3.8	<3.8	3.8	<3.6	3.6	<3.7	3.7	<3.6	3.6	<3.8	3.8	<3.7	3.7	<3.8	3.8	<3.5	3.5	<3.6	3.6	<3.7	3.7	<3.8	3.8	<3.5	3.5	<3.6	3.6	<3.7	3.7	<19	19	<3.6	3.6				
Heptachlor	42	2,100	<2.3	2.3	<1.8	1.8	<2.2	2.2	<1.8	1.8	<11	11	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Heptachlor epoxide			<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.9	1.9	<9.2	9.2	<8.9	8.9	<1.8	1.8	<2.0	2.0	<1.9	1.9	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.9	1.9	<1.8	1.8	<7.1	7.1	<7.5	7.5	<38	38	<7.3	7.3				
Methoxychlor			<92	92	<7.3	7.3	<65	65	<7.2	7.2	<110	110	<55	55	<71	71	<7.2	7.2	<16	16	<7.6	7.6	<15	15	<7.2	7.2	<7.5	7.5	<7.3	7.3	<7.7	7.7	<7.4	7.4	<80	80	<7.1	7.1	<36	36	<37	37	<190	190	<36	36												
Toxaphene			<190	190	<180	180	<180	180	<180	180	<190	190	<920	920	<890	890	<180	180	<200	200	<190	190	<190	190	<180	180	<190	190	<180	180	<190	190	<180	180	<190	190	<180</																					

TABLE 4  
 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		SB10		SB11																									
			(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')		(0-2')		(13-15')																							
			mg/kg																																													
			2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014																						
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL																								
Aluminum			7,410	37	5,030	32	6,660	36	6,760	34	10,100	40	6,780	36	6,810	36	6,160	38	12,300	37	12,800	37	11,600	37	6,950	36	12,500	36	6,790	36	7,700	36	12,700	40	8,340	39	5,360	33	7,010	51	11,500	54	8,570	52	9,310	56		
Antimony			<1.8	1.8	<1.6	1.6	<1.8	1.8	<1.7	1.7	<2.0	2	<1.8	1.8	<1.8	1.8	<1.9	1.9	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	1.8	<2.0	2	<2.0	2	<1.7	1.7	<3.4	3.4	<3.6	3.6	<3.5	3.5	<3.7	3.7				
Arsenic	13	16	5.8	0.7	1.6	0.6	4.8	0.7	2.4	0.7	7	0.6	20.8	0.7	3.9	0.7	2.7	0.6	7.5	0.7	3.2	0.7	6.1	0.7	1.9	0.7	9.5	0.7	1.8	0.7	9.2	0.7	1.8	0.6	4.9	0.6	1.5	0.7	1.5	0.7	4.6	0.7	3.3	0.7				
Barium	350	400	240	0.7	33	0.6	145	0.7	48.9	0.7	80	0.8	133	0.7	69.3	0.7	44.2	0.8	102	0.7	47.9	0.7	89.8	0.7	49.2	0.7	159	0.7	36.9	0.7	222	0.7	59.3	0.8	272	0.8	35.6	0.7	37.4	0.34	32.7	0.36	98.7	0.35	391	0.37		
Beryllium	7.2	72	0.41	0.29	0.36	0.26	0.51	0.28	0.45	0.27	0.56	0.32	0.41	0.28	0.4	0.29	0.55	0.3	0.61	0.29	0.52	0.29	0.49	0.29	0.5	0.29	0.61	0.29	0.54	0.29	0.48	0.29	0.61	0.32	0.5	0.31	0.38	0.27	0.42	0.27	0.56	0.29	0.43	0.28	0.5	0.3		
Cadmium	2.5	4.3	0.64	0.37	0.24	0.32	0.45	0.36	0.26	0.34	0.42	0.4	1.6	0.36	0.4	0.36	0.38	0.38	0.64	0.37	<0.37	0.37	0.27	0.37	0.2	0.36	0.61	0.36	0.33	0.36	1.23	0.36	0.24	0.4	0.53	0.39	0.18	0.33	<0.34	0.34	<0.36	0.36	0.93	0.35	8.53	0.37		
Calcium			51,200	37	1,050	32	25,500	36	8,730	34	64,700	40	58,900	36	19,600	36	1,650	38	9,120	37	1,270	37	15,200	37	1,180	36	1,790	36	1,360	36	12,700	36	1,320	40	20,500	39	1,250	33	594	5.1	753	5.4	33,500	52	20,700	56		
Chromium	30	180	22.4	0.37	13.1	0.32	28	0.36	16	0.34	19.1	0.4	19.2	0.36	17.4	0.36	18	0.38	56.5	0.37	27.3	0.37	26.6	0.37	24.6	0.36	24.6	0.36	25.7	0.36	20.1	0.36	45	0.4	18.6	0.39	14.7	0.33	15.9	0.34	20.8	0.36	17.1	0.35	18.7	0.37		
Cobalt			3.8	0.37	4.88	0.32	4.52	0.36	6.64	0.34	4.38	0.4	5	0.36	6.35	0.36	7.06	0.38	5.51	0.37	6.59	0.37	5.95	0.37	5.24	0.36	7.51	0.36	6.53	0.36	5.71	0.36	9.76	0.4	5.5	0.39	4.78	0.33	6.45	0.34	8.95	0.36	4.96	0.35	8.53	0.37		
Copper	50	270	30.3	0.37	13.5	0.32	22.2	0.36	20.7	0.34	19	0.4	30.2	0.36	29.4	0.36	20.5	0.38	30.5	0.37	16.5	0.37	27.6	0.37	15.6	0.36	38.2	0.36	23.7	0.36	63.5	0.36	21.9	0.4	54.2	0.39	13	0.33	16.2	0.34	18.8	0.36	33.7	0.35	27.7	0.37		
Iron			14,500	37	16,400	32	16,900	36	19,800	34	16,200	40	17,200	36	16,300	36	24,100	38	22,100	37	21,100	37	25,200	37	17,000	36	30,800	36	24,800	36	21,300	36	24,900	40	18,700	39	14,000	33	16,300	51	23,300	54	18,000	52	17,800	56		
Lead	63	400	210	7.4	5.3	0.6	239	7.1	13.5	0.7	37.3	0.8	92.6	0.7	121	0.7	7.2	0.8	146	7.3	14.8	0.7	123	0.7	5.1	0.7	292	7.3	6.2	0.7	405	7.3	5.6	0.8	1,160	7.8	6.1	0.7	5.08	0.34	7.66	0.36	176	3.5	655	3.7		
Magnesium			2,730	3.7	1,840	3.2	5,120	3.6	3,160	3.4	4,140	4	2,800	3.6	5,780	3.6	1,760	3.6	2,390	3.7	2,080	3.7	2,210	3.7	2,170	3.6	2,520	3.6	2,520	3.6	4,520	3.6	5,840	4	3,590	3.9	1,900	3.3	1,990	5.1	2,110	5.4	4,770	5.2	4,310	5.6		
Manganese	1,600	2,000	258	3.7	396	3.2	495	3.6	631	3.4	380	4	260	3.6	351	3.6	524	3.8	293	3.7	173	3.7	348	3.7	285	3.6	535	3.6	342	3.6	306	3.6	1,060	4	445	3.9	338	3.3	335	3.4	166	3.6	378	3.5	390	3.7		
Mercury	0.18	0.81	0.3	0.08	<0.07	0.07	0.29	0.08	<0.08	0.08	0.19	0.07	0.22	0.07	0.52	0.06	<0.06	0.06	0.22	0.08	<0.08	0.08	0.23	0.07	<0.06	0.06	0.47	0.08	<0.09	0.09	0.55	0.08	<0.07	0.07	0.53	0.08	<0.07	0.07	<0.07	0.07	<0.09	0.09	0.41	0.08	0.13	0.07		
Nickel	30	310	13.2	0.37	10.9	0.32	11.7	0.36	12.1	0.34	11.6	0.4	12.9	0.36	11.9	0.36	13.4	0.38	13.9	0.37	15.4	0.37	97.4	0.37	11.5	0.36	15.7	0.36	11.8	0.36	25.8	0.36	23.8	0.4	12.6	0.39	10.1	0.33	10.8	0.34	13.8	0.36	13.8	0.35	14.1	0.37		
Potassium			1,090	7	913	6	1,360	7	1,290	7	1,640	8	1,020	7	1,110	7	1,290	8	1,150	7	878	7	1,130	7	1,420	7	954	7.3	1,690	7	911	7	2,610	8	831	8	1,290	7	1,280	5.1	1,150	5.4	1,180	5.2	2,240	5.6		
Selenium	3.9	180	<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<1.3	1.3	<1.4	1.4	<1.4	1.4	<1.4	1.4	<1.5	1.5
Silver	2	180	<0.37	0.37	<0.32	0.32	<0.36	0.36	<0.34	0.34	<0.40	0.4	<0.36	0.36	<0.36	0.36	<0.38	0.38	<0.37	0.37	<0.37	0.37	<0.37	0.37	<0.36	0.36	<0.36	0.36	<0.36	0.36	<0.40	0.4	<0.39	0.39	<0.33	0.33	<0.34	0.34	<0.36	0.36	<0.35	0.35	<0.37	0.37				
Sodium			445	7	74	6	425	7	107	7	677	8	272	7	254	7	167	8	192	7	74	7	212	7	228	7	419	7	167	7	225	7	222	8	803	8	169	7	317	5.1	224	5.4	697	5.2	210	5.6		
Thallium			<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.3	1.3	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.4	1.4	<1.5	1.5	<1.5	1.5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<1.3	1.3	<3.1	3.1	<3.2	3.2	<3.1	3.1	<3.4	3.4		
Vanadium			29.7	0.4	19.5	0.3	28.5	0.4	35.5	0.3	31.1	0.4	23.8	0.4	27.1	0.4	33.9	0.4	33.9	0.4	35	0.4	54.3	0.4	27.2	0.4	37.2	0.4	47.8	0.4	33	0.4	53.4	0.4	27.6	0.4	.	0.3	23.9	0.34	32.3	0.36	31	0.35	29.7	0.37		
Zinc	109	10,000	193	7.4	21.9	0.6	150	7.1	28.5	0.7	143	0.8	295	7.1	80.5	0.7	27.1	0.8	124	0.7	70	0.7	81.3	0.7	28.6	0.7	157	7.3	28	0.7	260	7.3	60.2	0.8	143	0.8	21.8	0.7	24.5	0.34	29.6	0.36	231	3.5	770	3.7		

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

Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
		1,1,1,2-Tetrachloroethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1,1-Trichloroethane	5	<5.0	5	<b>0.42</b>	5	<b>2.1</b>	5	<5.0	5	<5.0	5
1,1,2,2-Tetrachloroethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1,2-Trichloroethane	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1-Dichloroethane	5	<5.0	5	<5.0	5	<b>2</b>	5	<5.0	5	<5.0	5
1,1-Dichloroethene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,1-Dichloropropene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,3-Trichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,3-Trichloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,4-Trichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2,4-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dibromo-3-chloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dibromoethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dichlorobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,2-Dichloroethane	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6	<0.6	0.6
1,2-Dichloropropane	0.94	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,3,5-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,3-Dichlorobenzene	5	<3	3	<3	3	<3	3	<3	3	<3	3
1,3-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
1,4-Dichlorobenzene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
2,2-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Hexanone (Methyl Butyl Ketone)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
2-Isopropyltoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
4-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
4-Methyl-2-Pentanone		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Acetone		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Acrolein		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Acrylonitrile	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Benzene	1	<0.70	0.7	<0.70	0.7	<0.70	0.7	<0.70	0.7	<0.70	0.7
Bromobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromochloromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromodichloromethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Bromoform		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Bromomethane	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Carbon Disulfide	60	<b>0.31</b>	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Carbon tetrachloride	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Chlorobenzene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Chloroethane	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Chloroform	7	<b>1.1</b>	5	<b>0.77</b>	5	<b>1.1</b>	5	<5.0	5	<5.0	5
Chloromethane	60	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
cis-1,2-Dichloroethane	5	<b>2.8</b>	1	<1.0	1	<1.0	1	<1.0	1	<b>0.62</b>	1
cis-1,3-Dichloropropene		<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4
Dibromochloromethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Dibromomethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Dichlorodifluoromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Ethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Hexachlorobutadiene	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5
Isopropylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
m&p-Xylenes	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methyl Ethyl Ketone (2-Butanone)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methyl t-butyl ether (MTBE)	10	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Methylene chloride	5	<3.0	3	<3.0	3	<3.0	3	<3.0	3	<3.0	3
Naphthalene	10	<1.0	1	<1.0	1	<1.0	1	<b>0.43</b>	1	<1.0	1
n-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
n-Propylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
o-Xylene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
p-Isopropyltoluene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
sec-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Styrene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
tert-Butylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Tetrachloroethane	5	<b>11</b>	1	<b>1.2</b>	1	<b>0.56</b>	1	<1.0	1	<b>8.5</b>	1
Tetrahydrofuran (THF)		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
Toluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
trans-1,2-Dichloroethane	5	<b>0.39</b>	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5
trans-1,3-Dichloropropene	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4	<0.40	0.4
trans-1,4-dichloro-2-butene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Trichloroethane	5	<b>9.8</b>	1	<b>0.69</b>	1	<b>0.88</b>	1	<1.0	1	<b>3.3</b>	1
Trichlorofluoromethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Trichlorotrifluoroethane		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1
Vinyl Chloride	2	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1

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

		Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014		MW2 3/27/2014		MW4 3/27/2014		MW5 3/27/2014		MW6 3/27/2014			
		µg/L		µg/L		µg/L		µg/L		µg/L			
		Result	RL										
1,2,4,5-Tetrachlorobenzene		<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5	<1.5	1.5		
Acenaphthylene		<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1		
Benzo(a)anthracene	0.002	<b>0.03</b>	0.02	<b>0.05</b>	0.02	<b>0.03</b>	0.02	<b>0.49</b>	0.02	<b>0.03</b>	0.02		
Benzo(a)pyrene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.42</b>	0.02	<0.02	0.02		
Benzo(b)fluoranthene	0.002	<0.02	0.02	<b>0.03</b>	0.02	<0.02	0.02	<b>0.06</b>	0.02	<0.02	0.02		
Benzo(g,h,i)perylene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.27</b>	0.02	<0.02	0.02		
Benzo(k)fluoranthene	0.002	<0.02	0.02	<b>0.02</b>	0.02	<0.02	0.02	<b>0.32</b>	0.02	<0.02	0.02		
Bis(2-ethylhexyl)phthalate	5	<1.6	1.6	<1.6	1.6	<1.6	1.6	<b>3</b>	1.6	<1.6	1.6		
Chrysene	0.002	<0.02	0.02	<b>0.04</b>	0.02	<0.02	0.02	<b>0.47</b>	0.02	<0.02	0.02		
Dibenzo(a,h)anthracene		<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02		
Hexachlorobenzene	0.04	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02	<0.02	0.02		
Hexachloroethane	5	<2.4	2.4	<2.4	2.4	<2.4	2.4	<2.4	2.4	<2.4	2.4		
Indeno(1,2,3-cd)pyrene	0.002	<0.02	0.02	<0.02	0.02	<0.02	0.02	<b>0.21</b>	0.02	<0.02	0.02		
Pentachloronitrobenzene		<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1	<0.10	0.1		
Pentachlorophenol		<0.80	0.8	<0.80	0.8	<0.80	0.8	<0.80	0.8	<0.80	0.8		
Phenanthrene	50	<0.10	0.1	<0.10	0.1	<0.10	0.1	<b>1.4</b>	0.1	<0.10	0.1		
1,2,4-Trichlorobenzene		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
1,2-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
1,2-Diphenylhydrazine		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
1,3-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
1,4-Dichlorobenzene		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4,5-Trichlorophenol	3	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4,6-Trichlorophenol	3	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dichlorophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dimethylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dinitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2,4-Dinitrotoluene	5	<5.0	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	<5.0	5		
2-Chloronaphthalene	10	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Chlorophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2-Methylnaphthalene		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Methylphenol (o-cresol)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
2-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
2-Nitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
3&4-Methylphenol (m&p-cresol)		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
3,3'-Dichlorobenzidine	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
3-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4,6-Dinitro-2-methylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
4-Bromophenyl phenyl ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Chloro-3-methylphenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
4-Chloroaniline	5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5		
4-Chlorophenyl phenyl ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Nitroaniline	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
4-Nitrophenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Acenaphthene	20	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Acetophenone		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Aniline		<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5	<3.5	3.5		
Anthracene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Benidine	5	<5	5	<5	5	<5	5	<5	5	<5	5		
Benzoic Acid		<25	25	<25	25	<25	25	<25	25	<25	25		
Benzyl Butyl phthalate		<5.0	5	<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	<5.0	5		
Bis(2-chloroethyl)ether	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Bis(2-chloroisopropyl)ether		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Carbazole		<25	25	<25	25	<25	25	<25	25	<25	25		
Dibenzofuran		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Diethylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Dimethylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Di-n-butylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Di-n-octylphthalate	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Fluoranthene	50	<5.0	5	<5.0	5	<5.0	5	<b>2.1</b>	5	<5.0	5		
Fluorene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Hexachlorobutadiene	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5		
Hexachlorocyclopentadiene	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Isophorone	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Naphthalene	10	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Nitrobenzene	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4		
N-Nitrosodimethylamine		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
N-Nitrosodi-n-propylamine		<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
N-Nitrosodiphenylamine	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Phenol		<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1		
Pyrene	50	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5		
Pyridine		<10	10	<10	10	<10	10	<10	10	<10	10		

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7  
 Groundwater Analytical Results  
 Pesticides/PCBs

Block 3141											
Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL								
		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	< 0.072	0.072
PCB-1232	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1248	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1260	0.09	< 0.072	0.072	< 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	< 0.072	0.072
PCB-1268	0.09	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072	< 0.072	0.072
4,4-DDD	0.3	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
4,4-DDE	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
4,4-DDT	0.11	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
a-BHC	0.94	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
a-Chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Alachlor		< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.75	0.75	< 0.075	0.075
Aldrin		< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.015	0.015	< 0.002	0.002
b-BHC	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Chlordane	0.05	< 0.030	0.03	< 0.030	0.03	< 0.030	0.03	< 0.15	0.15	< 0.030	0.03
d-BHC	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Dieldrin	0.004	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.015	0.015	< 0.002	0.002
Endosulfan I		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endosulfan II		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endrin		< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Endrin aldehyde	5	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Endrin ketone		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
g-Chlordane		< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.10	0.1	< 0.010	0.01
Heptachlor	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Heptachlor epoxide	0.03	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.050	0.05	< 0.005	0.005
Methoxychlor	35	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 1.0	1	< 0.10	0.1
Toxaphene		< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 2.0	2	< 0.20	0.2

Notes:

RL - Reporting Limit

**Bold/highlighted**- Indicated exceedance of the NYSDEC Groundwater Standard

Table 8  
 Groundwater Analytical Results  
 TAL Metals

		Block 3141									
Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL								
		Aluminum	NS	<b>120</b>	0.1	<b>41.5</b>	0.1	<b>60.4</b>	0.1	<b>0.577</b>	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	<b>0.03</b>	0.004	<b>0.01</b>	0.004	<b>0.016</b>	0.004	< 0.004	0.004	< 0.004	0.004
Barium	1	<b>1.65</b>	0.01	<b>0.666</b>	0.01	<b>0.834</b>	0.01	<b>0.05</b>	0.01	<b>0.105</b>	0.01
Beryllium	0.003	<b>0.008</b>	0.001	<b>0.003</b>	0.001	<b>0.004</b>	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	<b>0.009</b>	0.004	<b>0.003</b>	0.004	<b>0.004</b>	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	<b>97</b>	0.01	<b>81.8</b>	0.01	<b>91.5</b>	0.01	<b>175</b>	0.1	<b>135</b>	0.01
Chromium	0.05	<b>0.604</b>	0.001	<b>0.2</b>	0.001	<b>0.211</b>	0.001	<b>0.003</b>	0.001	<b>0.003</b>	0.001
Cobalt	NS	<b>0.315</b>	0.005	<b>0.086</b>	0.005	<b>0.119</b>	0.005	<b>0.002</b>	0.005	< 0.005	0.005
Copper	0.2	<b>0.676</b>	0.005	<b>0.188</b>	0.005	<b>0.267</b>	0.005	<b>0.006</b>	0.005	<b>0.002</b>	0.005
Iron	0.5	<b>388</b>	0.1	<b>115</b>	0.01	<b>184</b>	0.1	<b>1.46</b>	0.01	<b>0.31</b>	0.01
Lead	0.025	<b>0.258</b>	0.002	<b>0.075</b>	0.002	<b>0.081</b>	0.002	<b>0.006</b>	0.002	< 0.002	0.002
Magnesium	35	<b>83</b>	0.1	<b>39.9</b>	0.01	<b>54.3</b>	0.01	<b>24.8</b>	0.01	<b>45</b>	0.01
Manganese	0.3	<b>29.4</b>	0.5	<b>6.09</b>	0.05	<b>9.1</b>	0.05	<b>0.322</b>	0.005	<b>0.339</b>	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	<b>0.0004</b>	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	<b>0.459</b>	0.004	<b>0.119</b>	0.004	<b>0.172</b>	0.004	<b>0.008</b>	0.004	<b>0.005</b>	0.004
Potassium	NS	<b>31</b>	0.1	<b>12.2</b>	0.1	<b>17.5</b>	0.1	<b>18.2</b>	0.1	<b>7.2</b>	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	<b>0.011</b>	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	< 0.005	0.005
Sodium	2	<b>90.3</b>	1	<b>97.5</b>	1	<b>86.2</b>	1	<b>46.1</b>	0.1	<b>82.5</b>	1
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	<b>0.308</b>	0.01	<b>0.099</b>	0.01	<b>0.166</b>	0.01	< 0.010	0.01	< 0.010	0.01
Zinc	2	<b>0.951</b>	0.01	<b>0.206</b>	0.01	<b>0.503</b>	0.01	<b>0.054</b>	0.01	<b>0.004</b>	0.01

Notes:

NS - No Standard

RL - Reporting Limit

**Bold/highlighted-** Indicated exceedance of the NYSDEC Groundwater Standard

Table 9  
 Groundwater Analytical Results  
 TAL Filtered Metals

Block 3141											
Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 3/27/2014 µg/L		MW2 3/27/2014 µg/L		MW4 3/27/2014 µg/L		MW5 3/27/2014 µg/L		MW6 3/27/2014 µg/L	
		Result	RL								
		Aluminum	NS	<b>0.51</b>	0.01	<b>0.54</b>	0.01	<b>0.02</b>	0.01	<b>0.02</b>	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Barium	1	<b>0.057</b>	0.011	<b>0.055</b>	0.011	<b>0.098</b>	0.011	<b>0.045</b>	0.011	<b>0.102</b>	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	<b>0</b>	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	<b>65.6</b>	0.01	<b>70.4</b>	0.01	<b>80.9</b>	0.01	<b>168</b>	0.11	<b>131</b>	0.01
Chromium	0.05	<b>0.003</b>	0.001	<b>0.002</b>	0.001	< 0.001	0.001	< 0.001	0.001	<b>0.002</b>	0.001
Cobalt	NS	<b>0.008</b>	0.005	<b>0.001</b>	0.005	< 0.005	0.005	<b>0.001</b>	0.005	< 0.005	0.005
Copper	0.2	<b>0.002</b>	0.005	<b>0.002</b>	0.005	< 0.005	0.005	<b>0.003</b>	0.005	<b>0.002</b>	0.005
Iron	0.5	<b>0.73</b>	0.01	<b>0.7</b>	0.01	<b>0.08</b>	0.01	<b>0.45</b>	0.01	<b>0.07</b>	0.01
Lead	0.025	< 0.002	0.002	< 0.002	0.002	< 0.021	0.021	<b>0.002</b>	0.002	< 0.002	0.002
Magnesium	35	<b>25.2</b>	0.01	<b>21.7</b>	0.01	<b>27</b>	0.01	<b>23.2</b>	0.01	<b>43.1</b>	0.01
Manganese	0.3	<b>3.22</b>	0.053	<b>0.29</b>	0.005	<b>0.086</b>	0.005	<b>0.31</b>	0.005	<b>0.362</b>	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	<b>0.017</b>	0.004	<b>0.005</b>	0.004	<b>0.004</b>	0.004	<b>0.006</b>	0.004	<b>0.005</b>	0.004
Potassium	NS	<b>7</b>	0.1	<b>3.9</b>	0.1	<b>6.2</b>	0.1	<b>18.7</b>	0.1	<b>8.1</b>	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	<b>0.012</b>	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	< 0.005	0.005
Sodium	2	<b>92.9</b>	1.1	<b>104</b>	1.1	<b>95.7</b>	1.1	<b>46.2</b>	0.11	<b>83.6</b>	1.1
Thallium	0.0005	< 0.0005	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	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01
Zinc	2	<b>0.007</b>	0.011	<b>0.003</b>	0.011	<b>0.006</b>	0.011	<b>0.036</b>	0.011	<b>0.005</b>	0.011

Notes:

NS - No Standard

RL - Reporting Limit

**Bold/highlighted-** Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10  
 Soil Gas  
 Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub Slab Value ( $\mu\text{g}/\text{m}^3$ ) <sup>(a)</sup>	SG-1 ( $\mu\text{g}/\text{m}^3$ )		SG-2 ( $\mu\text{g}/\text{m}^3$ )		SG-4 ( $\mu\text{g}/\text{m}^3$ )		SG-5 ( $\mu\text{g}/\text{m}^3$ )		SG-6 ( $\mu\text{g}/\text{m}^3$ )		SG-7 ( $\mu\text{g}/\text{m}^3$ )	
		4/24/2014		4/24/2014		4/24/2014		4/24/2014		4/24/2014		4/24/2014	
		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	< 1.00	1	2.56	1	6.98	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2,2-Tetrachloroethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene		16.9	1	9.24	1	12.1	1	11.2	1	16	1	25	1
1,2-Dibromoethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloroethane		< 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		5.65	1	3.1	1	4.32	1	3.39	1	5.36	1	7.22	1
1,3-Butadiene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene		4.75	1	1.14	1	< 1.00	1	3.42	1	2.94	1	12.8	1
1,4-Dichlorobenzene		< 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	29.5	1	1.8	1	< 1.00	1	10.2	1
4-Ethyltoluene		3.29	1	1.92	1	2.36	1	1.72	1	3.19	1	5.5	1
4-Isopropyltoluene		2.47	1	1.15	1	1.59	1	1.43	1	2.14	1	1.92	1
4-Methyl-2-pentanone		1.72	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.43	1
Acetone		275	1	760	1	738	1	82.8	1	3,090	1	1,030	1
Acrylonitrile		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene		1.5	1	2.65	1	< 1.00	1	< 1.00	1	4.34	1	2.94	1
Benzyl Chloride		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.34	1	< 1.00	1
Bromoform		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromomethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Disulfide		3.61	1	8.84	1	4.64	1	7.44	1	7.59	1	3.61	1
Carbon Tetrachloride	5	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	0.251	0.25	0.44	0.25	0.503	0.25
Chlorobenzene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroform		23.3	1	11.7	1	6.1	1	1.22	1	571	1	7.12	1
Chloromethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.53	1
cis-1,2-Dichloroethene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,3-Dichloropropene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane		9.7	1	4.78	1	3.58	1	2.58	1	7.81	1	9.29	1
Dibromochloromethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluoromethane		11.1	1	2.62	1	2.17	1	47.5	1	6.42	1	2.42	1
Ethanol		39.4	1	50.8	1	43.5	1	18.4	1	124	1	76.4	1
Ethyl Acetate		< 1.00	1	< 1.00	1	< 1.00	1	1.15	1	< 1.00	1	< 1.00	1
Ethylbenzene		3.04	1	5.08	1	4.6	1	1.04	1	10	1	6.77	1
Heptane		8.93	1	15.6	1	13.4	1	< 1.00	1	39.8	1	12.3	1
Hexachlorobutadiene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane		10.4	1	9.62	1	9.19	1	2.92	1	27.8	1	15.6	1
Isopropylalcohol		31.7	1	36.8	1	69.5	1	8.3	1	243	1	102	1
Isopropylbenzene		1.28	1	< 1.00	1	< 1.00	1	< 1.00	1	1.52	1	1.57	1
Xylene (m&p)		8.33	1	14.9	1	17	1	3.38	1	31.9	1	23.9	1
Methyl Ethyl Ketone		32.4	1	125	1	258	1	15.6	1	584	1	197	1
MTBE		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride		1.08	1	< 1.00	1	< 1.00	1	1.67	1	26.3	1	1.04	1
n-Butylbenzene		2.8	1	1.54	1	2.14	1	2.08	1	2.58	1	3.24	1
Xylene (o)		3.52	1	5.12	1	6.51	1	1.74	1	11.2	1	9.5	1
Propylene		14	1	18.7	1	32.7	1	5.62	1	163	1	92.5	1
sec-Butylbenzene		1.37	1	< 1.00	1	< 1.00	1	< 1.00	1	1.32	1	< 1.00	1
Styrene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Tetrachloroethene	100	63.4	0.25	3.05	0.25	61.2	0.25	277	0.25	2.64	0.25	1.69	0.25
Tetrahydrofuran		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene		21.1	1	30.7	1	16.1	1	5.69	1	51.2	1	24.5	1
trans-1,2-Dichloroethene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Trichloroethene	5	102	0.25	< 0.25	0.25	0.483	0.25	36.2	0.25	0.698	0.25	0.322	0.25
Trichlorofluoromethane		39.5	1	1.4	1	4.6	1	350	1	3.48	1	1.35	1
Trichlorotrifluoroethane		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Vinyl Chloride		< 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		37.49		58.45		44.21		11.85		108.64		67.61	

Notes:  
 NA - No guidance value or standard available  
 RL - Reporting Limit  
 (a) 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)

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**APPENDIX A**  
***Soil Boring Logs***

























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**APPENDIX B**  
***Laboratory Reports***





Thursday, May 01, 2014

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

Project ID: RHEINGOLD BUSHWICK NY  
Sample ID#s: BG37380 - BG37389

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,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 10:57  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37380

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	3.21	0.183	17.5	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.21	0.204	15.8	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1	0.204	4.91	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.6	0.166	3.60	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.52	0.204	2.55	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.33	0.244	1.35	1.00	04/28/14	KCA	TO15
Acetone	99.1	0.421	235	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.62	0.313	1.98	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.38	0.321	7.40	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.05	0.040	0.314	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	0.97	0.205	4.73	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	4.32	0.291	14.9	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.48	0.202	2.37	1.00	04/28/14	KCA	TO15
Ethanol	40.8	0.531	76.8	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.85	0.278	3.06	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	0.42	0.230	1.82	1.00	04/28/14	KCA	TO15
Heptane	1.99	0.244	8.15	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	1.5	0.284	5.28	1.00	04/28/14	KCA	TO15
Isopropylalcohol	15.4	0.407	37.8	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.22	0.204	1.08	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.2	0.230	5.21	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	22.6	0.339	66.6	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.46	0.182	2.52	1.00	04/28/14	KCA	TO15 1
o-Xylene	0.54	0.230	2.34	1.00	04/28/14	KCA	TO15
Propylene	50	0.581	86.0	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	0.2	0.182	1.10	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.18	0.037	1.22	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.08	0.266	19.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.09	0.047	0.483	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.6	0.178	8.98	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	109	%	109	%	04/28/14	KCA	TO15

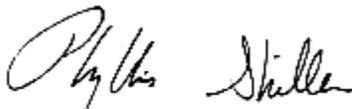
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:40  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37381

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	0.21	0.183	1.14	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.12	0.204	15.3	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.91	0.204	4.47	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.85	0.166	5.11	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.64	0.204	3.14	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	10.8	0.182	59.2	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	198	0.421	470	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.82	0.313	2.62	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	0.82	0.321	2.55	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.64	0.205	8.00	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.89	0.291	3.06	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.02	0.202	5.04	1.00	04/28/14	KCA	TO15
Ethanol	15.2	0.531	28.6	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	2.88	0.230	12.5	1.00	04/28/14	KCA	TO15
Heptane	4.72	0.244	19.3	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	3.09	0.284	10.9	1.00	04/28/14	KCA	TO15
Isopropylalcohol	14.5	0.407	35.6	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.28	0.204	1.38	1.00	04/28/14	KCA	TO15
m,p-Xylene	8.94	0.230	38.8	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	20.8	0.339	61.3	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.48	0.182	2.63	1.00	04/28/14	KCA	TO15
o-Xylene	3.55	0.230	15.4	1.00	04/28/14	KCA	TO15
Propylene	10.2	0.581	17.5	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	0.29	0.235	1.23	1.00	04/28/14	KCA	TO15
Tetrachloroethene	3.64	0.037	24.7	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	10.4	0.266	39.2	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.05	0.047	0.268	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.7	0.178	9.54	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

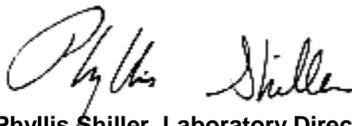
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:12  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37382

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.26	0.204	16.0	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.09	0.204	5.36	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.49	0.166	2.94	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.65	0.204	3.19	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.39	0.182	2.14	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	1300	0.421	3090	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	1.36	0.313	4.34	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	0.2	0.149	1.34	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.44	0.321	7.59	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.07	0.040	0.440	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	117	0.205	571	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.27	0.291	7.81	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.3	0.202	6.42	1.00	04/28/14	KCA	TO15
Ethanol	66	0.531	124	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	2.31	0.230	10.0	1.00	04/28/14	KCA	TO15
Heptane	9.72	0.244	39.8	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	7.89	0.284	27.8	1.00	04/28/14	KCA	TO15
Isopropylalcohol	99	0.407	243	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.31	0.204	1.52	1.00	04/28/14	KCA	TO15
m,p-Xylene	7.36	0.230	31.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	198	0.339	584	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	7.57	0.288	26.3	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.47	0.182	2.58	1.00	04/28/14	KCA	TO15
o-Xylene	2.59	0.230	11.2	1.00	04/28/14	KCA	TO15
Propylene	95	0.581	163	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	0.24	0.182	1.32	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.39	0.037	2.64	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	13.6	0.266	51.2	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.13	0.047	0.698	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.62	0.178	3.48	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	Interference	%	Interference	%	04/28/14	KCA	TO15

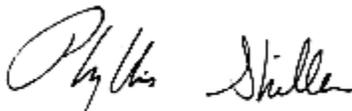
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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BRL=Below Reporting Level

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14 11:00  
 04/25/14 16:43

## Time

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37383

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,1-Trichloroethane	10.7	0.183	58.3	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	0.46	0.247	1.86	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.17	0.204	15.6	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.89	0.204	4.37	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.89	0.166	5.35	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
4-Ethyltoluene	0.72	0.204	3.54	1.00	04/28/14	KCA	TO15
4-Isopropyltoluene	0.2	0.182	1.10	1.00	04/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	118	0.421	280	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	0.44	0.321	1.37	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.04	0.040	0.251	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	ND	0.205	ND	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.67	0.291	2.30	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.07	0.202	5.29	1.00	04/28/14	KCA	TO15
Ethanol	9.84	0.531	18.5	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.36	0.278	1.30	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	1.81	0.230	7.85	1.00	04/28/14	KCA	TO15
Heptane	1.81	0.244	7.41	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	3.06	0.284	10.8	1.00	04/28/14	KCA	TO15
Isopropylalcohol	3.94	0.407	9.68	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.22	0.204	1.08	1.00	04/28/14	KCA	TO15
m,p-Xylene	6.44	0.230	27.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	15.9	0.339	46.9	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.87	0.288	3.02	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.42	0.182	2.30	1.00	04/28/14	KCA	TO15 1
o-Xylene	2.39	0.230	10.4	1.00	04/28/14	KCA	TO15
Propylene	8.41	0.581	14.5	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.26	0.037	1.76	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.05	0.266	19.0	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.06	0.178	5.95	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

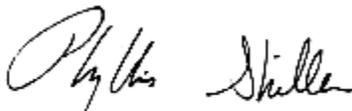
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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**Phyllis Shiller, Laboratory Director**

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:06  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37384

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	1.28	0.183	6.98	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.47	0.204	12.1	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.88	0.204	4.32	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	7.21	0.244	29.5	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.48	0.204	2.36	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.29	0.182	1.59	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	311	0.421	738	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Client ID: BL 3141 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.49	0.321	4.64	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.25	0.205	6.10	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	1.04	0.291	3.58	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.44	0.202	2.17	1.00	04/28/14	KCA	TO15
Ethanol	23.1	0.531	43.5	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	1.06	0.230	4.60	1.00	04/28/14	KCA	TO15
Heptane	3.26	0.244	13.4	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.61	0.284	9.19	1.00	04/28/14	KCA	TO15
Isopropylalcohol	28.3	0.407	69.5	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	3.91	0.230	17.0	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	87.6	0.339	258	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.39	0.182	2.14	1.00	04/28/14	KCA	TO15
o-Xylene	1.5	0.230	6.51	1.00	04/28/14	KCA	TO15
Propylene	19	0.581	32.7	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	9.03	0.037	61.2	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	4.28	0.266	16.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.09	0.047	0.483	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.82	0.178	4.60	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

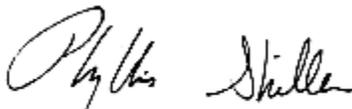
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:01  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37385

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	5.84	0.183	31.8	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.32	0.204	11.4	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.73	0.204	3.59	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.47	0.166	2.82	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.43	0.204	2.11	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.22	0.182	1.21	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.32	0.244	1.31	1.00	04/28/14	KCA	TO15
Acetone	232	0.421	551	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.88	0.313	2.81	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.81	0.321	8.74	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.11	0.040	0.692	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.01	0.205	4.93	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.74	0.291	9.42	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.53	0.202	2.62	1.00	04/28/14	KCA	TO15
Ethanol	34.6	0.531	65.2	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.46	0.278	1.66	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	0.46	0.230	2.00	1.00	04/28/14	KCA	TO15
Heptane	3.21	0.244	13.1	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	4.31	0.284	15.2	1.00	04/28/14	KCA	TO15
Isopropylalcohol	24	0.407	59.0	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.24	0.230	5.38	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	38.7	0.339	114	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15 1
o-Xylene	0.53	0.230	2.30	1.00	04/28/14	KCA	TO15
Propylene	26.4	0.581	45.4	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.34	0.037	2.30	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.34	0.266	20.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.76	0.178	4.27	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	0.25	0.130	1.91	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

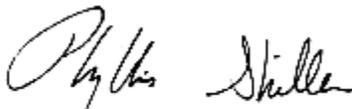
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14 11:10  
 04/25/14 16:43

## Time

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37386

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	0.47	0.183	2.56	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	1.88	0.204	9.24	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.63	0.204	3.10	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.19	0.166	1.14	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.39	0.204	1.92	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.21	0.182	1.15	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	320	0.421	760	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.83	0.313	2.65	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.84	0.321	8.84	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	2.39	0.205	11.7	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	1.39	0.291	4.78	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.53	0.202	2.62	1.00	04/28/14	KCA	TO15
Ethanol	27	0.531	50.8	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	1.17	0.230	5.08	1.00	04/28/14	KCA	TO15
Heptane	3.8	0.244	15.6	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.73	0.284	9.62	1.00	04/28/14	KCA	TO15
Isopropylalcohol	15	0.407	36.8	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	3.44	0.230	14.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	42.4	0.339	125	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.28	0.182	1.54	1.00	04/28/14	KCA	TO15 1
o-Xylene	1.18	0.230	5.12	1.00	04/28/14	KCA	TO15
Propylene	10.9	0.581	18.7	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.45	0.037	3.05	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	8.15	0.266	30.7	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.25	0.178	1.40	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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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 Quantitation) ND=Not Detected  
BRL=Below Reporting Level

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14  
 04/25/14

## Time

11:56  
 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37387

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-7

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b><u>Volatiles (TO15)</u></b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	5.08	0.204	25.0	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.47	0.204	7.22	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	2.13	0.166	12.8	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	2.48	0.244	10.2	1.00	04/28/14	KCA	TO15
4-Ethyltoluene	1.12	0.204	5.50	1.00	04/28/14	KCA	TO15
4-Isopropyltoluene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	0.35	0.244	1.43	1.00	04/28/14	KCA	TO15
Acetone	435	0.421	1030	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.92	0.313	2.94	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.16	0.321	3.61	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.46	0.205	7.12	1.00	04/28/14	KCA	TO15
Chloromethane	0.74	0.484	1.53	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.7	0.291	9.29	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.49	0.202	2.42	1.00	04/28/14	KCA	TO15
Ethanol	40.6	0.531	76.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	1.56	0.230	6.77	1.00	04/28/14	KCA	TO15
Heptane	3	0.244	12.3	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	4.43	0.284	15.6	1.00	04/28/14	KCA	TO15
Isopropylalcohol	41.5	0.407	102	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.32	0.204	1.57	1.00	04/28/14	KCA	TO15
m,p-Xylene	5.5	0.230	23.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	67	0.339	197	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.3	0.288	1.04	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.59	0.182	3.24	1.00	04/28/14	KCA	TO15
o-Xylene	2.19	0.230	9.50	1.00	04/28/14	KCA	TO15
Propylene	53.8	0.581	92.5	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.25	0.037	1.69	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	6.51	0.266	24.5	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.06	0.047	0.322	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.24	0.178	1.35	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

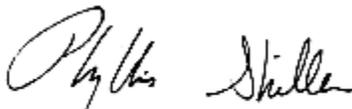
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14  
 04/25/14

## Time

11:14  
 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37388

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.44	0.204	16.9	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.15	0.204	5.65	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.79	0.166	4.75	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
4-Ethyltoluene	0.67	0.204	3.29	1.00	04/28/14	KCA	TO15
4-Isopropyltoluene	0.45	0.182	2.47	1.00	04/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	0.42	0.244	1.72	1.00	04/28/14	KCA	TO15
Acetone	116	0.421	275	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.47	0.313	1.50	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.16	0.321	3.61	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	4.77	0.205	23.3	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.82	0.291	9.70	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	2.24	0.202	11.1	1.00	04/28/14	KCA	TO15
Ethanol	20.9	0.531	39.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	0.7	0.230	3.04	1.00	04/28/14	KCA	TO15
Heptane	2.18	0.244	8.93	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.94	0.284	10.4	1.00	04/28/14	KCA	TO15
Isopropylalcohol	12.9	0.407	31.7	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.26	0.204	1.28	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.92	0.230	8.33	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	11	0.339	32.4	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.31	0.288	1.08	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.51	0.182	2.80	1.00	04/28/14	KCA	TO15
o-Xylene	0.81	0.230	3.52	1.00	04/28/14	KCA	TO15
Propylene	8.13	0.581	14.0	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	0.25	0.182	1.37	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	9.36	0.037	63.4	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	5.6	0.266	21.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	18.9	0.047	102	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	7.03	0.178	39.5	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	109	%	109	%	04/28/14	KCA	TO15

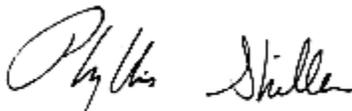
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14 11:16  
 04/25/14 16:43

## Time

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37389

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.28	0.204	11.2	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.69	0.204	3.39	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.57	0.166	3.42	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	0.44	0.244	1.80	1.00	04/28/14	KCA	TO15
4-Ethyltoluene	0.35	0.204	1.72	1.00	04/28/14	KCA	TO15
4-Isopropyltoluene	0.26	0.182	1.43	1.00	04/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	34.9	0.421	82.8	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.39	0.321	7.44	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.04	0.040	0.251	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	0.25	0.205	1.22	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.75	0.291	2.58	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	9.61	0.202	47.5	1.00	04/28/14	KCA	TO15
Ethanol	9.78	0.531	18.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	0.32	0.278	1.15	1.00	04/28/14	KCA	TO15
Ethylbenzene	0.24	0.230	1.04	1.00	04/28/14	KCA	TO15
Heptane	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	0.83	0.284	2.92	1.00	04/28/14	KCA	TO15
Isopropylalcohol	3.38	0.407	8.30	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	0.78	0.230	3.38	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	5.28	0.339	15.6	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.48	0.288	1.67	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.38	0.182	2.08	1.00	04/28/14	KCA	TO15
o-Xylene	0.4	0.230	1.74	1.00	04/28/14	KCA	TO15
Propylene	3.27	0.581	5.62	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	40.9	0.037	277	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	1.51	0.266	5.69	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	6.75	0.047	36.2	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	62.4	0.178	350	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

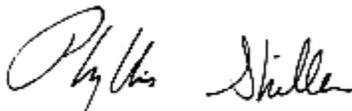
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
-----------	----------------	------------	-----------------	-------------	-----------	----	-----------

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 Quantitation) 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**

**May 01, 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



# QA/QC Report

May 01, 2014

## QA/QC Data

SDG I.D.: GBG37380

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
QA/QC Batch 272863, QC Sample No: BG37380 (BG37380 (5X) , BG37381, BG37382, BG37383, BG37384, BG37385, BG37386, BG37387, BG37388, BG37389)										
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	92	17.5	17.1	3.21	3.13	2.5	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	126	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	114	15.8	15.5	3.21	3.16	1.6	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	113	4.91	4.81	1	0.98	2.0	70 - 130	20
1,3-Butadiene	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	118	3.60	3.54	0.6	0.59	1.7	70 - 130	20
1,4-Dichlorobenzene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	113	2.55	2.36	0.52	0.48	8.0	70 - 130	20
4-Isopropyltoluene	ND	ND	115	1.81	1.92	0.33	0.35	5.9	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	94	1.39	1.31	0.34	0.32	6.1	70 - 130	20
Acetone	ND	ND	79	218	219	91.9	92.4	0.5	70 - 130	20
Acrylonitrile	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	89	1.98	1.95	0.62	0.61	1.6	70 - 130	20
Benzyl chloride	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	85	7.40	7.50	2.38	2.41	1.3	70 - 130	20
Carbon Tetrachloride	ND	ND	90	0.314	0.314	0.05	0.05	0.0	70 - 130	20
Chlorobenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	87	4.73	4.83	0.97	0.99	2.0	70 - 130	20
Chloromethane	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	85	14.9	15.0	4.32	4.37	1.2	70 - 130	20
Dibromochloromethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	91	2.27	2.67	0.46	0.54	16.0	70 - 130	20

## QA/QC Data

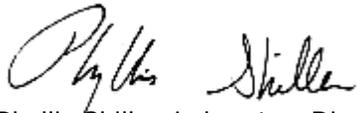
SDG I.D.: GBG37380

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	ND	73	76.8	78.3	40.8	41.6	1.9	70 - 130	20
Ethyl acetate	ND	ND	89	3.06	3.35	0.85	0.93	9.0	70 - 130	20
Ethylbenzene	ND	ND	112	1.78	1.78	0.41	0.41	0.0	70 - 130	20
Heptane	ND	ND	88	8.15	7.99	1.99	1.95	2.0	70 - 130	20
Hexachlorobutadiene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	84	5.28	5.78	1.5	1.64	8.9	70 - 130	20
Isopropylalcohol	ND	ND	85	37.8	38.6	15.4	15.7	1.9	70 - 130	20
Isopropylbenzene	ND	ND	115	ND	1.03	ND	0.21	NC	70 - 130	20
m,p-Xylene	ND	ND	114	5.21	5.12	1.2	1.18	1.7	70 - 130	20
Methyl Ethyl Ketone	ND	ND	81	66.6	66.3	22.6	22.5	0.4	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	69	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	120	2.52	2.52	0.46	0.46	0.0	70 - 130	20
o-Xylene	ND	ND	112	2.34	2.34	0.54	0.54	0.0	70 - 130	20
Propylene	ND	ND	79	88.6	90.8	51.5	52.8	2.5	70 - 130	20
sec-Butylbenzene	ND	ND	114	1.10	1.04	0.2	0.19	5.1	70 - 130	20
Styrene	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	113	1.15	1.22	0.17	0.18	5.7	70 - 130	20
Tetrahydrofuran	ND	ND	87	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	106	19.1	18.9	5.08	5.03	1.0	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	104	ND	0.430	ND	0.08	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	90	8.98	8.98	1.6	1.6	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	84	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	107	107	102	109	107	109	107	1.9	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
- LCS D - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

  
 Phyllis Shiller, Laboratory Director  
 May 01, 2014

# Sample Criteria Exceedences Report

**GBG37380 - EBC**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* 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.

CHAIN OF CUSTODY RECORD



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

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

P.O. # \_\_\_\_\_ Page 1 of 2  
 Data Delivery:  Fax # \_\_\_\_\_  
 Email: File  
 Phone # \_\_\_\_\_

Report to: \_\_\_\_\_  
 Customer: EBC  
 Address: Edge NY

Invoice to: EBC  
 Project Name: Remedial Bushwick NY  
 Requested Deliverable: RCP  ASP CAT B   
 MCP  NJ Deliverables   
 State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX		ANALYSES
													Soil Gas	Grab (G) Composite (C)	
37380	BL3139 Sg3	4402	6.0	-30	-3	4977	41.6	914	1057	4.24	-29	-6	X		X
37381	BL3139 Sg4	490			-6	5357		916	1140		-30	-8			
37382	BL3141 Sg6	13642			-10	5350		946	1112		-30	-8			
37383	BL3139 Sg2	12860			-5	4986		918	1100		-27	-5			
37384	BL3141 Sg4 Did not use	457			-3	4959		924	1106		-30	-6			
37385	BL3139 Sg-1 Did not use	492			-4	4956		912	1101		-30	-7			
37386	BL3141 Sg2	471			-5	3108		938	1110		-28	-7			
37387	BL3141 Sg7	12854			-4	4495		926	1156		-30	-8			

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accepted by: [Signature] Date: 4-25-14  
 Data Format:  Excel  Equis  GISKey   
 PDF  Other: \_\_\_\_\_

SPECIAL INSTRUCTIONS, REQUIREMENTS, REGULATORY INFORMATION:  
60L 2hr (10f2)  
 \*Did not receive Canister. Did not receive regulators. (MFD)

Requested Criteria: \_\_\_\_\_  
 Quote Number: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.





Thursday, April 10, 2014

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

Project ID: BLOCK 3141 BKLYN,NY  
Sample ID#s: BG24581 - BG24586

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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



**NY ANALYTICAL SERVICES PROTOCOL  
DATA PACKAGE**

**Client: Environmental Business Consultants**  
**Project: BLOCK 3141 BKLYN,NY**  
**Laboratory Project: GBG24581**



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



# NY Analytical Services Protocol Format

April 10, 2014

SDG I.D.: GBG24581

Environmental Business Consultants BLOCK 3141 BKLYN,NY

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## SDG Comments

### 8081 Pesticides:

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

### 8260 Volatile Organics:

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

### 8270 Semivolatile Organics:

Full Scan Report:

Hexachlorobutadiene, and nitrobenzene were reported from the SIM analysis.

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

## Methodology Summary

### **Metals**

ICP :

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

Mercury:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

### **Pesticides:**

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

### **Polychlorinated Biphenyls (PCBs):**

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

### **Semivolatile Organic Compounds**

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

### **Volatile Organics**

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

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# NY Analytical Services Protocol Format

April 10, 2014

SDG I.D.: GBG24581

Environmental Business Consultants BLOCK 3141 BKLYN,NY

---

## Sample Id Cross Reference

Client Id	Lab Id	Matrix
BL3141 MW 1	BG24581	GROUND WATER
BL3141 MW 2	BG24582	GROUND WATER
BL3141 MW 4	BG24583	GROUND WATER
BL3141 MW 5	BG24584	GROUND WATER
BL3141 MW 6	BG24585	GROUND WATER
DUPLICATE	BG24586	GROUND WATER

---



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
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# **NY Analytical Services Protocol Format**

**April 10, 2014**

**SDG I.D.: GBG24581**

**Environmental Business Consultants BLOCK 3141 BKLYN,NY**

---

## **Laboratory Chronicle**

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

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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

8:45  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24581

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	120	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.030	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	1.65	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.008	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	97.0	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.009	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.315	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.604	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.676	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.51	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.057	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	65.6	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	0.000	B 0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.008	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.003	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.73	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	7.0	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	25.2	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	3.22	0.053	0.011	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	92.9	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.017	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.007	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	388	0.10	0.050	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	31.0	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	83.0	0.10	0.010	mg/L	04/02/14	LK	SW6010
Manganese	29.4	0.50	0.10	mg/L	04/02/14	LK	SW6010
Sodium	90.3	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.459	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.258	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.308	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.951	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	03/31/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	03/31/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	03/31/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	03/31/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	53			%	03/31/14	CE	SW8081
%TCMX (Surrogate Rec)	74			%	03/31/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	37			%	03/29/14	AW	30 - 150 %
% TCMX	45			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	0.31	J 1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	1.1	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	2.8	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	11	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	0.39	J 5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	9.8	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	100			%	03/30/14	RM	70 - 130 %
% Toluene-d8	97			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	89			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	71			%	04/02/14	DD	23 - 120 %
% Phenol-d5	73			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	84			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	97			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	94			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	76			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	98			%	04/01/14	DD	23 - 120 %
% Phenol-d5	75			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	128			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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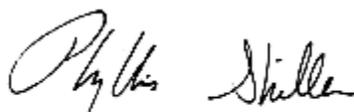
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

9:00  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24582

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	41.5	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.010	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.666	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.003	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	81.8	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.003 B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.086 *	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.200	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.188 *	0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005 N	0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.54	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.055	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	70.4	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.001 B	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002 B*	0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.70	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	3.9	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	21.7	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.290	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	104	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.003	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	115	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	12.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	39.9	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	6.09	0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	97.5	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.119	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.075	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.099	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.206	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	58			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	86			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/31/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	37			%	03/31/14	AW	30 - 150 %
% TCMX	48			%	03/31/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	0.42	J 5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	0.77	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	1.2	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	0.69	J 1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	104			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	107			%	03/30/14	RM	70 - 130 %
% Toluene-d8	101			%	03/30/14	RM	84 - 138 %
<b>Semivolatiles</b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	92			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	79			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	58			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	04/02/14	DD	23 - 120 %
% Phenol-d5	37			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	84			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.05	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.02	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	105			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	93			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	96			%	04/01/14	DD	23 - 120 %
% Phenol-d5	40			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	130			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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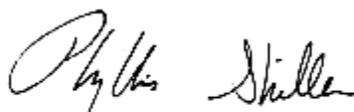
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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**

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

9:30  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24583

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	60.4	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.016	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.834	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.004	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	91.5	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.119	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.211	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.267	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.02	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.098	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	80.9	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	< 0.005	* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.08	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	6.2	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	27.0	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.086	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	95.7	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.004	B 0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.021	0.021	0.011	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.006	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	184	0.10	0.050	mg/L	04/02/14	LK	SW6010
Mercury	0.0004	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	17.5	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	54.3	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	9.10	0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	86.2	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.172	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.081	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.166	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.503	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	70			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	78			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	40			%	03/29/14	AW	30 - 150 %
% TCMX	38			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	2.1	J 5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	2.0	J 5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	1.1	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	0.56	J 1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	0.88	J 1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	99			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	95			%	03/30/14	RM	70 - 130 %
% Toluene-d8	99			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	98			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	64			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	74			%	04/02/14	DD	23 - 120 %
% Phenol-d5	62			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	91			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	101			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	59			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	93			%	04/01/14	DD	23 - 120 %
% Phenol-d5	56			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	131			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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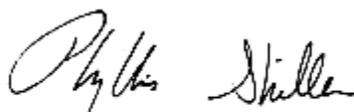
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

10:00  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24584

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.577	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.050	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	175	0.10	0.030	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.002	B* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.006	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.02	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.045	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	168	0.11	0.032	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.001	B 0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.003	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.45	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	18.7	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	23.2	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.310	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	46.2	0.11	0.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.006	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	0.012	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.036	0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	1.46	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	18.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	24.8	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.322	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	46.1	0.1	0.1	mg/L	04/02/14	LK	SW6010
Nickel	0.008	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.006	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	0.011	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.054	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050
<b>Pesticides</b>							
4,4' -DDD	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.75	0.75	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.15	0.15	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	1.0	1.0	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	2.0	2.0	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	38			%	03/29/14	AW	30 - 150 %
% TCMX	35			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	ND	5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	0.43	J 1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	90			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	108			%	03/30/14	RM	70 - 130 %
% Toluene-d8	100			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	2.1	J 5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	112			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	81			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	59			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	70			%	04/02/14	DD	23 - 120 %
% Phenol-d5	58			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	81			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.49	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	0.42	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	0.27	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.32	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	3	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.47	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.21	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	1.4	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	92			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	56			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	88			%	04/01/14	DD	23 - 120 %
% Phenol-d5	55			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	119			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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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 Quantitation) 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.

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.

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

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**Phyllis Shiller, Laboratory Director**

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

10:30  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24585

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.080	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.105	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	135	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	< 0.005	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.002	B* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.01	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.102	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	131	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.07	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	8.1	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	43.1	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.362	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	83.6	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.005	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	0.31	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	7.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	45.0	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.339	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	82.5	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.005	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.004	B 0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	90			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	76			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	36			%	03/29/14	AW	30 - 150 %
% TCMX	37			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	ND	5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	0.62	J 1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	8.5	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	3.3	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	98			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	94			%	03/30/14	RM	70 - 130 %
% Toluene-d8	97			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	95			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	39			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	66			%	04/02/14	DD	23 - 120 %
% Phenol-d5	39			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	78			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	102			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	84			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	40			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	93			%	04/01/14	DD	23 - 120 %
% Phenol-d5	40			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	113			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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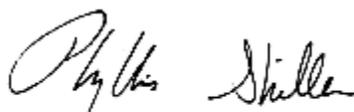
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

0:00  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24586

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.080	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.104	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	133	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	< 0.005	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.002	B* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.03	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.111	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	130	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.10	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	8.1	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	43.3	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.352	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	83.2	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.007	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	0.23	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	7.1	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	44.3	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.329	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	82.9	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.004	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.004	B 0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	129			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	82			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	31			%	03/29/14	AW	30 - 150 %
% TCMX	41			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	0.73	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	0.62	J 1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	8.6	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	3.4	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	99			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	106			%	03/30/14	RM	70 - 130 %
% Toluene-d8	100			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	109			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	57			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	71			%	04/02/14	DD	23 - 120 %
% Phenol-d5	58			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	66			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	1.5	J 1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.02	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	93			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	54			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	91			%	04/01/14	DD	23 - 120 %
% Phenol-d5	53			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	100			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

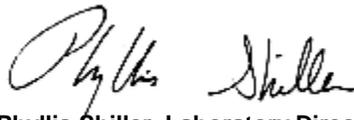
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

**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.

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.

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**

# Sample Criteria Exceedences Report

## GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24581	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	9.8	1.0	5	5	ug/L
BG24581	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	9.8	1.0	5	5	ug/L
BG24581	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24581	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	1.0	5	5	ug/L
BG24581	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	11	1.0	5	5	ug/L
BG24581	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24581	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24581	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24581	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	120	0.10	0.1	0.1	mg/L
BG24581	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.030	0.004	0.025	0.025	mg/L
BG24581	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	1.65	0.010	1	1	mg/L
BG24581	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.008	0.001	0.003	0.003	mg/L
BG24581	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.009	0.004	0.005	0.005	mg/L
BG24581	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.604	0.001	0.05	0.05	mg/L
BG24581	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.676	0.005	0.2	0.2	mg/L
BG24581	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.51	0.01	0.1	0.1	mg/L
BG24581	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.73	0.01	0.3	0.3	mg/L
BG24581	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	3.22	0.053	0.3	0.3	mg/L
BG24581	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	92.9	1.1	20	20	mg/L
BG24581	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	388	0.10	0.3	0.3	mg/L
BG24581	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	83.0	0.10	35	35	mg/L
BG24581	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	29.4	0.50	0.3	0.3	mg/L
BG24581	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	90.3	1.0	20	20	mg/L
BG24581	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.459	0.004	0.1	0.1	mg/L
BG24581	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.258	0.002	0.025	0.025	mg/L
BG24582	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24582	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24582	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24582	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L

# Sample Criteria Exceedences Report

Criteria: NY: GW

**GBG24581 - EBC**

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG24582	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24582	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24582	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06		ug/L
BG24582	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	41.5	0.10	0.1	0.1		mg/L
BG24582	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.200	0.001	0.05	0.05		mg/L
BG24582	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.54	0.01	0.1	0.1		mg/L
BG24582	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.70	0.01	0.3	0.3		mg/L
BG24582	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	104	1.1	20	20		mg/L
BG24582	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	115	0.01	0.3	0.3		mg/L
BG24582	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	39.9	0.01	35	35		mg/L
BG24582	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	6.09	0.050	0.3	0.3		mg/L
BG24582	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	97.5	1.0	20	20		mg/L
BG24582	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.119	0.004	0.1	0.1		mg/L
BG24582	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.075	0.002	0.025	0.025		mg/L
BG24583	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24583	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24583	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24583	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24583	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24583	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06		ug/L
BG24583	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	60.4	0.10	0.1	0.1		mg/L
BG24583	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.004	0.001	0.003	0.003		mg/L
BG24583	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.211	0.001	0.05	0.05		mg/L
BG24583	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.267	0.005	0.2	0.2		mg/L
BG24583	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	95.7	1.1	20	20		mg/L

# Sample Criteria Exceedences Report

Criteria: NY: GW

**GBG24581 - EBC**

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG24583	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	184	0.10	0.3	0.3		mg/L
BG24583	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	54.3	0.01	35	35		mg/L
BG24583	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	9.10	0.050	0.3	0.3		mg/L
BG24583	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	86.2	1.0	20	20		mg/L
BG24583	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.172	0.004	0.1	0.1		mg/L
BG24583	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.081	0.002	0.025	0.025		mg/L
BG24584	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24584	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24584	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24584	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.49	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.47	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.47	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.32	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.32	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.42	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.21	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.21	0.02	0.002	0.002		ug/L
BG24584	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	b-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	d-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.15	0.1	0.1		ug/L
BG24584	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.15	0.05	0.05		ug/L
BG24584	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.015	0.004	0.004		ug/L
BG24584	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.03	0.03		ug/L
BG24584	\$DPPEST_GA	Alachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.75	0.5	0.5		ug/L
BG24584	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.06	0.06		ug/L
BG24584	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.577	0.010	0.1	0.1		mg/L
BG24584	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.45	0.01	0.3	0.3		mg/L
BG24584	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.310	0.005	0.3	0.3		mg/L

# Sample Criteria Exceedences Report

## GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BG24584	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	46.2	0.11	20	20		mg/L
BG24584	DSE-WMDP	Selenium, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.012	0.004	0.01	0.01		mg/L
BG24584	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1.46	0.01	0.3	0.3		mg/L
BG24584	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.322	0.005	0.3	0.3		mg/L
BG24584	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	46.1	0.1	20	20		mg/L
BG24584	SE-WMDP	Selenium	NY / TOGS - Water Quality / GA Criteria	0.011	0.004	0.01	0.01		mg/L
BG24585	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24585	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.5	1.0	5	5		ug/L
BG24585	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	8.5	1.0	5	5		ug/L
BG24585	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24585	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24585	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06		ug/L
BG24585	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	43.1	0.01	35	35		mg/L
BG24585	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.362	0.005	0.3	0.3		mg/L
BG24585	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	83.6	1.1	20	20		mg/L
BG24585	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	0.31	0.01	0.3	0.3		mg/L
BG24585	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	45.0	0.01	35	35		mg/L
BG24585	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.339	0.005	0.3	0.3		mg/L
BG24585	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	82.5	1.0	20	20		mg/L
BG24586	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24586	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.6	1.0	5	5		ug/L
BG24586	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	8.6	1.0	5	5		ug/L
BG24586	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24586	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24586	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L

## Sample Criteria Exceedences Report

### GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24586	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24586	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	43.3	0.01	35	35	mg/L
BG24586	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.352	0.005	0.3	0.3	mg/L
BG24586	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	83.2	1.1	20	20	mg/L
BG24586	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	44.3	0.01	35	35	mg/L
BG24586	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.329	0.005	0.3	0.3	mg/L
BG24586	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	82.9	1.0	20	20	mg/L

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



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



# NY Temperature Narration

April 10, 2014

SDG I.D.: GBG24581

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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

4 WPC + Pump



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

Client Services (860) 645-8726

Data Delivery:  
 Fax #:  
 Email:

Customer: EBL Project: Block 3141 Bklyn NY Project P.O.:  
 Address: 21030 NY Report to:  
 Invoice to:

Sampler's Signature: [Signature] Date: 3-27-11  
 Analysis Request: TR 5262 TR 5263 TR 5264 TR 5265 TR 5266 TR 5267 TR 5268 TR 5269 TR 5270 TR 5271 TR 5272 TR 5273 TR 5274 TR 5275 TR 5276 TR 5277 TR 5278 TR 5279 TR 5280 TR 5281 TR 5282 TR 5283 TR 5284 TR 5285 TR 5286 TR 5287 TR 5288 TR 5289 TR 5290

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
24581	BL3141 MW 1	GW	3-27	845
24582	BL3141 MW 2			900
24583	BL3141 MW 4			930
24584	BL3141 MW 5			1000
24585	BL3141 MW 6			1030
24586	Duplicate			

Relinquished by: [Signature] Accepted by: [Signature]

Date: 3-28-11 Time: 10:05

Date: 3-28-11 Time: 15:57

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

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

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

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

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

State where samples were collected: NY

Comments, Special Requirements or Regulations:  
 \* ADIANT RCV PLASTIC ASIS FOR MW4  
 \*\* RCVD (2) PLASTIC ASIS, INSTEAD OF 1 (TF)



Monday, March 10, 2014

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

Project ID: BLOCK 3141 BRKLYN NY  
Sample ID#s: BG13661 - BG13679

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
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# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13661

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB4 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6810	36	7.2	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.9	0.7	0.72	mg/Kg	02/28/14	EK	SW6010
Barium	69.3	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.40	0.29	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	19600	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.40	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.35	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	17.4	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	29.4	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	16300	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.52	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1110	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	5780	* 36	2.2	mg/Kg	02/28/14	EK	SW6010
Manganese	351	N 3.6	1.4	mg/Kg	02/28/14	LK	SW6010
Sodium	254	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.9	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	121	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.1	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	80.5	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	91			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	AW	30 - 150 %
% TCMX	72			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	13	13	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	71	71	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	890	890	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	165			%	03/03/14	MH	30 - 150 %
% TCMX	115			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.60	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.48	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.72	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.81	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.58	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.86	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.91	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.87	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.75	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.63	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	21	JS 54	5.4	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.4	0.71	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.4	0.76	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.4	4.2	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.88	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.63	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.81	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.4	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.59	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.4	0.69	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.7	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.95	JS 5.4	0.89	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	5.4	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.98	ug/Kg	02/27/14	JLI	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.4	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.4	0.86	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	87			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	96			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	2600	2000	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	2600	910	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	18000	2600	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2600	1700	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	18000	3700	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	2600	2300	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	7300	1700	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	18000	8000	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	18000	3900	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	7300	1700	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	18000	1200	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	18000	1700	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	18000	7400	ug/Kg	02/28/14	DD	SW 8270
Anthracene	3100	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	7300	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	7300	2200	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	6000	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	8300	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	3100	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	2300	J 2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	18000	7300	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	2600	940	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	2600	990	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	18000	2800	ug/Kg	02/28/14	DD	SW 8270
Chrysene	6800	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	2600	970	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	2600	940	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	17000	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Fluorene	1200	J 2600	1200	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	2700	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	2400	1400	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	16000	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Pyrene	13000	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	2600	900	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	*Diluted Out			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	*Diluted Out			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	*Diluted Out			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	*Diluted Out			%	02/28/14	DD	23 - 120 %
% Phenol-d5	*Diluted Out			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	*Diluted Out			%	02/28/14	DD	18 - 137 %

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

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

**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.

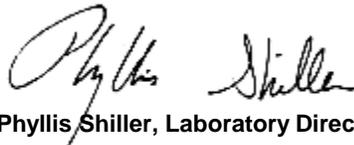
**Semi-Volatile Comment:**

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.  
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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13662

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB4 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.23	mg/Kg	02/28/14	EK	SW6010
Aluminum	6160	38	7.5	mg/Kg	02/28/14	EK	SW6010
Arsenic	2.7	0.8	0.75	mg/Kg	02/28/14	EK	SW6010
Barium	44.2	0.8	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.55	0.30	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1650	* 38	35	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.38	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	7.06	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	18.0	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	20.5	* 0.38	0.30	mg/kg	02/28/14	EK	SW6010
Iron	24100	38	38	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 8	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	1760	* 3.8	0.23	mg/Kg	02/28/14	EK	SW6010
Manganese	524	N 3.8	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	167	N 8	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.4	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	7.2	0.8	0.23	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.9	1.9	1.9	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.9	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	27.1	* 0.8	0.38	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	69			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94			%	02/28/14	MH	30 - 150 %
% TCMX	87			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.64	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.91	JS	5.6	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	94	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	75			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	73			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	68			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	68			%	02/27/14	DD	23 - 120 %
% Phenol-d5	68			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	83			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

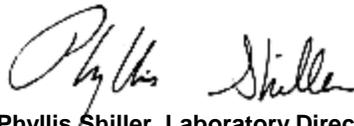
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13663

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB7 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12500	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	9.5	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	159	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1790	* 36	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.61	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	7.51	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	24.6	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	38.2	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	30800	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.47	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	954	N 73	28	mg/Kg	02/28/14	EK	SW6010
Magnesium	2520	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	535	N 3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	419	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	15.7	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	292	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	37.2	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	157	* 7.3	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	88			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	105			%	02/28/14	MH	30 - 150 %
% TCMX	101			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.50	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.74	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.95	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.71	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.97	JS	5.6	0.92	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	89			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	130	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	130	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	170	J 260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1900	740	ug/Kg	02/27/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1900	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	150	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	280	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	130	J 260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	260	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	86			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	79			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79			%	02/27/14	DD	23 - 120 %
% Phenol-d5	75			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	110			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

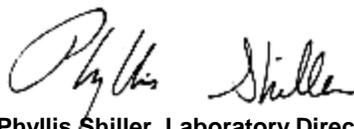
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13664

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB7 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6790	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.8	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	36.9	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.54	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1360	* 36	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.33	B 0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.53	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	25.7	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	23.7	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	24800	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.09	N* 0.09	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1690	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2520	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	342	N 3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	167	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.8	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	6.2	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	47.8	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	28.0	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	89			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81			%	02/28/14	AW	30 - 150 %
% TCMX	74			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	105			%	02/28/14	MH	30 - 150 %
% TCMX	95			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.74	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.94	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.71	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.96	JS	5.6	0.92	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	94			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	86			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	86			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	02/27/14	DD	23 - 120 %
% Phenol-d5	77			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	103			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

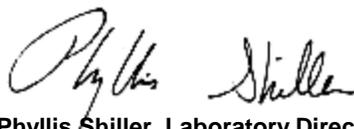
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13665

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB8 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	7700	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	9.2	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	222	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.48	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	12700	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	1.23	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.71	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	20.1	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	63.5	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	21300	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.55	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	911	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	4520	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	306	N 3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	225	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	25.8	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	405	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.0	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	260	* 7.3	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87			%	02/28/14	AW	30 - 150 %
% TCMX	65			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	7.6	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	11	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	17	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.7	7.7	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	108			%	02/28/14	MH	30 - 150 %
% TCMX	92			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB8 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	60	J 290	59	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	290	59	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	290	79	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	290	32	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	290	39	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	290	44	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	290	46	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	290	47	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	290	41	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	290	34	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	20	JS 59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	290	38	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	290	62	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	290	56	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	52	JS 290	48	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	290	79	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	290	54	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	290	53	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	290	55	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	290	47	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	590	550	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	72			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	91			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	96	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	170	J 270	120	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	120	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/27/14	DD	SW 8270
Anthracene	580	270	130	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	2000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	2200	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	3000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	1100	270	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	1000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/27/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	99	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	190	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	360	J 1900	290	ug/Kg	02/27/14	DD	SW 8270
Chrysene	2200	270	130	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	240	J 270	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	140	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	270	99	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	4300	270	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	160	J 270	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	980	270	130	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	170	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	2500	270	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	4000	270	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	97			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	90			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	92			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	84			%	02/27/14	DD	23 - 120 %
% Phenol-d5	85			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	97			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

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

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

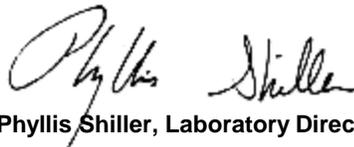
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

**Volatile Comment:**

There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13666

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB8 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	12700	40	7.9	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.8	0.8	0.79	mg/Kg	02/28/14	EK	SW6010
Barium	59.3	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.32	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	1320	* 40	36	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.24	B 0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	9.76	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	45.0	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	21.9	* 0.40	0.32	mg/kg	02/28/14	EK	SW6010
Iron	24900	40	40	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	2610	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	5840	* 4.0	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	1060	N 4.0	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	222	N 8	3.4	mg/Kg	02/28/14	EK	SW6010
Nickel	23.8	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	5.6	0.8	0.24	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	53.4	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	60.2	* 0.8	0.40	mg/Kg	02/28/14	EK	SW6010
Percent Solid	89			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	99			%	02/28/14	MH	30 - 150 %
% TCMX	94			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	72			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	72			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	65			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	70			%	02/27/14	DD	23 - 120 %
% Phenol-d5	63			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	87			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

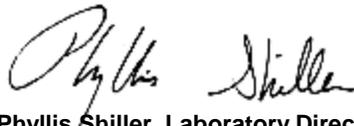
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13667

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB2 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6660	36	7.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	4.8	0.7	0.71	mg/Kg	02/28/14	EK	SW6010
Barium	145	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.51	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	25500	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.45	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.52	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	28.0	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	22.2	* 0.36	0.28	mg/kg	02/28/14	EK	SW6010
Iron	16900	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.29	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1360	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	5120	* 3.6	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	495	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	425	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.7	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	239	7.1	2.1	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	28.5	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	150	* 7.1	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	7.3	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	7.9	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	4.3	4.3	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	65	65	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	124			%	03/03/14	MH	30 - 150 %
% TCMX	88			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	280	56	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	280	39	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	280	56	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	280	40	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	280	74	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	280	31	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	0.48	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	280	37	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	280	41	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	0.58	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	0.92	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	280	38	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	280	32	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	6.5 JS	55	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	280	36	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.5	0.68	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.5	0.77	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.5	4.2	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	10	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.5	0.81	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.5	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.5	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.5	0.59	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.5	0.69	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	280	58	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	280	53	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.90 JS	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	280	74	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	280	51	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	280	50	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.5	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	280	40	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	280	52	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.5	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	1.3	J 5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.5	0.87	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	560	520	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	106			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	90			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	310	260	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	200 J	260	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	02/28/14	DD	SW 8270
Anthracene	1000	260	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3400	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	730	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3400	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4200	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1600	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1700	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	94	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	98	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	810 J	1800	280	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3600	260	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	370	260	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	230 J	260	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	7200	260	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	280	260	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1400	260	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	220 J	260	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	4400	260	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	6100	260	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	87			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	83			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	80			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	91			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

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

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

**Volatile Comment:**

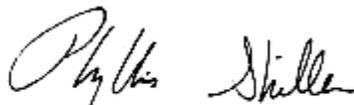
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13668

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB2 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	6760	34	6.7	mg/Kg	02/28/14	EK	SW6010
Arsenic	2.4	0.7	0.67	mg/Kg	02/28/14	EK	SW6010
Barium	48.9	0.7	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.45	0.27	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	8730	* 34	31	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.26	B 0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.64	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	16.0	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	20.7	* 0.34	0.27	mg/kg	02/28/14	EK	SW6010
Iron	19800	34	34	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.08	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	3160	* 3.4	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	631	N 3.4	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	107	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Nickel	12.1	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	13.5	0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	35.5	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	28.5	* 0.7	0.34	mg/Kg	02/28/14	EK	SW6010
Percent Solid	91			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	73			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	106			%	02/28/14	MH	30 - 150 %
% TCMX	103			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.5	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.5	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.5	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.5	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	55	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.5	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.5	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.5	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.5	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.5	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.5	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.5	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.5	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.5	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.95	JS	5.5	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.5	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.5	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.5	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	101			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	92			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	89			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	02/28/14	DD	23 - 120 %
% Phenol-d5	81			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	93			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

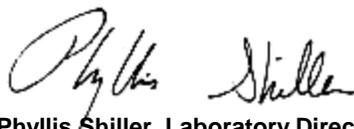
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13669

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	10100	40	8.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	7.0	0.8	0.81	mg/Kg	02/28/14	EK	SW6010
Barium	80.0	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.56	0.32	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	64700	* 40	37	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.42	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.38	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	19.1	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	19.0	* 0.40	0.32	mg/kg	02/28/14	EK	SW6010
Iron	16200	40	40	mg/Kg	02/28/14	EK	SW6010
Mercury	0.19	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1640	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	4140	* 4.0	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	380	N 4.0	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	677	N 8	3.5	mg/Kg	02/28/14	EK	SW6010
Nickel	11.6	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	37.3	0.8	0.24	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	03/01/14	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	31.1	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	143	* 0.8	0.40	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	280	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88			%	02/28/14	AW	30 - 150 %
% TCMX	73			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	24	24	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	74	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	6.1	6.1	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	8.4	8.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	4.2	4.2	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	9.2	9.2	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	11	11	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	110	110	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	137			%	02/28/14	MH	30 - 150 %
% TCMX	92			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	560	290	79	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	88			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	90			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	97			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	94	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	170	J 270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	830	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	760	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	500	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	250	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270
Anthracene	1400	270	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3400	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	760	220	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3200	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4300	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1600	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1500	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	760	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	98	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	1100	J 1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3500	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	360	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	98	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	8600	270	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	440	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1400	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	300	270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	6800	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	7900	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	94	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	82			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	74			%	02/28/14	DD	23 - 120 %
% Phenol-d5	74			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	81			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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.

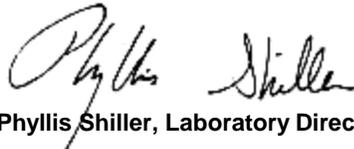
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

For Pesticides, due to matrix interference caused by the presence of PCB's in the samples an elevated RL was reported.

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: 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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13670

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB3 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6780	36	7.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	20.8	0.7	0.71	mg/Kg	02/28/14	EK	SW6010
Barium	133	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.41	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	58900	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	1.60	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.00	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	19.2	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	30.2	* 0.36	0.28	mg/kg	02/28/14	EK	SW6010
Iron	17200	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.22	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1020	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2800	* 3.6	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	260	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	272	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	12.9	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	92.6	0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	23.8	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	295	* 7.1	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	88			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88			%	02/28/14	AW	30 - 150 %
% TCMX	72			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	37	37	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	29	29	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	55	55	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	920	920	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	144			%	03/03/14	MH	30 - 150 %
% TCMX	105			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	02/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	02/27/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	02/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	02/27/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	02/27/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	02/27/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	02/27/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	02/27/14	JLI	SW8260	
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	02/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	02/27/14	JLI	SW8260	
Acetone	18	JS	57	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.74	ug/Kg	02/27/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	02/27/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	02/27/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	02/27/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	02/27/14	JLI	SW8260	
Carbon Disulfide	0.92	J	5.7	0.92	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	02/27/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	02/27/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	02/27/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	02/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	02/27/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	02/27/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	02/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	02/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	02/27/14	JLI	SW8260	
Naphthalene	99	J	280	76	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.7	2.2	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.7	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.7	0.90	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.7	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	89			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1300	1000	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	1300	470	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	9400	1300	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	1300	740	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1300	890	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	9400	1900	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	1300	1200	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1300	740	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	3800	890	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	9400	4100	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	9400	2000	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	3800	880	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	1300	630	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	9400	630	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	9400	850	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	1300	590	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	9400	3800	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	1300	620	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	1600	1300	630	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	3800	1100	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	2300	1300	610	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	2200	1300	640	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1700	1300	610	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	760	J 1000	630	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	9400	3800	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	1300	490	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	1300	520	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1300	510	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	1300	520	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	9400	1400	ug/Kg	02/28/14	DD	SW 8270
Chrysene	2300	1300	630	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	1300	580	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	1300	500	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	1300	490	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	2300	1300	610	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	1300	620	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	1300	680	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	1300	580	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	830	J 1300	630	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	1300	720	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	1300	700	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	1300	710	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	2600	1300	540	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
Pyrene	5000	1300	650	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	1300	460	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	29			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	99			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	92			%	02/28/14	DD	23 - 120 %
% Phenol-d5	81			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	105			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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:**

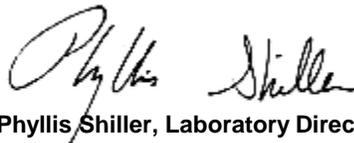
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13671

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB9 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	8340	39	7.8	mg/Kg	02/28/14	EK	SW6010
Arsenic	4.9	0.8	0.78	mg/Kg	02/28/14	EK	SW6010
Barium	272	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.31	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	20500	* 39	36	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.53	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.50	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	18.6	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	54.2	* 0.39	0.31	mg/kg	02/28/14	EK	SW6010
Iron	18700	39	39	mg/Kg	02/28/14	EK	SW6010
Mercury	0.53	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	831	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	3590	* 3.9	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	445	N 3.9	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	803	N 8	3.4	mg/Kg	02/28/14	EK	SW6010
Nickel	12.6	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	1160	7.8	2.4	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.6	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	143	* 0.8	0.39	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	61			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	5.3	5.3	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	5.3	5.3	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	3.0	3.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	80	80	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	125			%	02/28/14	MH	30 - 150 %
% TCMX	87			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	0.96	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.8	0.84	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	1.6	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.8	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.8	0.64	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.8	0.51	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.8	0.77	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.8	0.86	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.8	0.62	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.8	0.92	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.8	0.98	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.8	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.8	0.80	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.8	0.68	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	58	5.8	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.8	0.76	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.8	0.85	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.8	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.8	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.8	4.5	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.8	0.94	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.8	0.68	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.8	0.86	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.8	1.4	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.8	3.1	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.8	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.8	0.65	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.8	0.73	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.8	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.8	2.3	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	1.1	JS 5.8	0.96	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	8.1	5.8	1.6	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.8	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.8	2.2	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.8	1.7	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	2.4	J 5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.8	0.92	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.8	1.9	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	85			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	100			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	95			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	97	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	2000	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	2000	400	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	250	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	780	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	2000	850	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2000	420	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	780	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	2000	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	2000	180	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	170	J 270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	310	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	2000	790	ug/Kg	02/28/14	DD	SW 8270
Anthracene	660	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	2900	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	780	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3000	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4700	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1200	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1100	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	2000	780	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	470	J 2000	300	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3100	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	310	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	120	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	5200	270	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	190	J 270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1100	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	250	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	3000	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyrene	4900	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	96	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	84			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	79			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	81			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	02/28/14	DD	23 - 120 %
% Phenol-d5	76			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	81			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

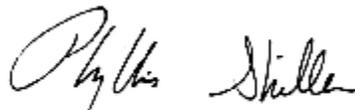
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: 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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13672

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB9 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	5360	33	6.6	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.5	0.7	0.66	mg/Kg	02/28/14	EK	SW6010
Barium	35.6	0.7	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.38	0.27	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	1250	* 33	31	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.18	B 0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.78	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	14.7	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	13.0	* 0.33	0.27	mg/kg	02/28/14	EK	SW6010
Iron	14000	33	33	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	1900	* 3.3	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	338	N 3.3	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	169	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Nickel	10.1	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	6.1	0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	20.7	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	21.8	* 0.7	0.33	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	79			%	02/28/14	AW	30 - 150 %
% TCMX	69			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83			%	02/28/14	MH	30 - 150 %
% TCMX	93			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.3	0.77	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.59	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.3	0.85	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.3	0.62	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	53	5.3	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.3	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.3	0.66	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.3	0.75	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.3	4.1	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.3	0.86	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.3	0.62	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.3	0.79	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.3	2.8	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.3	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.3	0.67	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.3	2.1	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.90	JS	5.3	0.87	ug/Kg	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.3	0.96	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.3	2.0	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.3	1.5	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.3	0.84	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.3	1.7	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	250	220	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	710	160	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	250	99	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	250	91	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	250	99	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	89			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	02/27/14	DD	23 - 120 %
% Phenol-d5	76			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	92			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

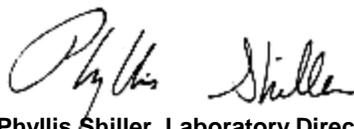
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13673

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB5 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12300	37	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	7.5	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	102	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	9120	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.64	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.51	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	56.5	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	30.5	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	22100	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.22	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1150	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2390	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	293	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	192	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.9	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	146	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.9	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	124	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	82			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93			%	02/28/14	AW	30 - 150 %
% TCMX	67			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	11	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	18	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	19	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	5.6	5.6	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	24	24	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	5.6	5.6	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	16	16	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	200	200	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102			%	02/28/14	MH	30 - 150 %
% TCMX	80			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.1	0.87	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.1	0.60	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	6.1	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB5 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	300	61	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	300	43	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	300	61	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	300	44	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	300	82	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.1	1.6	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	300	34	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.1	0.54	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.1	0.87	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	300	40	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	300	45	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.1	0.65	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	300	48	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	300	49	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	30	2.7	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	300	42	ug/Kg	02/28/14	JLI	SW8260	
4-Chlorotoluene	ND	300	35	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	30	1.5	ug/Kg	02/28/14	JLI	SW8260	
Acetone	17	JS	61	6.1	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.4	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	300	40	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	6.1	0.89	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	6.1	0.76	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	6.1	0.85	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	6.1	4.7	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	4.4	J	6.1	0.99	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	6.1	0.71	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	6.1	0.90	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	6.1	1.4	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	6.1	1.1	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	6.1	3.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.1	1.3	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.1	0.66	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	6.1	0.68	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	6.1	0.77	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.1	1.6	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	6.1	1.1	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	300	64	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	300	59	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	6.1	2.4	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	37	5.3	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	1.7	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	1.0	JS	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	150	J	300	82	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	300	55	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	300	55	ug/Kg	02/28/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	6.1	2.3	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	300	44	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	300	57	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	6.1	1.8	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	300	49	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	95	J 300	64	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.5	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	6.1	0.96	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	610	570	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	2.0	J 6.1	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	6.1	1.4	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.1	0.95	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	6.1	2.0	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	91			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	86			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	280	99	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	2000	280	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	280	160	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280	190	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	2000	410	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	280	250	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	800	190	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	2000	870	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2000	430	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	800	190	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	2000	130	ug/Kg	02/28/14	DD	SW 8270

Client ID: SB5 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	2000	180	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	170	J 280	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	2000	810	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	610	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	800	240	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	770	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	1100	280	140	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	390	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	410	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	2000	800	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	280	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	190	J 280	120	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	2000	300	ug/Kg	02/28/14	DD	SW 8270
Chrysene	680	280	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	280	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	930	280	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	350	280	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	430	280	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Pyrene	1100	280	140	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	280	99	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	70			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	69			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	85			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	83			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	79			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

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

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

**Volatile Comment:**

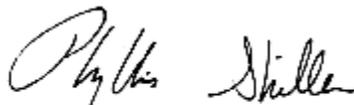
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13674

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB5 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12800	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.2	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	47.9	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.52	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1270	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.59	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	27.3	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	16.5	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	21100	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.08	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	878	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2080	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	173	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	74	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	15.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	14.8	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	35.0	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	70.0	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	69			%	02/28/14	AW	30 - 150 %
% TCMX	64			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	MH	30 - 150 %
% TCMX	84			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.96	JS	5.9	0.96	ug/Kg	JLI	SW8260
Naphthalene	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	7.4	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	94			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	99	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	96			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	98			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79			%	02/28/14	DD	23 - 120 %
% Phenol-d5	83			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	87			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

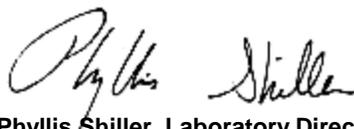
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13675

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	7410	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	5.8	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	240	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.41	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	51200 *	37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.64	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	3.80	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	22.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	30.3 *	0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	14500	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.30 N*	0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1090	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2730 *	3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	258	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	445	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.2	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	210	7.4	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	29.7	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	193 *	7.4	3.7	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	101			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	7.9	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	14	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	20	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	92	92	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	140			%	03/03/14	MH	30 - 150 %
% TCMX	98			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	7.5	JS 59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	82			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	96			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	540	420	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	540	190	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	3900	540	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	540	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	3900	780	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	540	490	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1500	370	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	3900	1700	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	3900	830	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	1500	360	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	540	260	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	3900	260	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	3900	350	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	270	J 540	220	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	3900	1600	ug/Kg	02/28/14	DD	SW 8270
Anthracene	590	540	250	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3000	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	1500	450	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3100	540	250	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4400	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1700	540	250	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1300	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	3900	1500	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	280	J 540	200	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	350	J 540	220	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	3900	590	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3200	540	260	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	410	J 540	250	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	540	200	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	6800	540	250	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	540	260	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	540	280	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1700	540	260	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	540	290	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	540	290	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	2300	540	220	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
Pyrene	6000	540	270	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	540	190	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	79			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	78			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	69			%	02/28/14	DD	23 - 120 %
% Phenol-d5	70			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	90			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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:**

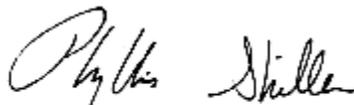
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13676

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB1 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.19	mg/Kg	02/28/14	EK	SW6010
Aluminum	5030	32	6.5	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.6	0.6	0.65	mg/Kg	02/28/14	EK	SW6010
Barium	33.0	0.6	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.36	0.26	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	1050	* 32	30	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.24	B 0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.88	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	13.1	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	13.5	* 0.32	0.26	mg/kg	02/28/14	EK	SW6010
Iron	16400	32	32	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	913	N 6	2.5	mg/Kg	02/28/14	EK	SW6010
Magnesium	1840	* 3.2	0.19	mg/Kg	02/28/14	EK	SW6010
Manganese	396	N 3.2	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	74	N 6	2.8	mg/Kg	02/28/14	EK	SW6010
Nickel	10.9	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	5.3	0.6	0.19	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	19.5	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	21.9	* 0.6	0.32	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	97			%	02/28/14	MH	30 - 150 %
% TCMX	98			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.64	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.64	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.94	JS	5.6	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	85			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	87			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	71			%	02/28/14	DD	23 - 120 %
% Phenol-d5	78			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	94			%	02/28/14	DD	18 - 137 %

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

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

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

**Comments:**

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

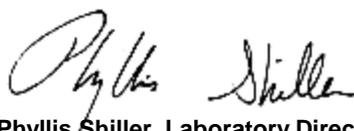
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13677

Project ID: BLOCK 3141 BRKLYN 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	02/28/14	EK	SW6010
Aluminum	11600	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	6.1	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	89.8	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.49	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	15200	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.27	B 0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.95	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	26.6	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	27.6	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	25200	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.23	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1130	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2210	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	348	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	212	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	97.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	123	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	54.3	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	81.3	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	86			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78			%	02/28/14	AW	30 - 150 %
% TCMX	62			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	7.5	7.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	11	11	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	11	11	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	15	15	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	116			%	03/03/14	MH	30 - 150 %
% TCMX	85			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	0.95	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.8	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.8	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.8	0.64	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.8	0.51	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.8	0.77	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.8	0.86	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.8	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.8	0.92	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.8	0.98	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.8	0.93	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.8	0.80	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.8	0.67	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	58	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.8	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.8	0.85	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.8	0.72	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.8	0.81	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.8	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.8	0.94	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.8	0.67	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.8	0.86	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.8	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.8	3.0	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.8	0.63	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.8	0.65	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.8	0.73	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.8	1.5	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.8	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.0	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.95	JS	5.8	0.95	ug/Kg	JLI	SW8260
Naphthalene	ND	5.8	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.8	1.0	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.8	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.8	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.8	0.92	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.8	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	92			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	96	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	420	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/28/14	DD	SW 8270
Anthracene	410	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	1400	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	1300	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	1600	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	800	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	580	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	370	J 1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	1600	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	170	J 270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	3400	270	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	660	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	160	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	1800	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	3000	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	90			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	91			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	02/28/14	DD	23 - 120 %
% Phenol-d5	84			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	102			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

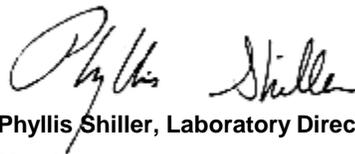
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: 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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13678

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB6 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6950	36	7.2	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.9	0.7	0.72	mg/Kg	02/28/14	EK	SW6010
Barium	49.2	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.29	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1180	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.20	B 0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.24	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	24.6	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	15.6	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	17000	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1420	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2170	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	285	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	228	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.5	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	5.1	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.2	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	28.6	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	92			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93			%	02/28/14	MH	30 - 150 %
% TCMX	99			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.48	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.72	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.91	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	9.3	JS 54	5.4	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.4	4.2	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.61	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.7	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.4	0.89	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.4	1.6	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	91			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	98			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	99			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	102			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	90			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	111			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

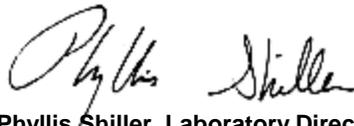
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

0:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13679

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6540	34	6.9	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.7	0.7	0.69	mg/Kg	02/28/14	EK	SW6010
Barium	45.1	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1690	* 34	32	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.37	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.15	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	25.8	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	17.6	* 0.34	0.28	mg/kg	02/28/14	EK	SW6010
Iron	26300	34	34	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1500	N 7	2.7	mg/Kg	02/28/14	EK	SW6010
Magnesium	1940	* 3.4	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	476	N 3.4	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	178	N 7	3.0	mg/Kg	02/28/14	EK	SW6010
Nickel	11.0	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	7.4	0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	38.7	0.3	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	25.6	* 0.7	0.34	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	MH	30 - 150 %
% TCMX	96			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.47	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.57	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.90	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.74	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	54	5.3	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.4	0.70	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.4	4.1	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.7	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.97	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	90			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	97			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzdine	ND	710	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	72			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	74			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	62			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	68			%	02/27/14	DD	23 - 120 %
% Phenol-d5	65			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	84			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

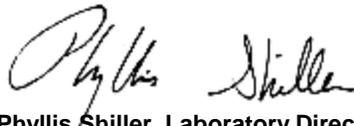
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	7300	2600	5600	5600	ug/Kg
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	7300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	7300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6800	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6800	2600	3900	3900	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	8300	2600	5600	5600	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	8300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	2600	500	500	ug/Kg
BG13661	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	2600	500	500	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	2600	560	560	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	330	330	ug/Kg
BG13665	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	980	270	500	500	ug/Kg
BG13665	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	980	270	500	500	ug/Kg
BG13665	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	405	7.3	400	400	mg/Kg
BG13665	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	405	7.3	400	400	mg/Kg
BG13667	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3600	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4200	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	260	500	500	ug/Kg
BG13667	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	500	500	ug/Kg

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG13667	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	370	260	330	330	330	ug/Kg
BG13667	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	370	260	330	330	330	ug/Kg
BG13669	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3500	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4300	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4300	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	270	500	500	500	ug/Kg
BG13669	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	270	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2200	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	830	1300	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	830	1300	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	1300	560	560	560	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	330	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	330	ug/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	20.8	0.7	16	16	16	mg/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	20.8	0.7	16	16	16	mg/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	20.8	0.7	16	16	16	mg/Kg
BG13671	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2900	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3100	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4700	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4700	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1100	270	500	500	500	ug/Kg
BG13671	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	270	500	500	500	ug/Kg

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1160	7.8	1000	1000	mg/Kg
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1160	7.8	400	400	mg/Kg
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1160	7.8	400	400	mg/Kg
BG13673	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	280	1000	1000	ug/Kg
BG13673	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	280	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3000	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3200	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4400	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4400	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3100	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3100	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	540	1000	1000	ug/Kg
BG13675	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	540	500	500	ug/Kg
BG13675	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	540	500	500	ug/Kg
BG13675	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	410	540	330	330	ug/Kg
BG13675	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	410	540	330	330	ug/Kg
BG13677	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1300	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	270	1000	1000	ug/Kg
BG13677	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	270	500	500	ug/Kg
BG13677	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	270	500	500	ug/Kg

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



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



# NY Temperature Narration

March 10, 2014

SDG I.D.: GBG13661

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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**



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 71 °C Pg 1 of 2

Data Delivery:

Fax #:

Email:

CSOSIK@phoenixlabs.com

Customer: EBC

Address: Ridge NY

Project: Block 341 Bklyn NY

Report to:

Invoice to:

Project P.O.:

Phone #: 631 504 6000

Fax #:

Sampler's Signature	Client Sample - Information - Identification		Date	Time Sampled	Analysis Request
	Phoenix Sample #	Customer Sample Identification			
	136661	S84 0-2	2-26	7:00	VOC 8760 BTEX 5906 PCBs 1788 TR Metals
	136662	S84 13-15		7:20	
	136663	S87 0-2		7:40	
	136664	S87 13-15		8:00	
	136665	S88 0-2		8:20	
	136666	S88 13-15		8:40	
	136667	S82 0-2		9:00	
	136668	S82 13-15		9:20	
	136669	S83 0-2		9:40	↓ ↓ ↓ ↓ ↓
	136670	S83 13-15		10:00	
	136671	S89 0-2		10:20	
	136672	S89 13-15		10:40	

Relinquished by: [Signature] Date: 2-27-11 Time: 11:36

Accepted by: [Signature] Date: 2-27-14 Time: 15:52

Comments, Special Requirements or Regulations:

Turnaround:  1 Day\*  2 Days\*  3 Days\*  5 Days  10 Days  Other

\* SURCHARGE APPLIES

State where samples were collected: NJ

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

Soil VOC [Methanol] [S. Gasoline] [H2O]  or

GL Soil container ( ) or

40 ml VOA vial [As is] [HCl]

PL As is [ 250ml ] [500ml ] [1000ml ]

PL H2SO4 [ 250ml ] [As is] [HCl]

PL HNO3 250ml

PL NeOH 250ml

Bacteria Bottle



**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 40C Pg 2 of 2

Data Delivery:  
 Fax #  
 Email:

CS&S/Environmental Labs

Customer: EBC  
 Address: Bridge NH

Project: Block 3141 Bklyn NY  
 Report to:  
 Invoice to:

Project P.O.:  
 Phone #: 631 504 6000  
 Fax #:

**Client Sample - Information - Identification**

Sampler's Signature: [Signature] Date: 2-26-14

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
13673	SBS 0-2	S	2-26	11:00
13674	Sb5 13-15			11:20
13675	Sb1 0-2			11:40
13676	Sb1 13-15			12:00
13677	Sb6 0-2			12:20
13678	Sb6 13-15			12:40
13679	Duplicate		2-26	

Analysis Request

*Handwritten: VOC 8260, SVOC 8270, THE METALS*

Soil VOC [Methanol] (S Bisulfite) [H2O]	8				
GL Soil container ( ) oz					
40 ml VOA val ( ) As Is [H2SO4]					
GL Amber 1000ml [As Is] [HCl]					
PL As Is [250ml] [500ml] [1000ml]					
PL H2SO4 [250ml] [500ml] [1000ml]					
PL HNO3 250ml					
PL NeOH 250ml					
Bacteria Bottle					

Relinquished by: [Signature] Accepted by: [Signature]

Date: 2-27-14 Time: 11:16  
2-27-14 15:52

Comments, Special Requirements or Regulations:

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

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

NY TOGS GA GW  
 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: NJ



Friday, December 19, 2014

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

Project ID: BLOCK 3141 BROOKLYN NY  
Sample ID#s: BH54042 - BH54045

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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



## SDG Comments

December 19, 2014

SDG I.D.: GBH54042

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



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

12:00  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54042

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 10 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Aluminum	7010	51	6.8	mg/Kg	12/17/14	LK	SW6010
Arsenic	1.5	0.7	0.68	mg/Kg	12/17/14	LK	SW6010
Barium	37.4	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.42	0.27	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	594 N	5.1	3.1	mg/Kg	12/17/14	LK	SW6010
Cadmium	< 0.34 *	0.34	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	6.45	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Chromium	15.9 *	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Copper	16.2	0.34	0.34	mg/kg	12/17/14	LK	SW6010
Iron	16300 *	51	34	mg/Kg	12/17/14	LK	SW6010
Mercury	< 0.07 N	0.07	0.04	mg/Kg	12/17/14	RS	SW-7471
Potassium	1280 N	5.1	2.7	mg/Kg	12/17/14	LK	SW6010
Magnesium	1990	5.1	3.4	mg/Kg	12/17/14	LK	SW6010
Manganese	335 N*	3.4	3.4	mg/Kg	12/17/14	LK	SW6010
Sodium	317 N	5.1	2.9	mg/Kg	12/17/14	LK	SW6010
Nickel	10.8	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Lead	5.08 *	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.4	3.4	1.7	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.1	3.1	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	23.9	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Zinc	24.5	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Percent Solid	93			%	12/16/14	i	SW846
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	91			%	12/17/14	AW	30 - 150 %
% TCMX	94			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	92			%	12/17/14	CE	30 - 150 %
% TCMX	91			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.3	0.76	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.46	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.83	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	5.3	0.84	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	26	2.4	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	5.3	0.61	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	26	1.3	ug/Kg	12/17/14	JLI	SW8260
Acetone	13	JS 50	5.2	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	5.3	0.68	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.77	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	5.3	0.65	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	5.3	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	5.3	4.1	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	5.3	0.85	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	5.3	0.61	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	5.3	0.78	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	5.3	1.2	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	5.3	2.8	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	5.3	0.59	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	5.3	0.66	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	5.3	2.1	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	1.9	JS 5.3	0.86	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260

1

B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	5.3	0.95	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	5.3	2.0	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	5.3	1.5	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	5.3	0.83	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	5.3	1.7	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	96			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	92			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	98			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	84			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	74			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	78			%	12/17/14	DD	23 - 120 %
% Phenol-d5	80			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	99			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

12:30  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54043

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 10 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Aluminum	11500	54	7.2	mg/Kg	12/17/14	LK	SW6010
Arsenic	4.5	0.7	0.72	mg/Kg	12/17/14	LK	SW6010
Barium	32.7	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.56	0.29	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	753	N 5.4	3.3	mg/Kg	12/17/14	LK	SW6010
Cadmium	< 0.36	* 0.36	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	8.95	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Chromium	20.8	* 0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Copper	18.8	0.36	0.36	mg/kg	12/17/14	LK	SW6010
Iron	23300	* 54	36	mg/Kg	12/17/14	LK	SW6010
Mercury	< 0.09	N 0.09	0.05	mg/Kg	12/17/14	RS	SW-7471
Potassium	1150	N 5.4	2.8	mg/Kg	12/17/14	LK	SW6010
Magnesium	2110	5.4	3.6	mg/Kg	12/17/14	LK	SW6010
Manganese	166	N* 3.6	3.6	mg/Kg	12/17/14	LK	SW6010
Sodium	224	N 5.4	3.1	mg/Kg	12/17/14	LK	SW6010
Nickel	13.8	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Lead	7.66	* 0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.6	3.6	1.8	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.2	3.2	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	32.3	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Zinc	29.6	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Percent Solid	88			%	12/16/14	i	SW846
Total Cyanide	0.433	B 0.57	0.28	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	90			%	12/17/14	AW	30 - 150 %
% TCMX	92			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	37	37	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	94			%	12/17/14	CE	30 - 150 %
% TCMX	95			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	28	2.6	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	12/17/14	JLI	SW8260
Acetone	6.3	JS 50	5.6	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	5.7	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	5.7	0.83	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	5.7	0.70	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	5.7	0.80	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	5.7	4.4	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	5.7	0.92	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	5.7	0.84	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	5.7	1.3	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	5.7	3.0	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	5.7	0.64	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	5.7	0.72	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	5.7	2.2	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	2.4	JS 5.7	0.93	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260

1

B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	5.7	2.2	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	5.7	1.6	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	5.7	0.90	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	5.7	1.8	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	96			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	103			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	750	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	750	220	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1900	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	260	92	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	90			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	78			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	76			%	12/17/14	DD	23 - 120 %
% Phenol-d5	78			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	94			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

13:00  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54044

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 11 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Aluminum	8570	52	6.9	mg/Kg	12/17/14	LK	SW6010
Arsenic	4.6	0.7	0.69	mg/Kg	12/17/14	LK	SW6010
Barium	98.7	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.43	0.28	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	33500	N 52	32	mg/Kg	12/17/14	LK	SW6010
Cadmium	0.93	* 0.35	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	4.96	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Chromium	17.1	* 0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Copper	33.7	0.35	0.35	mg/kg	12/17/14	LK	SW6010
Iron	18000	* 52	35	mg/Kg	12/17/14	LK	SW6010
Mercury	0.41	N 0.08	0.05	mg/Kg	12/17/14	RS	SW-7471
Potassium	1180	N 5.2	2.7	mg/Kg	12/17/14	LK	SW6010
Magnesium	4770	5.2	3.5	mg/Kg	12/17/14	LK	SW6010
Manganese	378	N* 3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Sodium	697	N 5.2	3.0	mg/Kg	12/17/14	LK	SW6010
Nickel	13.8	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Lead	176	3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.5	3.5	1.7	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.1	3.1	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	31.0	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Zinc	231	3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Percent Solid	88			%	12/16/14	i	SW846
Total Cyanide	0.425	B 0.52	0.26	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	440	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	79			%	12/17/14	AW	30 - 150 %
% TCMX	81			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	11	11	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	11	11	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	65	65	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	19	19	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	190	190	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	38	38	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	7.6	7.6	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	190	190	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	760	760	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	Diluted Out			%	12/17/14	CE	30 - 150 %
% TCMX	Diluted Out			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	6.0	0.98	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.0	0.58	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.0	0.86	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.0	0.66	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.0	0.53	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.0	0.79	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.0	0.88	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.0	0.63	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.0	0.94	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.0	1.0	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.0	0.95	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	30	2.7	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.0	0.82	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.0	0.69	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	30	1.4	ug/Kg	12/17/14	JLI	SW8260
Acetone	ND	50	5.9	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	12	3.4	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	6.0	0.78	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	6.0	0.87	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	6.0	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	6.0	0.84	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	6.0	4.6	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	6.0	0.97	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.0	0.69	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	6.0	0.88	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	6.0	1.4	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	6.0	3.1	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.0	0.64	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	6.0	0.67	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	6.0	0.75	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	6.0	2.4	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	36	5.2	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	1.7	JS 6.0	0.98	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	1200	280	75	ug/Kg	12/17/14	JLI	SW8260

1

B

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	6.0	2.3	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.0	0.86	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	6.0	1.7	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.0	0.95	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	68	J 280	59	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.4	ug/Kg	12/17/14	JLI	SW8260
Toluene	70	J 280	44	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.0	0.93	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	6.0	1.9	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	100			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	88			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	106			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	91			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	280	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1900	370	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	12/17/14	DD	SW 8270

Client ID: B 11 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	710	260	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	920	260	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Anthracene	2400	260	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	6600	1300	620	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	6000	1300	600	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	7800	1300	630	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	4600	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	2600	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1900	740	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	130	J 260	110	ug/Kg	12/17/14	DD	SW 8270
Carbazole	1000	J 1900	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	6300	1300	620	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	1100	260	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	600	260	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	14000	1300	600	ug/Kg	12/17/14	DD	SW 8270
Fluorene	980	260	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	4100	260	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	1100	260	110	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	9800	1300	530	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	12000	1300	640	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	85			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	76			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	81			%	12/17/14	DD	23 - 120 %
% Phenol-d5	74			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	57			%	12/17/14	DD	18 - 137 %

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

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

**Pesticide Comment:**

Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

13:30  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54045

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 11 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Aluminum	9310	56	7.5	mg/Kg	12/17/14	LK	SW6010
Arsenic	3.3	0.7	0.75	mg/Kg	12/17/14	LK	SW6010
Barium	391	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.50	0.30	0.15	mg/Kg	12/17/14	LK	SW6010
Calcium	20700	N 56	34	mg/Kg	12/17/14	LK	SW6010
Cadmium	8.53	* 0.37	0.15	mg/Kg	12/17/14	LK	SW6010
Cobalt	8.53	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Chromium	18.7	* 0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Copper	27.7	0.37	0.37	mg/kg	12/17/14	LK	SW6010
Iron	17800	* 56	37	mg/Kg	12/17/14	LK	SW6010
Mercury	0.13	N 0.07	0.04	mg/Kg	12/17/14	RS	SW-7471
Potassium	2240	N 5.6	2.9	mg/Kg	12/17/14	LK	SW6010
Magnesium	4310	5.6	3.7	mg/Kg	12/17/14	LK	SW6010
Manganese	390	N* 3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Sodium	210	N 5.6	3.2	mg/Kg	12/17/14	LK	SW6010
Nickel	14.1	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Lead	655	3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.7	3.7	1.9	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.4	3.4	1.5	mg/Kg	12/17/14	LK	SW6010
Vanadium	29.7	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Zinc	770	3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Percent Solid	89			%	12/16/14	i	SW846
Total Cyanide	0.316	B 0.56	0.28	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	79			%	12/17/14	AW	30 - 150 %
% TCMX	79			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	83			%	12/17/14	CE	30 - 150 %
% TCMX	81			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.6	0.64	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.6	0.95	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.6	1.8	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.6	1.7	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.6	0.72	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.6	0.58	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.6	0.87	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.6	0.97	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.6	0.70	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	33	3.0	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.6	0.91	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.6	0.76	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	33	1.6	ug/Kg	12/17/14	JLI	SW8260
Acetone	7.6	JS 50	6.5	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	13	3.7	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	6.6	0.85	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	6.6	0.96	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	6.6	0.82	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	6.6	0.92	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	6.6	5.1	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.6	0.76	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	6.6	0.97	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	6.6	1.5	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	6.6	3.4	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.6	0.71	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	6.6	0.74	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	6.6	0.83	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.6	1.7	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	6.6	2.6	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	39	5.7	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	3.0	JS 6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	6.6	1.8	ug/Kg	12/17/14	JLI	SW8260

1

B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	6.6	2.5	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.6	0.95	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	6.6	1.9	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	5.9	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.6	1.5	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	6.6	2.1	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	94			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	91			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	94	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	98	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	97	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	94	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	98			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	84			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	83			%	12/17/14	DD	23 - 120 %
% Phenol-d5	85			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	78			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



**Phyllis Shiller, Laboratory Director**

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

## Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBH54042 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH54044	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	260	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4100	260	500	500	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	260	330	330	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	6600	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6300	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7800	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6000	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7800	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6300	1300	3900	3900	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	260	330	330	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	6600	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	260	500	500	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7800	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	260	500	500	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6300	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6600	1300	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	330	330	ug/Kg
BH54044	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	800	800	ug/Kg
BH54044	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	440	38	100	100	ug/Kg
BH54044	\$PESTSMDPR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	20	20	ug/Kg
BH54044	\$PESTSMDPR	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	36	36	ug/Kg
BH54044	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BH54044	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BH54044	\$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	14	14	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	65	3.3	3.3	ug/Kg
BH54044	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.41	0.08	0.18	0.18	mg/Kg
BH54044	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	176	3.5	63	63	mg/Kg
BH54044	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	231	3.5	109	109	mg/Kg
BH54045	BA-SM	Barium	NY / 375-6.8 Metals / Residential	391	0.37	350	350	mg/Kg
BH54045	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	391	0.37	350	350	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	8.53	0.37	2.5	2.5	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	8.53	0.37	4.3	4.3	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	8.53	0.37	2.5	2.5	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Residential	655	3.7	400	400	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	655	3.7	400	400	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	655	3.7	63	63	mg/Kg
BH54045	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	770	3.7	109	109	mg/Kg

# Sample Criteria Exceedences Report

## GBH54042 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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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.**  
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Tel. (860) 645-1102 Fax (860) 645-0823



# NY Temperature Narration

December 19, 2014

SDG I.D.: GBH54042

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



**ATTACHMENT B**  
**SOIL BORING LOGS**























**ATTACHMENT C**  
**GROUNDWATER SAMPLING LOGS**

## GROUNDWATER PURGE / SAMPLE LOGS



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.:     MW1    

Date:     3/27/2014    

Well Depth (from TOC):     50    

Equipment:     Check Valve    

Static Water Level (from TOC):     42    

Field Personnel:     Kevin Waters    

Height of Water in Well:     8    

Gallons of Water per Well Volume:     0.32    

Flow Rate:     400ml/min.    

Time (mins)	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	8:00	400ml/min	0					turbid
5.00	8:05	400ml/min	0.55					turbid
10.00	8:15	400ml/min	1.1					turbid
15.00	8:20	400ml/min	1.65					clear
20.00	8:25	400ml/min	2.2					clear
25.00	8:30	400ml/min	2.75					clear
30.00	8:35	400ml/min	3.3					clear
	8:40							Collected Sample MW1

Note 400 ml = 0.11 gallons

## GROUNDWATER PURGE / SAMPLE LOGS



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.:     MW2    

Date:           3/27/2014          

Well Depth (from TOC):           50          

Equipment:           Check Valve          

Static Water Level (from TOC):           42          

Field Personnel:           Kevin Waters          

Height of Water in Well:           8          

Gallons of Water per Well Volume:           0.32          

Flow Rate:           400ml/min.          

Time (mins)	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	8:45	400ml/min	0					turbid
2.00	8:47	400ml/min	0.22					turbid
4.00	8:49	400ml/min	0.44					turbid
6.00	8:51	400ml/min	0.66					clear
8.00	8:53	400ml/min	0.88					clear
	8:55							Collected Sample MW2

Note 400 ml = 0.11 gallons

## GROUNDWATER PURGE / SAMPLE LOGS



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.:     MW4    

Date:           3/27/2014          

Well Depth (from TOC):           50          

Equipment:           Check Valve          

Static Water Level (from TOC):           42          

Field Personnel:           Kevin Waters          

Height of Water in Well:           8          

Gallons of Water per Well Volume:           0.32          

Flow Rate:           400ml/min.          

Time (mins)	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	9:00	400ml/min	0					turbid
5.00	9:05	400ml/min	0.55					turbid
10.00	9:10	400ml/min	1.1					turbid
15.00	9:15	400ml/min	1.65					clear
20.00	9:20	400ml/min	2.2					clear
25.00	9:25	400ml/min	2.75					clear
	9:30							Collected Sample MW4

Note 400 ml = 0.11 gallons

## GROUNDWATER PURGE / SAMPLE LOGS



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.:     MW5    

Date:     3/27/2014    

Well Depth (from TOC):     50    

Equipment:     Check Valve    

Static Water Level (from TOC):     42    

Field Personnel:     Kevin Waters    

Height of Water in Well:     8    

Gallons of Water per Well Volume:     0.32    

Flow Rate:     400ml/min.    

Time (mins)	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	9:35	400ml/min	0					turbid
5.00	9:40	400ml/min	0.55					turbid
10.00	9:45	400ml/min	1.1					turbid
15.00	9:50	400ml/min	1.65					clear
20.00	9:55	400ml/min	2.2					clear
	10:00							Collected Sample MW5

Note 400 ml = 0.11 gallons

## GROUNDWATER PURGE / SAMPLE LOGS



**ENVIRONMENTAL BUSINESS CONSULTANTS**

Well I.D.:     MW6    

Date:     3/27/2014    

Well Depth (from TOC):     50    

Equipment:     Check Valve    

Static Water Level (from TOC):     42    

Field Personnel:     Kevin Waters    

Height of Water in Well:     8    

Gallons of Water per Well Volume:     0.32    

Flow Rate:     400ml/min.    

Time (mins)	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	DO (mg/L)	Comments
0.00	10:05	400ml/min	0					turbid
5.00	10:10	400ml/min	0.55					turbid
10.00	10:15	400ml/min	1.1					turbid
15.00	10:20	400ml/min	1.65					clear
20.00	10:25	400ml/min	2.2					clear
	10:30							Collected Sample MW5

Note 400 ml = 0.11 gallons

**ATTACHMENT D**  
**SOIL GAS SAMPLING LOGS**

CHAIN OF CUSTODY RECORD



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

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

P.O. # \_\_\_\_\_ Page 1 of 2  
 Data Delivery:  Fax # \_\_\_\_\_  
 Email: File  
 Phone # \_\_\_\_\_

Report to: \_\_\_\_\_  
 Customer: EBC  
 Address: Edge NY

Invoice to: EBC

Project Name: Wrentham Bushwick NY

Requested Deliverable: RCP  ASP CAT B   
 MCP  NJ Deliverables

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Settling (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX		ANALYSES
													Soil Gas	Grab (G) Composite (C)	
37380	BL3139 Sg3	4402	6.0	-30	-3	4977	41.6	914	1057	4.24	-29	-6	X	X	
37381	BL3139 Sg4	490			-6	5357		916	1140		-30	-8			
37382	BL3141 Sg6	13642			-10	5350		946	1112		-30	-8			
37383	BL3139 Sg2	12860			-5	4986		918	1100		-27	-5			
37384	BL3141 Sg4 Did not use	457			-3	4959		924	1106		-30	-6			
37385	BL3139 Sg-1 Did not use	492			-4	4956		912	1101		-30	-7			
37386	BL3141 Sg2	365			-5	3408		938	1110		-28	-7			
37387	BL3141 Sg7	12854			-4	4495		926	1156		-30	-8			

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accepted by: [Signature] Date: 4-25-14  
 Data Format:  Excel  Equis  GISKey   
 PDF  Other: \_\_\_\_\_

SPECIAL INSTRUCTIONS, REQUIREMENTS, REGULATORY INFORMATION:  
60L 2hr (10f2)  
 \*Did not receive Canister. Did not receive regulators. (MFD)

Requested Criteria: \_\_\_\_\_  
 Quote Number: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.



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](mailto:greg@phoenixlabs.com)

P.O. #

Page 2 of 2

Data Delivery:

Fax #:

Email: F.10

Phone #:

Report to:	Invoice to: <u>EBC</u>		Project Name: <u>Kheigold - Bushwick NY</u>		Ambient/Indoor Air		Soil Gas		Grab (G) Composite (C)		TO-14		TO-15		
Customer: <u>EBC</u>	Requested Deliverable: <input type="checkbox"/> RCP <input type="checkbox"/> MCP <input type="checkbox"/> ASP CAT B <input type="checkbox"/> NJ Deliverables <input type="checkbox"/>		State where samples collected: <u>NY</u>		Canister Pressure at Start ("Hg)		Canister Pressure at End ("Hg)		Sampling End Time		Sampling Start Time		Sample Start Date		
Address: <u>Ridge NY</u>	Sampled by: <u>kw</u>		THIS SECTION FOR LAB USE ONLY		Outgoing Canister Pressure ("Hg)		Incoming Canister Pressure ("Hg)		Flow Regulator ID #		Flow Controller Setting (mL/min)		Canister Pressure at End ("Hg)		
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)	MATRIX	ANALYSES	
	<u>Started w/ -15 sodiod not use</u>	<u>488</u>	<u>6.0</u>	<u>-30</u>	<u>315</u>	<u>41.0</u>				<u>4-24</u>			<u>X</u>	<u>X</u>	
	<u>Did not use</u>	<u>12868</u>			<u>5352</u>									<u>X</u>	
	<u>BL3141 Sg-1</u>	<u>494</u>			<u>-6</u>			<u>950</u>	<u>1114</u>		<u>-26</u>	<u>-7</u>		<u>X</u>	
	<u>BL3141 Sg-5</u>	<u>12864</u>			<u>-6</u>			<u>954</u>	<u>1116</u>		<u>-29</u>	<u>-8</u>		<u>X</u>	
Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>4-25-14</u>	Time: <u>7:40</u>	Date: <u>4-25-14</u>	Time: <u>16:33</u>	Data Format: <input checked="" type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> Other: <input type="checkbox"/>	Requested Criteria		Requested Criteria		Requested Criteria		Requested Criteria		
SPECIAL INSTRUCTIONS, REQUIREMENTS, REGULATORY INFORMATION: <u>QL 2hr (2 of 2)</u> <u>* canister and regulator received not used.</u> <u>0 Did not receive canister or regulator.</u>															
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: _____	



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. # \_\_\_\_\_ Page 1 of 1  
 Data Delivery:  Fax #:  
 Email: File  
 Phone #:

Report to: Kevin Waters  
 Customer: EBC  
 Address: 1808 Middle Country Rd  
L. J. N7

Invoice to: EBC

Project Name: 930Fishing Site B Bracklyn, M

Requested Deliverable: RCP  ASP CAT B   
 MCP  NJ Deliverables

State where samples collected: N7

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)	MATRIX		
													Soil Gas	Grab (G) Composite (C)	
		474	6.0	-30	5350	41.7									
		365	6.0	-30	4003	31									
		227	6.0	-30	5356	X									
66384	Sg 1-20-15	492	6.0	-30	0	4959	41.7	1042	1244	1-20-15	-30	-9	X	X	

Relinquished by: [Signature] Date: 1-22-15  
 Accepted by: [Signature] Date: 1-22-15

Data Format:  Excel  Equis  GISKey   
 PDF  Other:

Requested Criteria

Quote Number: \_\_\_\_\_ Date: \_\_\_\_\_

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

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.

**ATTACHMENT E**  
**LABORATORY REPORTS IN DIGITAL**  
**FORMAT**



Thursday, May 01, 2014

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

Project ID: RHEINGOLD BUSHWICK NY  
Sample ID#s: BG37380 - BG37389

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,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 10:57  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37380

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	3.21	0.183	17.5	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.21	0.204	15.8	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1	0.204	4.91	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.6	0.166	3.60	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.52	0.204	2.55	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.33	0.244	1.35	1.00	04/28/14	KCA	TO15
Acetone	99.1	0.421	235	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.62	0.313	1.98	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.38	0.321	7.40	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.05	0.040	0.314	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	0.97	0.205	4.73	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	4.32	0.291	14.9	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.48	0.202	2.37	1.00	04/28/14	KCA	TO15
Ethanol	40.8	0.531	76.8	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.85	0.278	3.06	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	0.42	0.230	1.82	1.00	04/28/14	KCA	TO15
Heptane	1.99	0.244	8.15	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	1.5	0.284	5.28	1.00	04/28/14	KCA	TO15
Isopropylalcohol	15.4	0.407	37.8	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.22	0.204	1.08	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.2	0.230	5.21	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	22.6	0.339	66.6	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.46	0.182	2.52	1.00	04/28/14	KCA	TO15 1
o-Xylene	0.54	0.230	2.34	1.00	04/28/14	KCA	TO15
Propylene	50	0.581	86.0	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	0.2	0.182	1.10	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.18	0.037	1.22	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.08	0.266	19.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.09	0.047	0.483	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.6	0.178	8.98	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	109	%	109	%	04/28/14	KCA	TO15

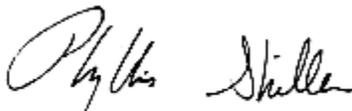
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:40  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37381

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	0.21	0.183	1.14	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.12	0.204	15.3	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.91	0.204	4.47	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.85	0.166	5.11	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.64	0.204	3.14	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	10.8	0.182	59.2	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	198	0.421	470	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.82	0.313	2.62	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	0.82	0.321	2.55	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.64	0.205	8.00	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.89	0.291	3.06	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.02	0.202	5.04	1.00	04/28/14	KCA	TO15
Ethanol	15.2	0.531	28.6	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	2.88	0.230	12.5	1.00	04/28/14	KCA	TO15
Heptane	4.72	0.244	19.3	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	3.09	0.284	10.9	1.00	04/28/14	KCA	TO15
Isopropylalcohol	14.5	0.407	35.6	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.28	0.204	1.38	1.00	04/28/14	KCA	TO15
m,p-Xylene	8.94	0.230	38.8	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	20.8	0.339	61.3	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.48	0.182	2.63	1.00	04/28/14	KCA	TO15
o-Xylene	3.55	0.230	15.4	1.00	04/28/14	KCA	TO15
Propylene	10.2	0.581	17.5	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	0.29	0.235	1.23	1.00	04/28/14	KCA	TO15
Tetrachloroethene	3.64	0.037	24.7	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	10.4	0.266	39.2	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.05	0.047	0.268	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.7	0.178	9.54	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

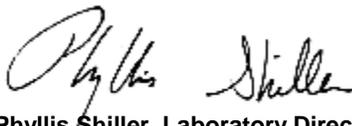
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:12  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37382

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.26	0.204	16.0	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.09	0.204	5.36	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.49	0.166	2.94	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.65	0.204	3.19	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.39	0.182	2.14	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	1300	0.421	3090	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	1.36	0.313	4.34	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	0.2	0.149	1.34	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.44	0.321	7.59	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.07	0.040	0.440	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	117	0.205	571	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.27	0.291	7.81	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.3	0.202	6.42	1.00	04/28/14	KCA	TO15
Ethanol	66	0.531	124	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	2.31	0.230	10.0	1.00	04/28/14	KCA	TO15
Heptane	9.72	0.244	39.8	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	7.89	0.284	27.8	1.00	04/28/14	KCA	TO15
Isopropylalcohol	99	0.407	243	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.31	0.204	1.52	1.00	04/28/14	KCA	TO15
m,p-Xylene	7.36	0.230	31.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	198	0.339	584	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	7.57	0.288	26.3	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.47	0.182	2.58	1.00	04/28/14	KCA	TO15
o-Xylene	2.59	0.230	11.2	1.00	04/28/14	KCA	TO15
Propylene	95	0.581	163	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	0.24	0.182	1.32	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.39	0.037	2.64	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	13.6	0.266	51.2	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.13	0.047	0.698	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.62	0.178	3.48	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	Interference	%	Interference	%	04/28/14	KCA	TO15

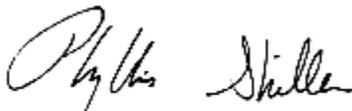
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:00  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37383

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	10.7	0.183	58.3	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	0.46	0.247	1.86	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.17	0.204	15.6	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.89	0.204	4.37	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.89	0.166	5.35	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.72	0.204	3.54	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.2	0.182	1.10	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	118	0.421	280	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	0.44	0.321	1.37	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.04	0.040	0.251	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	ND	0.205	ND	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.67	0.291	2.30	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	1.07	0.202	5.29	1.00	04/28/14	KCA	TO15
Ethanol	9.84	0.531	18.5	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.36	0.278	1.30	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	1.81	0.230	7.85	1.00	04/28/14	KCA	TO15
Heptane	1.81	0.244	7.41	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	3.06	0.284	10.8	1.00	04/28/14	KCA	TO15
Isopropylalcohol	3.94	0.407	9.68	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.22	0.204	1.08	1.00	04/28/14	KCA	TO15
m,p-Xylene	6.44	0.230	27.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	15.9	0.339	46.9	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.87	0.288	3.02	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.42	0.182	2.30	1.00	04/28/14	KCA	TO15 1
o-Xylene	2.39	0.230	10.4	1.00	04/28/14	KCA	TO15
Propylene	8.41	0.581	14.5	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.26	0.037	1.76	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.05	0.266	19.0	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	1.06	0.178	5.95	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

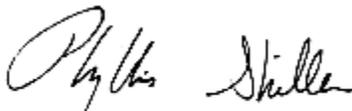
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:06  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37384

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	1.28	0.183	6.98	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.47	0.204	12.1	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.88	0.204	4.32	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	7.21	0.244	29.5	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.48	0.204	2.36	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.29	0.182	1.59	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	311	0.421	738	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Client ID: BL 3141 SG-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.49	0.321	4.64	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.25	0.205	6.10	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	1.04	0.291	3.58	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.44	0.202	2.17	1.00	04/28/14	KCA	TO15
Ethanol	23.1	0.531	43.5	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	1.06	0.230	4.60	1.00	04/28/14	KCA	TO15
Heptane	3.26	0.244	13.4	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.61	0.284	9.19	1.00	04/28/14	KCA	TO15
Isopropylalcohol	28.3	0.407	69.5	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	3.91	0.230	17.0	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	87.6	0.339	258	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.39	0.182	2.14	1.00	04/28/14	KCA	TO15
o-Xylene	1.5	0.230	6.51	1.00	04/28/14	KCA	TO15
Propylene	19	0.581	32.7	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	9.03	0.037	61.2	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	4.28	0.266	16.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.09	0.047	0.483	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.82	0.178	4.60	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

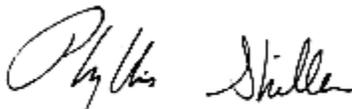
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:01  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37385

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3139 SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	5.84	0.183	31.8	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.32	0.204	11.4	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.73	0.204	3.59	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.47	0.166	2.82	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.43	0.204	2.11	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.22	0.182	1.21	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.32	0.244	1.31	1.00	04/28/14	KCA	TO15
Acetone	232	0.421	551	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.88	0.313	2.81	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.81	0.321	8.74	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.11	0.040	0.692	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.01	0.205	4.93	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.74	0.291	9.42	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.53	0.202	2.62	1.00	04/28/14	KCA	TO15
Ethanol	34.6	0.531	65.2	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	0.46	0.278	1.66	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	0.46	0.230	2.00	1.00	04/28/14	KCA	TO15
Heptane	3.21	0.244	13.1	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	4.31	0.284	15.2	1.00	04/28/14	KCA	TO15
Isopropylalcohol	24	0.407	59.0	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.24	0.230	5.38	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	38.7	0.339	114	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15 1
o-Xylene	0.53	0.230	2.30	1.00	04/28/14	KCA	TO15
Propylene	26.4	0.581	45.4	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.34	0.037	2.30	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	5.34	0.266	20.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.76	0.178	4.27	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	0.25	0.130	1.91	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

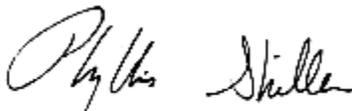
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

## Date

04/24/14  
 04/25/14

## Time

11:10  
 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37386

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,1-Trichloroethane	0.47	0.183	2.56	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	1.88	0.204	9.24	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.63	0.204	3.10	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.19	0.166	1.14	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
4-Ethyltoluene	0.39	0.204	1.92	1.00	04/28/14	KCA	TO15
4-Isopropyltoluene	0.21	0.182	1.15	1.00	04/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	320	0.421	760	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.83	0.313	2.65	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.84	0.321	8.84	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	2.39	0.205	11.7	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	1.39	0.291	4.78	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.53	0.202	2.62	1.00	04/28/14	KCA	TO15
Ethanol	27	0.531	50.8	1.00	04/28/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15 1
Ethylbenzene	1.17	0.230	5.08	1.00	04/28/14	KCA	TO15
Heptane	3.8	0.244	15.6	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.73	0.284	9.62	1.00	04/28/14	KCA	TO15
Isopropylalcohol	15	0.407	36.8	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	3.44	0.230	14.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	42.4	0.339	125	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.28	0.182	1.54	1.00	04/28/14	KCA	TO15 1
o-Xylene	1.18	0.230	5.12	1.00	04/28/14	KCA	TO15
Propylene	10.9	0.581	18.7	1.00	04/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.45	0.037	3.05	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15 1
Toluene	8.15	0.266	30.7	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.25	0.178	1.40	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	104	%	104	%	04/28/14	KCA	TO15

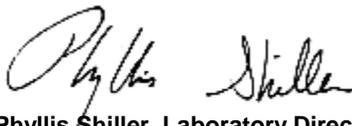
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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**Phyllis Shiller, Laboratory Director**

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:56  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37387

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-7

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	5.08	0.204	25.0	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.47	0.204	7.22	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	2.13	0.166	12.8	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	2.48	0.244	10.2	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	1.12	0.204	5.50	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.35	0.182	1.92	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.35	0.244	1.43	1.00	04/28/14	KCA	TO15
Acetone	435	0.421	1030	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.92	0.313	2.94	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.16	0.321	3.61	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	1.46	0.205	7.12	1.00	04/28/14	KCA	TO15
Chloromethane	0.74	0.484	1.53	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.7	0.291	9.29	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	0.49	0.202	2.42	1.00	04/28/14	KCA	TO15
Ethanol	40.6	0.531	76.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	1.56	0.230	6.77	1.00	04/28/14	KCA	TO15
Heptane	3	0.244	12.3	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	4.43	0.284	15.6	1.00	04/28/14	KCA	TO15
Isopropylalcohol	41.5	0.407	102	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.32	0.204	1.57	1.00	04/28/14	KCA	TO15
m,p-Xylene	5.5	0.230	23.9	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	67	0.339	197	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.3	0.288	1.04	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.59	0.182	3.24	1.00	04/28/14	KCA	TO15
o-Xylene	2.19	0.230	9.50	1.00	04/28/14	KCA	TO15
Propylene	53.8	0.581	92.5	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	0.25	0.037	1.69	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	6.51	0.266	24.5	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	0.06	0.047	0.322	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	0.24	0.178	1.35	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

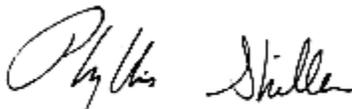
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:14  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37388

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.44	0.204	16.9	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.15	0.204	5.65	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.79	0.166	4.75	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.67	0.204	3.29	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.45	0.182	2.47	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.42	0.244	1.72	1.00	04/28/14	KCA	TO15
Acetone	116	0.421	275	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	0.47	0.313	1.50	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	1.16	0.321	3.61	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	4.77	0.205	23.3	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	2.82	0.291	9.70	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	2.24	0.202	11.1	1.00	04/28/14	KCA	TO15
Ethanol	20.9	0.531	39.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Ethylbenzene	0.7	0.230	3.04	1.00	04/28/14	KCA	TO15
Heptane	2.18	0.244	8.93	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	2.94	0.284	10.4	1.00	04/28/14	KCA	TO15
Isopropylalcohol	12.9	0.407	31.7	1.00	04/28/14	KCA	TO15
Isopropylbenzene	0.26	0.204	1.28	1.00	04/28/14	KCA	TO15
m,p-Xylene	1.92	0.230	8.33	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	11	0.339	32.4	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.31	0.288	1.08	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.51	0.182	2.80	1.00	04/28/14	KCA	TO15
o-Xylene	0.81	0.230	3.52	1.00	04/28/14	KCA	TO15
Propylene	8.13	0.581	14.0	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	0.25	0.182	1.37	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	9.36	0.037	63.4	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	5.6	0.266	21.1	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	18.9	0.047	102	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	7.03	0.178	39.5	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	109	%	109	%	04/28/14	KCA	TO15

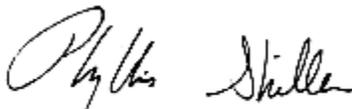
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**May 01, 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

# Analysis Report

May 01, 2014

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

## Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: SW  
 Analyzed by: see "By" below

Date Time  
 04/24/14 11:16  
 04/25/14 16:43

## Laboratory Data

SDG ID: GBG37380  
 Phoenix ID: BG37389

Project ID: RHEINGOLD BUSHWICK NY  
 Client ID: BL 3141 SG-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
<b>Volatiles (TO15)</b>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.28	0.204	11.2	1.00	04/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	04/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	04/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.69	0.204	3.39	1.00	04/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	04/28/14	KCA	TO15
1,3-Dichlorobenzene	0.57	0.166	3.42	1.00	04/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	04/28/14	KCA	TO15
2-Hexanone(MBK)	0.44	0.244	1.80	1.00	04/28/14	KCA	TO15 1
4-Ethyltoluene	0.35	0.204	1.72	1.00	04/28/14	KCA	TO15 1
4-Isopropyltoluene	0.26	0.182	1.43	1.00	04/28/14	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Acetone	34.9	0.421	82.8	1.00	04/28/14	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	04/28/14	KCA	TO15
Benzene	ND	0.313	ND	1.00	04/28/14	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	04/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	04/28/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	04/28/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	04/28/14	KCA	TO15
Carbon Disulfide	2.39	0.321	7.44	1.00	04/28/14	KCA	TO15
Carbon Tetrachloride	0.04	0.040	0.251	0.25	04/28/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	04/28/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	04/28/14	KCA	TO15
Chloroform	0.25	0.205	1.22	1.00	04/28/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	04/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Cyclohexane	0.75	0.291	2.58	1.00	04/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	04/28/14	KCA	TO15
Dichlorodifluoromethane	9.61	0.202	47.5	1.00	04/28/14	KCA	TO15
Ethanol	9.78	0.531	18.4	1.00	04/28/14	KCA	TO15
Ethyl acetate	0.32	0.278	1.15	1.00	04/28/14	KCA	TO15
Ethylbenzene	0.24	0.230	1.04	1.00	04/28/14	KCA	TO15
Heptane	ND	0.244	ND	1.00	04/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	04/28/14	KCA	TO15
Hexane	0.83	0.284	2.92	1.00	04/28/14	KCA	TO15
Isopropylalcohol	3.38	0.407	8.30	1.00	04/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	04/28/14	KCA	TO15
m,p-Xylene	0.78	0.230	3.38	1.00	04/28/14	KCA	TO15
Methyl Ethyl Ketone	5.28	0.339	15.6	1.00	04/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/28/14	KCA	TO15
Methylene Chloride	0.48	0.288	1.67	1.00	04/28/14	KCA	TO15
n-Butylbenzene	0.38	0.182	2.08	1.00	04/28/14	KCA	TO15
o-Xylene	0.4	0.230	1.74	1.00	04/28/14	KCA	TO15
Propylene	3.27	0.581	5.62	1.00	04/28/14	KCA	TO15
sec-Butylbenzene	ND	0.182	ND	1.00	04/28/14	KCA	TO15
Styrene	ND	0.235	ND	1.00	04/28/14	KCA	TO15
Tetrachloroethene	40.9	0.037	277	0.25	04/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	04/28/14	KCA	TO15
Toluene	1.51	0.266	5.69	1.00	04/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	04/28/14	KCA	TO15
Trichloroethene	6.75	0.047	36.2	0.25	04/28/14	KCA	TO15
Trichlorofluoromethane	62.4	0.178	350	1.00	04/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	04/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	04/28/14	KCA	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	106	%	106	%	04/28/14	KCA	TO15

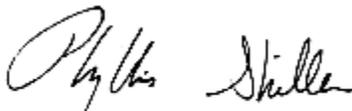
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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**Phyllis Shiller, Laboratory Director**

**May 01, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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



# QA/QC Report

May 01, 2014

## QA/QC Data

SDG I.D.: GBG37380

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
QA/QC Batch 272863, QC Sample No: BG37380 (BG37380 (5X) , BG37381, BG37382, BG37383, BG37384, BG37385, BG37386, BG37387, BG37388, BG37389)										
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	92	17.5	17.1	3.21	3.13	2.5	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	126	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	114	15.8	15.5	3.21	3.16	1.6	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	113	4.91	4.81	1	0.98	2.0	70 - 130	20
1,3-Butadiene	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	118	3.60	3.54	0.6	0.59	1.7	70 - 130	20
1,4-Dichlorobenzene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	113	2.55	2.36	0.52	0.48	8.0	70 - 130	20
4-Isopropyltoluene	ND	ND	115	1.81	1.92	0.33	0.35	5.9	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	94	1.39	1.31	0.34	0.32	6.1	70 - 130	20
Acetone	ND	ND	79	218	219	91.9	92.4	0.5	70 - 130	20
Acrylonitrile	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	89	1.98	1.95	0.62	0.61	1.6	70 - 130	20
Benzyl chloride	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	85	7.40	7.50	2.38	2.41	1.3	70 - 130	20
Carbon Tetrachloride	ND	ND	90	0.314	0.314	0.05	0.05	0.0	70 - 130	20
Chlorobenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	87	4.73	4.83	0.97	0.99	2.0	70 - 130	20
Chloromethane	ND	ND	75	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	85	14.9	15.0	4.32	4.37	1.2	70 - 130	20
Dibromochloromethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	91	2.27	2.67	0.46	0.54	16.0	70 - 130	20

QA/QC Data

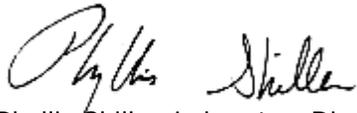
SDG I.D.: GBG37380

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	ND	73	76.8	78.3	40.8	41.6	1.9	70 - 130	20
Ethyl acetate	ND	ND	89	3.06	3.35	0.85	0.93	9.0	70 - 130	20
Ethylbenzene	ND	ND	112	1.78	1.78	0.41	0.41	0.0	70 - 130	20
Heptane	ND	ND	88	8.15	7.99	1.99	1.95	2.0	70 - 130	20
Hexachlorobutadiene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	84	5.28	5.78	1.5	1.64	8.9	70 - 130	20
Isopropylalcohol	ND	ND	85	37.8	38.6	15.4	15.7	1.9	70 - 130	20
Isopropylbenzene	ND	ND	115	ND	1.03	ND	0.21	NC	70 - 130	20
m,p-Xylene	ND	ND	114	5.21	5.12	1.2	1.18	1.7	70 - 130	20
Methyl Ethyl Ketone	ND	ND	81	66.6	66.3	22.6	22.5	0.4	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	69	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	120	2.52	2.52	0.46	0.46	0.0	70 - 130	20
o-Xylene	ND	ND	112	2.34	2.34	0.54	0.54	0.0	70 - 130	20
Propylene	ND	ND	79	88.6	90.8	51.5	52.8	2.5	70 - 130	20
sec-Butylbenzene	ND	ND	114	1.10	1.04	0.2	0.19	5.1	70 - 130	20
Styrene	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	113	1.15	1.22	0.17	0.18	5.7	70 - 130	20
Tetrahydrofuran	ND	ND	87	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	106	19.1	18.9	5.08	5.03	1.0	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	104	ND	0.430	ND	0.08	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	90	8.98	8.98	1.6	1.6	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	84	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	79	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	107	107	102	109	107	109	107	1.9	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
- LCS D - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

  
 Phyllis Shiller, Laboratory Director  
 May 01, 2014

# Sample Criteria Exceedences Report

**GBG37380 - EBC**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* 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.



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. # \_\_\_\_\_ Page 1 of 2  
 Data Delivery:  Fax # \_\_\_\_\_  
 Email: File  
 Phone # \_\_\_\_\_

Report to: \_\_\_\_\_  
 Customer: EBC  
 Address: Edge NY

Invoice to: EBC  
 Project Name: Remedial Bushwick NY  
 Requested Deliverable: RCP  ASP CAT B   
 MCP  NJ Deliverables   
 State where samples collected: NY

Sampled by: KW

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Settling (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)				
37380	BL3139 Sg3	4402	6.0	-30	-3	4977	41.6	914	1057	4.24	-29	-6	X		
37381	BL3139 Sg4	490			-6	5357		916	1140		-30	-8			
37382	BL3141 Sg6	13642			-10	5350		946	1112		-30	-8			
37383	BL3139 Sg2	12860			-5	4986		918	1100		-27	-5			
37384	BL3141 Sg4 Did not use	457			-3	4959		924	1106		-30	-6			
37385	BL3139 Sg-1 Did not use	492			-4	0331		912	1101		-30	-7			
37386	BL3141 Sg2	471			-5	3108		938	1110		-28	-7			
37387	BL3141 Sg7	12854			-4	4495		976	1156		-30	-8			

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accepted by: [Signature] Date: 4-25-14  
 Data Format:  Excel  Equis  GISKey   
 PDF  Other: \_\_\_\_\_

SPECIAL INSTRUCTIONS, REQUIREMENTS, REGULATORY INFORMATION:  
60L 2hr (10f2)  
 \*Did not receive Canister. Did not receive regulators. (MFD)

Requested Criteria: \_\_\_\_\_  
 Quote Number: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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.





Thursday, April 10, 2014

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

Project ID: BLOCK 3141 BKLYN,NY  
Sample ID#s: BG24581 - BG24586

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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



**NY ANALYTICAL SERVICES PROTOCOL  
DATA PACKAGE**

**Client: Environmental Business Consultants**  
**Project: BLOCK 3141 BKLYN,NY**  
**Laboratory Project: GBG24581**



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



# NY Analytical Services Protocol Format

April 10, 2014

SDG I.D.: GBG24581

Environmental Business Consultants BLOCK 3141 BKLYN,NY

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## SDG Comments

### 8081 Pesticides:

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

### 8260 Volatile Organics:

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

### 8270 Semivolatile Organics:

Full Scan Report:

Hexachlorobutadiene, and nitrobenzene were reported from the SIM analysis.

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

## Methodology Summary

### **Metals**

ICP :

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

Mercury:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

### **Pesticides:**

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

### **Polychlorinated Biphenyls (PCBs):**

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

### **Semivolatile Organic Compounds**

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

### **Volatile Organics**

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

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



# NY Analytical Services Protocol Format

April 10, 2014

SDG I.D.: GBG24581

Environmental Business Consultants BLOCK 3141 BKLYN,NY

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## Sample Id Cross Reference

Client Id	Lab Id	Matrix
BL3141 MW 1	BG24581	GROUND WATER
BL3141 MW 2	BG24582	GROUND WATER
BL3141 MW 4	BG24583	GROUND WATER
BL3141 MW 5	BG24584	GROUND WATER
BL3141 MW 6	BG24585	GROUND WATER
DUPLICATE	BG24586	GROUND WATER

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



# **NY Analytical Services Protocol Format**

**April 10, 2014**

**SDG I.D.: GBG24581**

**Environmental Business Consultants BLOCK 3141 BKLYN,NY**

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## **Laboratory Chronicle**

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

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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

8:45  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24581

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	120	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.030	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	1.65	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.008	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	97.0	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.009	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.315	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.604	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.676	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.51	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.057	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	65.6	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	0.000	B 0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.008	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.003	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.73	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	7.0	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	25.2	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	3.22	0.053	0.011	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	92.9	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.017	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.007	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	388	0.10	0.050	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	31.0	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	83.0	0.10	0.010	mg/L	04/02/14	LK	SW6010
Manganese	29.4	0.50	0.10	mg/L	04/02/14	LK	SW6010
Sodium	90.3	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.459	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.258	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.308	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.951	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

### Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	03/31/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	03/31/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	03/31/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	03/31/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	03/31/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	03/31/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	03/31/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	53			%	03/31/14	CE	SW8081
%TCMX (Surrogate Rec)	74			%	03/31/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	37			%	03/29/14	AW	30 - 150 %
% TCMX	45			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	0.31	J 1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	1.1	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	2.8	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	11	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	0.39	J 5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	9.8	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	100			%	03/30/14	RM	70 - 130 %
% Toluene-d8	97			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	89			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	71			%	04/02/14	DD	23 - 120 %
% Phenol-d5	73			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	84			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	97			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	94			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	76			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	98			%	04/01/14	DD	23 - 120 %
% Phenol-d5	75			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	128			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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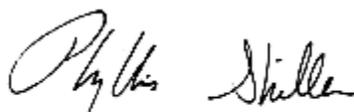
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

9:00  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24582

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	41.5	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.010	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.666	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.003	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	81.8	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.003 B	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.086 *	0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.200	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.188 *	0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005 N	0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.54	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.055	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	70.4	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.001 B	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002 B*	0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.70	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	3.9	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	21.7	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.290	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	104	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.003	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	115	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	12.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	39.9	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	6.09	0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	97.5	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.119	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.075	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.099	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.206	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	58			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	86			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/31/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/31/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	37			%	03/31/14	AW	30 - 150 %
% TCMX	48			%	03/31/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	0.42	J 5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	0.77	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	1.2	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	0.69	J 1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	107			%	03/30/14	RM	70 - 130 %
% Toluene-d8	101			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	92			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	79			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	58			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	04/02/14	DD	23 - 120 %
% Phenol-d5	37			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	84			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.05	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.02	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	105			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	93			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	96			%	04/01/14	DD	23 - 120 %
% Phenol-d5	40			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	130			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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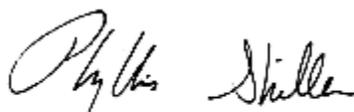
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

9:30  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24583

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	60.4	0.10	0.024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	0.016	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.834	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	0.004	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	91.5	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.119	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.211	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.267	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.02	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.098	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	80.9	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	< 0.005	* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.08	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	6.2	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	27.0	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.086	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	95.7	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.004	B 0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.021	0.021	0.011	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.006	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	184	0.10	0.050	mg/L	04/02/14	LK	SW6010
Mercury	0.0004	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	17.5	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	54.3	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	9.10	0.050	0.010	mg/L	04/02/14	LK	SW6010
Sodium	86.2	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.172	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.081	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium	0.166	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.503	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	70			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	78			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	40			%	03/29/14	AW	30 - 150 %
% TCMX	38			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	2.1	J 5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	2.0	J 5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	1.1	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	0.56	J 1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	0.88	J 1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	99			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	95			%	03/30/14	RM	70 - 130 %
% Toluene-d8	99			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	98			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	64			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	74			%	04/02/14	DD	23 - 120 %
% Phenol-d5	62			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	91			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	101			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	59			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	93			%	04/01/14	DD	23 - 120 %
% Phenol-d5	56			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	131			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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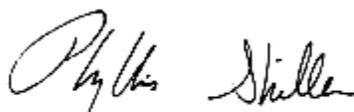
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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**

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

Date            Time  
 03/27/14        10:00  
 03/28/14        15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24584

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.577	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.050	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	175	0.10	0.030	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	0.002	B* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.006	* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.02	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.045	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	168	0.11	0.032	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	0.001	B 0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.003	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.45	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	18.7	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	23.2	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.310	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	46.2	0.11	0.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.006	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	0.012	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.036	0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	1.46	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	18.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	24.8	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.322	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	46.1	0.1	0.1	mg/L	04/02/14	LK	SW6010
Nickel	0.008	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	0.006	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	0.011	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.054	0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050
<b>Pesticides</b>							
4,4' -DDD	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.75	0.75	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.15	0.15	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.050	0.050	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	1.0	1.0	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	2.0	2.0	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	38			%	03/29/14	AW	30 - 150 %
% TCMX	35			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	ND	5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	0.43	J 1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	104			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	90			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	108			%	03/30/14	RM	70 - 130 %
% Toluene-d8	100			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	2.1	J 5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	112			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	81			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	59			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	70			%	04/02/14	DD	23 - 120 %
% Phenol-d5	58			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	81			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.49	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	0.42	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	0.27	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.32	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	3	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.47	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.21	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	1.4	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	92			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	56			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	88			%	04/01/14	DD	23 - 120 %
% Phenol-d5	55			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	119			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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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 Quantitation) 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.

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.

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

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**Phyllis Shiller, Laboratory Director**

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

10:30  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24585

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: BL3141 MW 6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.080	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.105	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	135	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	< 0.005	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.002	B* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.01	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.102	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	131	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.07	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	8.1	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	43.1	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.362	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	83.6	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.005	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	0.31	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	7.2	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	45.0	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.339	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	82.5	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.005	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.004	B 0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	90			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	76			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	36			%	03/29/14	AW	30 - 150 %
% TCMX	37			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	ND	5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	0.62	J 1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	8.5	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	3.3	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	98			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	94			%	03/30/14	RM	70 - 130 %
% Toluene-d8	97			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	95			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	39			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	66			%	04/02/14	DD	23 - 120 %
% Phenol-d5	39			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	78			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	102			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	84			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	40			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	93			%	04/01/14	DD	23 - 120 %
% Phenol-d5	40			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	113			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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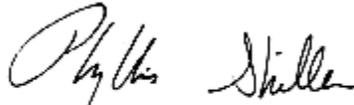
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

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

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

April 10, 2014

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

## Sample Information

Matrix: GROUND WATER  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by:  
 Received by: LPB  
 Analyzed by: see "By" below

## Date

03/27/14  
 03/28/14

## Time

0:00  
 15:57

## Laboratory Data

SDG ID: GBG24581  
 Phoenix ID: BG24586

Project ID: BLOCK 3141 BKLYN,NY  
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.0006	mg/L	04/02/14	LK	SW6010
Aluminum	0.080	0.010	0.0024	mg/L	04/02/14	LK	SW6010
Arsenic - LDL	< 0.004	0.004	0.001	mg/L	04/02/14	LK	SW6010
Barium	0.104	0.010	0.0003	mg/L	04/02/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	04/02/14	LK	SW6010
Calcium	133	0.010	0.003	mg/L	04/02/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	04/02/14	LK	SW6010
Cobalt	< 0.005	* 0.005	0.0003	mg/L	04/02/14	LK	SW6010
Chromium	0.003	0.001	0.0009	mg/L	04/02/14	LK	SW6010
Copper	0.002	B* 0.005	0.001	mg/L	04/02/14	LK	SW6010
Silver (Dissolved)	< 0.005	N 0.005	0.0006	mg/L	04/01/14	EK	SW6010
Aluminum (Dissolved)	0.03	0.01	0.0026	mg/L	04/01/14	EK	SW6010
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	04/01/14	EK	SW6010
Barium (Dissolved)	0.111	0.011	0.0003	mg/L	04/01/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	04/01/14	EK	SW6010
Calcium (Dissolved)	130	0.01	0.003	mg/L	04/01/14	EK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	04/01/14	EK	SW6010
Cobalt, (Dissolved)	< 0.005	0.005	0.0003	mg/L	04/01/14	EK	SW6010
Chromium (Dissolved)	0.002	0.001	0.0010	mg/L	04/01/14	EK	SW6010
Copper, (Dissolved)	0.002	B* 0.005	0.001	mg/L	04/01/14	EK	SW6010
Iron, (Dissolved)	0.10	0.01	0.005	mg/L	04/01/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium (Dissolved)	8.1	0.1	0.1	mg/L	04/01/14	EK	SW6010
Magnesium (Dissolved)	43.3	0.01	0.001	mg/L	04/01/14	EK	SW6010
Manganese, (Dissolved)	0.352	0.005	0.001	mg/L	04/01/14	EK	SW6010
Sodium (Dissolved)	83.2	1.1	1.1	mg/L	04/01/14	EK	SW6010
Nickel, (Dissolved)	0.005	0.004	0.0005	mg/L	04/01/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	04/01/14	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	04/01/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	04/01/14	EK	SW6010
Zinc, (Dissolved)	0.007	B 0.011	0.001	mg/L	04/01/14	EK	SW6010
Iron	0.23	0.01	0.005	mg/L	04/02/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/31/14	RS	SW7470
Potassium	7.1	0.1	0.1	mg/L	04/02/14	LK	SW6010
Magnesium	44.3	0.01	0.001	mg/L	04/02/14	LK	SW6010
Manganese	0.329	0.005	0.001	mg/L	04/02/14	LK	SW6010
Sodium	82.9	1.0	1.0	mg/L	04/02/14	LK	SW6010
Nickel	0.004	0.004	0.0005	mg/L	04/02/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	04/02/14	LK	SW6010
Antimony	< 0.003	0.003	0.003	mg/L	04/02/14	RS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	RS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	04/02/14	TH	7010
Vanadium	< 0.010	0.010	0.001	mg/L	04/02/14	LK	SW6010
Zinc	0.004	B 0.010	0.001	mg/L	04/02/14	LK	SW6010
Filtration	Completed				03/28/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/31/14	I/I	SW7470
Mercury Digestion	Completed				03/31/14	I/I	SW7470
PCB Extraction	Completed				03/28/14	LB	SW3510C
Extraction for Pest (2 Liter)	Completed				03/28/14	LB	SW3510
Semi-Volatile Extraction	Completed				03/28/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/28/14	AG	SW846-3005
Total Metals Digestion	Completed				03/28/14	AG	SW846 - 3050

**Pesticides**

4,4' -DDD	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.075	0.075	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.030	0.030	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.015	0.015	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.005	0.005	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.20	0.20	ug/L	04/01/14	CE	SW8081
<b><u>QA/QC Surrogates</u></b>							
%DCBP (Surrogate Rec)	129			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	82			%	04/01/14	CE	SW8081
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1221	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1232	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1242	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1248	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1254	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1260	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1262	ND	0.072	0.072	ug/L	03/29/14	AW	8082
PCB-1268	ND	0.072	0.072	ug/L	03/29/14	AW	8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	31			%	03/29/14	AW	30 - 150 %
% TCMX	41			%	03/29/14	AW	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Acetone	ND	5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	0.73	J 5.0	0.22	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	0.62	J 1.0	0.23	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/30/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	3.0	0.16	ug/L	03/30/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	8.6	1.0	0.24	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/30/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/30/14	RM	SW8260
Trichloroethene	3.4	1.0	0.18	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/30/14	RM	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	99			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	106			%	03/30/14	RM	70 - 130 %
% Toluene-d8	100			%	03/30/14	RM	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dichlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dimethylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	04/02/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
2-Chlorophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
2-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
2-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1.0	2.0	ug/L	04/02/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	04/02/14	DD	SW 8270
3-Nitroaniline	ND	5.0	5.0	ug/L	04/02/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
4-Chloroaniline	ND	3.5	2.3	ug/L	04/02/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitroaniline	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
4-Nitrophenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Aniline	ND	3.5	5.0	ug/L	04/02/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Benzidine	ND	5	2.9	ug/L	04/02/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	04/02/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	04/02/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	04/02/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	04/02/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	04/02/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	04/02/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	04/02/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	1.0	1.4	ug/L	04/02/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	04/02/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	04/02/14	DD	SW 8270
Phenol	ND	1.0	1	ug/L	04/02/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	04/02/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	04/02/14	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	109			%	04/02/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	04/02/14	DD	30 - 115 %
% 2-Fluorophenol	57			%	04/02/14	DD	25 - 121 %
% Nitrobenzene-d5	71			%	04/02/14	DD	23 - 120 %
% Phenol-d5	58			%	04/02/14	DD	24 - 113 %
% Terphenyl-d14	66			%	04/02/14	DD	18 - 137 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	1.5	J 1.6	1.4	ug/L	04/01/14	DD	SW8270 (SIM)
Chrysene	0.02	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	04/01/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	04/01/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	04/01/14	DD	SW8270 (SIM)
<b><u>QA/QC Surrogates</u></b>							
% 2,4,6-Tribromophenol	93			%	04/01/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	04/01/14	DD	30 - 115 %
% 2-Fluorophenol	54			%	04/01/14	DD	25 - 121 %
% Nitrobenzene-d5	91			%	04/01/14	DD	23 - 120 %
% Phenol-d5	53			%	04/01/14	DD	24 - 113 %
% Terphenyl-d14	100			%	04/01/14	DD	18 - 137 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

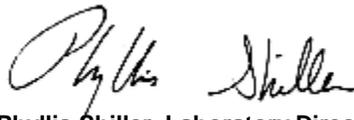
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

**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.

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.

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

**April 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**

# Sample Criteria Exceedences Report

## GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24581	\$8260DP25R	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	9.8	1.0	5	5	ug/L
BG24581	\$8260DP25R	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	9.8	1.0	5	5	ug/L
BG24581	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24581	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	11	1.0	5	5	ug/L
BG24581	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	11	1.0	5	5	ug/L
BG24581	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24581	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24581	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24581	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24581	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24581	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	120	0.10	0.1	0.1	mg/L
BG24581	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.030	0.004	0.025	0.025	mg/L
BG24581	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	1.65	0.010	1	1	mg/L
BG24581	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.008	0.001	0.003	0.003	mg/L
BG24581	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.009	0.004	0.005	0.005	mg/L
BG24581	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.604	0.001	0.05	0.05	mg/L
BG24581	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.676	0.005	0.2	0.2	mg/L
BG24581	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.51	0.01	0.1	0.1	mg/L
BG24581	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.73	0.01	0.3	0.3	mg/L
BG24581	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	3.22	0.053	0.3	0.3	mg/L
BG24581	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	92.9	1.1	20	20	mg/L
BG24581	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	388	0.10	0.3	0.3	mg/L
BG24581	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	83.0	0.10	35	35	mg/L
BG24581	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	29.4	0.50	0.3	0.3	mg/L
BG24581	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	90.3	1.0	20	20	mg/L
BG24581	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.459	0.004	0.1	0.1	mg/L
BG24581	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.258	0.002	0.025	0.025	mg/L
BG24582	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24582	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24582	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24582	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L

# Sample Criteria Exceedences Report

Criteria: NY: GW

**GBG24581 - EBC**

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24582	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24582	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24582	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24582	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	41.5	0.10	0.1	0.1	mg/L
BG24582	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.200	0.001	0.05	0.05	mg/L
BG24582	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.54	0.01	0.1	0.1	mg/L
BG24582	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.70	0.01	0.3	0.3	mg/L
BG24582	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	104	1.1	20	20	mg/L
BG24582	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	115	0.01	0.3	0.3	mg/L
BG24582	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	39.9	0.01	35	35	mg/L
BG24582	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	6.09	0.050	0.3	0.3	mg/L
BG24582	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	97.5	1.0	20	20	mg/L
BG24582	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.119	0.004	0.1	0.1	mg/L
BG24582	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.075	0.002	0.025	0.025	mg/L
BG24583	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG24583	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24583	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG24583	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24583	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24583	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24583	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	60.4	0.10	0.1	0.1	mg/L
BG24583	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.004	0.001	0.003	0.003	mg/L
BG24583	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.211	0.001	0.05	0.05	mg/L
BG24583	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	0.267	0.005	0.2	0.2	mg/L
BG24583	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	95.7	1.1	20	20	mg/L

# Sample Criteria Exceedences Report

Criteria: NY: GW

**GBG24581 - EBC**

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG24583	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	184	0.10	0.3	0.3		mg/L
BG24583	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	54.3	0.01	35	35		mg/L
BG24583	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	9.10	0.050	0.3	0.3		mg/L
BG24583	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	86.2	1.0	20	20		mg/L
BG24583	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.172	0.004	0.1	0.1		mg/L
BG24583	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.081	0.002	0.025	0.025		mg/L
BG24584	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24584	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24584	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24584	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.49	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.47	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.47	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.32	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.32	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.42	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.21	0.02	0.002	0.002		ug/L
BG24584	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.21	0.02	0.002	0.002		ug/L
BG24584	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	b-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	d-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.15	0.1	0.1		ug/L
BG24584	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.15	0.05	0.05		ug/L
BG24584	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.015	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.015	0.004	0.004		ug/L
BG24584	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.04	0.04		ug/L
BG24584	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01		ug/L
BG24584	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.03	0.03		ug/L
BG24584	\$DPPEST_GA	Alachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.75	0.5	0.5		ug/L
BG24584	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.06	0.06		ug/L
BG24584	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.577	0.010	0.1	0.1		mg/L
BG24584	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.45	0.01	0.3	0.3		mg/L
BG24584	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.310	0.005	0.3	0.3		mg/L

# Sample Criteria Exceedences Report

## GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BG24584	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	46.2	0.11	20	20		mg/L
BG24584	DSE-WMDP	Selenium, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.012	0.004	0.01	0.01		mg/L
BG24584	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1.46	0.01	0.3	0.3		mg/L
BG24584	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.322	0.005	0.3	0.3		mg/L
BG24584	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	46.1	0.1	20	20		mg/L
BG24584	SE-WMDP	Selenium	NY / TOGS - Water Quality / GA Criteria	0.011	0.004	0.01	0.01		mg/L
BG24585	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24585	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.5	1.0	5	5		ug/L
BG24585	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	8.5	1.0	5	5		ug/L
BG24585	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24585	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24585	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG24585	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG24585	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06		ug/L
BG24585	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	43.1	0.01	35	35		mg/L
BG24585	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.362	0.005	0.3	0.3		mg/L
BG24585	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	83.6	1.1	20	20		mg/L
BG24585	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	0.31	0.01	0.3	0.3		mg/L
BG24585	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	45.0	0.01	35	35		mg/L
BG24585	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.339	0.005	0.3	0.3		mg/L
BG24585	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	82.5	1.0	20	20		mg/L
BG24586	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG24586	\$8260DP25R	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	8.6	1.0	5	5		ug/L
BG24586	\$8260DP25R	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	8.6	1.0	5	5		ug/L
BG24586	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24586	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG24586	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002		ug/L
BG24586	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L

## Sample Criteria Exceedences Report

### GBG24581 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG24586	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BG24586	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BG24586	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BG24586	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	43.3	0.01	35	35	mg/L
BG24586	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.352	0.005	0.3	0.3	mg/L
BG24586	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	83.2	1.1	20	20	mg/L
BG24586	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	44.3	0.01	35	35	mg/L
BG24586	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.329	0.005	0.3	0.3	mg/L
BG24586	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	82.9	1.0	20	20	mg/L

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



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



# NY Temperature Narration

April 10, 2014

SDG I.D.: GBG24581

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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

4 WPC + Pump



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

Client Services (860) 645-8726

Data Delivery:  
 Fax #:  
 Email:

Customer: EBL Project: Block 3141 Bklyn NY Project P.O.:  
 Address: 21030 NY Report to:  
 Invoice to:

Sampler's Signature: [Signature] Date: 3-27-11  
 Analysis Request: TR 5262 TR 5263 TR 5264 TR 5265 TR 5266 TR 5267 TR 5268 TR 5269 TR 5270 TR 5271 TR 5272 TR 5273 TR 5274 TR 5275 TR 5276 TR 5277 TR 5278 TR 5279 TR 5280 TR 5281 TR 5282 TR 5283 TR 5284 TR 5285 TR 5286 TR 5287 TR 5288 TR 5289 TR 5290

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
24581	BL3141 MW 1	GW	3-27	845
24582	BL3141 MW 2			900
24583	BL3141 MW 4			930
24584	BL3141 MW 5			1000
24585	BL3141 MW 6			1030
24586	Duplicate			

Relinquished by: [Signature] Accepted by: [Signature]  
 Date: 3-28-11 Time: 10:05  
 Date: 3-28-11 Time: 15:57

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

State where samples were collected: NY

Comments, Special Requirements or Regulations:  
 \* ADIANT RCV PLASTIC ASIS FOR MW4  
 \*\* RCVD (2) PLASTIC ASIS, INSTEAD OF 1 (TF)

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



Monday, March 10, 2014

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

Project ID: BLOCK 3141 BRKLYN NY  
Sample ID#s: BG13661 - BG13679

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13661

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB4 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6810	36	7.2	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.9	0.7	0.72	mg/Kg	02/28/14	EK	SW6010
Barium	69.3	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.40	0.29	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	19600	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.40	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.35	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	17.4	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	29.4	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	16300	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.52	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1110	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	5780	* 36	2.2	mg/Kg	02/28/14	EK	SW6010
Manganese	351	N 3.6	1.4	mg/Kg	02/28/14	LK	SW6010
Sodium	254	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.9	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	121	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.1	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	80.5	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	91			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	AW	30 - 150 %
% TCMX	72			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	13	13	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	8.9	8.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	71	71	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	890	890	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	165			%	03/03/14	MH	30 - 150 %
% TCMX	115			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260

Client ID: SB4 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.60	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.48	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.77	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.72	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.81	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.58	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.86	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.91	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.87	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.75	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.63	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	21	JS 54	5.4	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.4	0.71	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.4	0.76	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.4	4.2	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.88	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.63	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.81	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.4	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.59	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.4	0.69	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.7	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.95	JS 5.4	0.89	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	5.4	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.99	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.98	ug/Kg	02/27/14	JLI	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.4	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.4	0.86	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	87			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	96			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	2600	2000	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	2600	910	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	18000	2600	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2600	1700	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	18000	3700	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	2600	2300	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	7300	1700	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	18000	8000	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	18000	3900	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	7300	1700	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	18000	1200	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	18000	1700	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	18000	7400	ug/Kg	02/28/14	DD	SW 8270
Anthracene	3100	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	7300	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	7300	2200	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	6000	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	8300	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	3100	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	2300	J 2600	1200	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	18000	7300	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	2600	940	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	2600	990	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	18000	2800	ug/Kg	02/28/14	DD	SW 8270
Chrysene	6800	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	2600	970	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	2600	940	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	17000	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Fluorene	1200	J 2600	1200	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	2700	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	2600	1100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	2600	1300	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	2600	1000	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	2600	1400	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	2400	1400	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	16000	2600	1000	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	2600	1200	ug/Kg	02/28/14	DD	SW 8270
Pyrene	13000	2600	1300	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	2600	900	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	*Diluted Out			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	*Diluted Out			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	*Diluted Out			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	*Diluted Out			%	02/28/14	DD	23 - 120 %
% Phenol-d5	*Diluted Out			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	*Diluted Out			%	02/28/14	DD	18 - 137 %

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

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

**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.

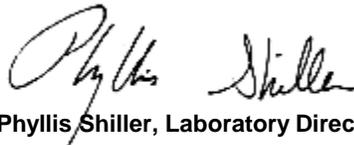
**Semi-Volatile Comment:**

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.  
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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13662

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB4 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.23	mg/Kg	02/28/14	EK	SW6010
Aluminum	6160	38	7.5	mg/Kg	02/28/14	EK	SW6010
Arsenic	2.7	0.8	0.75	mg/Kg	02/28/14	EK	SW6010
Barium	44.2	0.8	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.55	0.30	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1650	* 38	35	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.38	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	7.06	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	18.0	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	20.5	* 0.38	0.30	mg/kg	02/28/14	EK	SW6010
Iron	24100	38	38	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 8	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	1760	* 3.8	0.23	mg/Kg	02/28/14	EK	SW6010
Manganese	524	N 3.8	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	167	N 8	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.4	0.38	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	7.2	0.8	0.23	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.9	1.9	1.9	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.9	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	27.1	* 0.8	0.38	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	69			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94			%	02/28/14	MH	30 - 150 %
% TCMX	87			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.64	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.91	JS	5.6	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzdine	ND	730	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	94	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	75			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	73			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	68			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	68			%	02/27/14	DD	23 - 120 %
% Phenol-d5	68			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	83			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

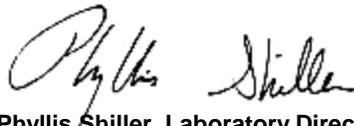
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

7:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13663

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB7 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12500	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	9.5	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	159	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1790	* 36	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.61	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	7.51	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	24.6	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	38.2	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	30800	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.47	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	954	N 73	28	mg/Kg	02/28/14	EK	SW6010
Magnesium	2520	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	535	N 3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	419	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	15.7	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	292	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	37.2	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	157	* 7.3	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	88			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	105			%	02/28/14	MH	30 - 150 %
% TCMX	101			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.50	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.74	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.95	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.71	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.97	JS	5.6	0.92	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	89			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	130	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	130	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	170	J 260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1900	740	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	96	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1900	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	150	J 260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	280	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	130	J 260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	260	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	86			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	79			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79			%	02/27/14	DD	23 - 120 %
% Phenol-d5	75			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	110			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

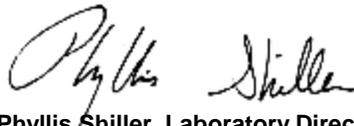
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13664

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB7 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6790	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.8	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	36.9	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.54	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1360	* 36	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.33	B 0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.53	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	25.7	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	23.7	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	24800	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.09	N* 0.09	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1690	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2520	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	342	N 3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	167	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.8	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	6.2	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	47.8	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	28.0	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	89			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81			%	02/28/14	AW	30 - 150 %
% TCMX	74			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	105			%	02/28/14	MH	30 - 150 %
% TCMX	95			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.92	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.74	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.94	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.83	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.71	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.96	JS	5.6	0.92	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	94			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	86			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	86			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	02/27/14	DD	23 - 120 %
% Phenol-d5	77			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	103			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

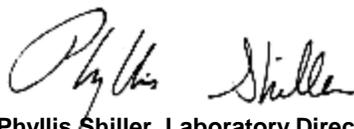
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13665

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB8 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	7700	36	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	9.2	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	222	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.48	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	12700 *	36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	1.23	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.71	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	20.1	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	63.5 *	0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	21300	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.55 N*	0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	911 N	7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	4520 *	3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	306 N	3.6	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	225 N	7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	25.8	0.36	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	405	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.0	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	260 *	7.3	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87			%	02/28/14	AW	30 - 150 %
% TCMX	65			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	7.6	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	11	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	17	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.7	7.7	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	108			%	02/28/14	MH	30 - 150 %
% TCMX	92			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB8 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	60	J 290	59	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	290	59	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	290	79	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	290	32	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	290	39	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	290	44	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	290	46	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	290	47	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	290	41	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	290	34	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	20	JS 59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	290	38	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	290	62	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	290	56	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	52	JS 290	48	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	290	79	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	290	54	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	290	53	ug/Kg	02/28/14	JLI	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	290	42	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	290	55	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	290	47	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	590	550	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	72			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	91			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	96	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	170	J 270	120	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	120	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/27/14	DD	SW 8270
Anthracene	580	270	130	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	2000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	2200	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	3000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	1100	270	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	1000	270	130	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/27/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	99	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	190	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	360	J 1900	290	ug/Kg	02/27/14	DD	SW 8270
Chrysene	2200	270	130	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	240	J 270	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	140	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	270	99	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	4300	270	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	160	J 270	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	980	270	130	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	170	J 270	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	2500	270	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	4000	270	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	97			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	90			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	92			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	84			%	02/27/14	DD	23 - 120 %
% Phenol-d5	85			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	97			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

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

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

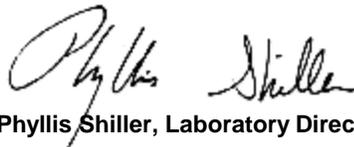
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

**Volatile Comment:**

There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

8:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13666

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB8 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	12700	40	7.9	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.8	0.8	0.79	mg/Kg	02/28/14	EK	SW6010
Barium	59.3	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.32	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	1320	* 40	36	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.24	B 0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	9.76	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	45.0	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	21.9	* 0.40	0.32	mg/kg	02/28/14	EK	SW6010
Iron	24900	40	40	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	2610	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	5840	* 4.0	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	1060	N 4.0	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	222	N 8	3.4	mg/Kg	02/28/14	EK	SW6010
Nickel	23.8	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	5.6	0.8	0.24	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	53.4	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	60.2	* 0.8	0.40	mg/Kg	02/28/14	EK	SW6010
Percent Solid	89			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	99			%	02/28/14	MH	30 - 150 %
% TCMX	94			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.55	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.65	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	ND	5.6	0.91	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	170	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	750	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	72			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	72			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	65			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	70			%	02/27/14	DD	23 - 120 %
% Phenol-d5	63			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	87			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

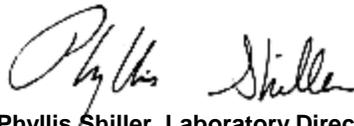
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13667

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB2 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6660	36	7.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	4.8	0.7	0.71	mg/Kg	02/28/14	EK	SW6010
Barium	145	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.51	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	25500 *	36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.45	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.52	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	28.0	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	22.2 *	0.36	0.28	mg/kg	02/28/14	EK	SW6010
Iron	16900	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.29 N*	0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1360	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	5120 *	3.6	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	495	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	425	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.7	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	239	7.1	2.1	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	28.5	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	150 *	7.1	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	7.3	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	7.9	2.6	2.6	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	4.3	4.3	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	65	65	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	124			%	03/03/14	MH	30 - 150 %
% TCMX	88			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	280	56	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	280	39	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	280	56	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	280	40	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	280	74	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	280	31	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	0.48	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	280	37	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	280	41	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	0.58	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	0.92	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	280	38	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	280	32	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	6.5 JS	55	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	280	36	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.5	0.68	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.5	0.77	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.5	4.2	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	10	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.5	0.81	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.5	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.5	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.5	0.59	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.5	0.69	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	280	58	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	280	53	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.90 JS	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	ND	280	74	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	280	51	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	280	50	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.5	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	280	40	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	280	52	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.5	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	280	44	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	1.3	J 5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.5	0.87	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	560	520	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	0.86	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	106			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	90			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	310	260	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	200 J	260	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	02/28/14	DD	SW 8270
Anthracene	1000	260	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3400	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	730	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3400	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4200	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1600	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1700	260	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	94	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	98	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	810 J	1800	280	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3600	260	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	370	260	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	230 J	260	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	7200	260	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	280	260	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1400	260	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	220 J	260	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	4400	260	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	6100	260	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	87			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	83			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	80			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	91			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

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

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

**Volatile Comment:**

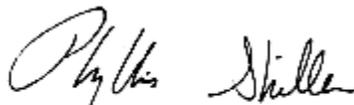
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13668

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB2 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	6760	34	6.7	mg/Kg	02/28/14	EK	SW6010
Arsenic	2.4	0.7	0.67	mg/Kg	02/28/14	EK	SW6010
Barium	48.9	0.7	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.45	0.27	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	8730	* 34	31	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.26	B 0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.64	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	16.0	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	20.7	* 0.34	0.27	mg/kg	02/28/14	EK	SW6010
Iron	19800	34	34	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.08	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	3160	* 3.4	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	631	N 3.4	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	107	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Nickel	12.1	0.34	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	13.5	0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	35.5	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	28.5	* 0.7	0.34	mg/Kg	02/28/14	EK	SW6010
Percent Solid	91			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	73			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	106			%	02/28/14	MH	30 - 150 %
% TCMX	103			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.5	0.91	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.54	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.5	0.61	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	0.49	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.5	0.73	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.5	0.82	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	0.59	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.5	0.88	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.5	0.77	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	55	5.5	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.5	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.5	0.81	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.5	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.5	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.5	4.3	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.5	0.90	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	0.64	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.5	0.82	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.5	1.3	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.5	2.9	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.5	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.5	0.62	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.5	0.70	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.5	2.2	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.95	JS	5.5	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.5	1.5	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.5	2.1	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.5	0.80	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.5	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.5	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.5	0.89	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.5	0.88	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	0.87	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	101			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	92			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	85			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	89			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	80			%	02/28/14	DD	23 - 120 %
% Phenol-d5	81			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	93			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

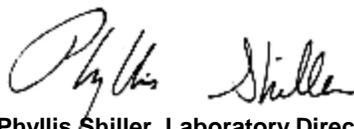
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

9:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13669

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	10100	40	8.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	7.0	0.8	0.81	mg/Kg	02/28/14	EK	SW6010
Barium	80.0	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.56	0.32	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	64700	* 40	37	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.42	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.38	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	19.1	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	19.0	* 0.40	0.32	mg/kg	02/28/14	EK	SW6010
Iron	16200	40	40	mg/Kg	02/28/14	EK	SW6010
Mercury	0.19	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1640	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	4140	* 4.0	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	380	N 4.0	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	677	N 8	3.5	mg/Kg	02/28/14	EK	SW6010
Nickel	11.6	0.40	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	37.3	0.8	0.24	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	03/01/14	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	31.1	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	143	* 0.8	0.40	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	280	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88			%	02/28/14	AW	30 - 150 %
% TCMX	73			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	24	24	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	74	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	6.1	6.1	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	8.4	8.4	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	4.2	4.2	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	9.2	9.2	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	11	11	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	110	110	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	137			%	02/28/14	MH	30 - 150 %
% TCMX	92			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	560	290	79	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	88			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	90			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	97			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	94	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	170	J 270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	760	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	830	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	760	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Client ID: SB3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	500	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	250	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270
Anthracene	1400	270	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3400	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	760	220	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3200	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4300	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1600	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1500	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	760	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	98	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	1100	J 1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3500	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	360	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	98	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	8600	270	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	440	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1400	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	300	270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	6800	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	7900	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	94	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	82			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	74			%	02/28/14	DD	23 - 120 %
% Phenol-d5	74			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	81			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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.

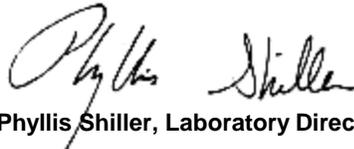
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

For Pesticides, due to matrix interference caused by the presence of PCB's in the samples an elevated RL was reported.

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13670

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB3 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6780	36	7.1	mg/Kg	02/28/14	EK	SW6010
Arsenic	20.8	0.7	0.71	mg/Kg	02/28/14	EK	SW6010
Barium	133	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.41	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	58900 *	36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	1.60	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.00	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	19.2	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	30.2 *	0.36	0.28	mg/kg	02/28/14	EK	SW6010
Iron	17200	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	0.22 N*	0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1020	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2800 *	3.6	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	260	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	272	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	12.9	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	92.6	0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	23.8	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	295 *	7.1	3.6	mg/Kg	02/28/14	EK	SW6010
Percent Solid	88			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88			%	02/28/14	AW	30 - 150 %
% TCMX	72			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	13	13	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	37	37	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	110	110	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	29	29	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	18	18	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	9.2	9.2	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	55	55	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	920	920	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	144			%	03/03/14	MH	30 - 150 %
% TCMX	105			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	02/27/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	02/27/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	02/27/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	02/27/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	02/27/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	02/27/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	02/27/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	02/27/14	JLI	SW8260	
2-Hexanone	ND	28	2.6	ug/Kg	02/27/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	02/27/14	JLI	SW8260	
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	02/27/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	02/27/14	JLI	SW8260	
Acetone	18	JS	57	5.6	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	02/27/14	JLI	SW8260	
Benzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
Bromobenzene	ND	5.7	0.74	ug/Kg	02/27/14	JLI	SW8260	
Bromochloromethane	ND	5.7	0.83	ug/Kg	02/27/14	JLI	SW8260	
Bromodichloromethane	ND	5.7	0.70	ug/Kg	02/27/14	JLI	SW8260	
Bromoform	ND	5.7	0.80	ug/Kg	02/27/14	JLI	SW8260	
Bromomethane	ND	5.7	4.4	ug/Kg	02/27/14	JLI	SW8260	
Carbon Disulfide	0.92	J	5.7	0.92	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	02/27/14	JLI	SW8260	
Chlorobenzene	ND	5.7	0.84	ug/Kg	02/27/14	JLI	SW8260	
Chloroethane	ND	5.7	1.3	ug/Kg	02/27/14	JLI	SW8260	
Chloroform	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
Chloromethane	ND	5.7	3.0	ug/Kg	02/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	02/27/14	JLI	SW8260	
Dibromochloromethane	ND	5.7	0.64	ug/Kg	02/27/14	JLI	SW8260	
Dibromomethane	ND	5.7	0.72	ug/Kg	02/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	02/27/14	JLI	SW8260	
Ethylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260	
Isopropylbenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260	
m&p-Xylene	ND	5.7	2.2	ug/Kg	02/27/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	02/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	02/27/14	JLI	SW8260	
Methylene chloride	ND	5.7	0.93	ug/Kg	02/27/14	JLI	SW8260	
Naphthalene	99	J	280	76	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	02/27/14	JLI	SW8260	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.7	2.2	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.7	1.6	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.7	0.90	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.7	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.7	1.8	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	89			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1300	1000	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	1300	470	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	9400	1300	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	1300	740	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	1300	560	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1300	890	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	9400	1900	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	1300	1200	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1300	740	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	3800	890	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	9400	4100	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	9400	2000	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	3800	880	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	1300	630	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	9400	630	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	9400	850	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	1300	590	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	9400	3800	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	1300	620	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	1600	1300	630	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	3800	1100	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	2300	1300	610	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	2200	1300	640	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1700	1300	610	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	760	J 1000	630	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	9400	3800	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	1300	490	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	1300	520	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1300	510	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	1300	520	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	9400	1400	ug/Kg	02/28/14	DD	SW 8270
Chrysene	2300	1300	630	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	1300	580	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	1300	500	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	1300	490	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	2300	1300	610	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	1300	620	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	1300	550	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	1300	680	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	1300	580	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	1300	570	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	830	J 1300	630	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	1300	540	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	1300	660	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1300	530	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	1300	610	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	1300	720	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	1300	700	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	1300	710	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	2600	1300	540	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	1300	600	ug/Kg	02/28/14	DD	SW 8270
Pyrene	5000	1300	650	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	1300	460	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	29			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	99			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	63			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	92			%	02/28/14	DD	23 - 120 %
% Phenol-d5	81			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	105			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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:**

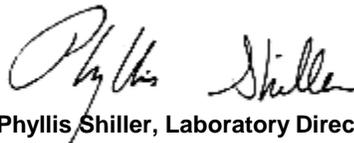
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.  
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# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13671

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB9 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.24	mg/Kg	02/28/14	EK	SW6010
Aluminum	8340	39	7.8	mg/Kg	02/28/14	EK	SW6010
Arsenic	4.9	0.8	0.78	mg/Kg	02/28/14	EK	SW6010
Barium	272	0.8	0.16	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.31	0.16	mg/Kg	02/28/14	EK	SW6010
Calcium	20500	* 39	36	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.53	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.50	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Chromium	18.6	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Copper	54.2	* 0.39	0.31	mg/kg	02/28/14	EK	SW6010
Iron	18700	39	39	mg/Kg	02/28/14	EK	SW6010
Mercury	0.53	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	831	N 8	3.1	mg/Kg	02/28/14	EK	SW6010
Magnesium	3590	* 3.9	0.24	mg/Kg	02/28/14	EK	SW6010
Manganese	445	N 3.9	1.6	mg/Kg	02/28/14	EK	SW6010
Sodium	803	N 8	3.4	mg/Kg	02/28/14	EK	SW6010
Nickel	12.6	0.39	0.16	mg/Kg	02/28/14	EK	SW6010
Lead	1160	7.8	2.4	mg/Kg	02/28/14	EK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.6	0.4	0.16	mg/Kg	02/28/14	EK	SW6010
Zinc	143	* 0.8	0.39	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82			%	02/28/14	AW	30 - 150 %
% TCMX	61			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	5.3	5.3	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	4.6	4.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	5.3	5.3	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	3.0	3.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	80	80	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	125			%	02/28/14	MH	30 - 150 %
% TCMX	87			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	0.96	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.8	0.84	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	1.6	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.8	1.5	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.8	0.64	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.8	0.51	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.8	0.83	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.8	0.77	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.8	0.86	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.8	0.62	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.8	0.92	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.8	0.98	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.8	0.93	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.8	0.80	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.8	0.68	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	58	5.8	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.8	0.76	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.8	0.85	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.8	0.72	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.8	0.82	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.8	4.5	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.8	0.94	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.8	0.68	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.8	0.86	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.8	1.4	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.8	3.1	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.8	0.63	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.8	0.65	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.8	0.73	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.8	1.5	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.8	2.3	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	1.1	JS 5.8	0.96	ug/Kg	02/27/14	JLI	SW8260
Naphthalene	8.1	5.8	1.6	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.8	1.0	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.8	2.2	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.8	1.7	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	2.4	J 5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.8	0.92	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.8	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.8	1.9	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	85			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	100			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	95			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	97	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	2000	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	2000	400	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	250	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	780	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	2000	850	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2000	420	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	780	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	2000	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	2000	180	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	170	J 270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	310	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	2000	790	ug/Kg	02/28/14	DD	SW 8270
Anthracene	660	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	2900	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	780	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3000	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4700	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1200	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1100	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	2000	780	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	470	J 2000	300	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3100	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	310	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	120	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	5200	270	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	190	J 270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1100	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	250	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	3000	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyrene	4900	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	96	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	84			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	79			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	81			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	02/28/14	DD	23 - 120 %
% Phenol-d5	76			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	81			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

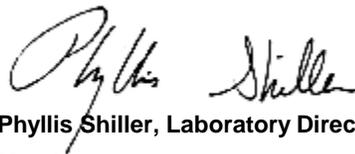
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: 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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

10:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13672

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB9 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	02/28/14	EK	SW6010
Aluminum	5360	33	6.6	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.5	0.7	0.66	mg/Kg	02/28/14	EK	SW6010
Barium	35.6	0.7	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.38	0.27	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	1250	* 33	31	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.18	B 0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.78	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	14.7	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	13.0	* 0.33	0.27	mg/kg	02/28/14	EK	SW6010
Iron	14000	33	33	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1290	N 7	2.6	mg/Kg	02/28/14	EK	SW6010
Magnesium	1900	* 3.3	0.20	mg/Kg	02/28/14	EK	SW6010
Manganese	338	N 3.3	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	169	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Nickel	10.1	0.33	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	6.1	0.7	0.20	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	20.7	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	21.8	* 0.7	0.33	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	79			%	02/28/14	AW	30 - 150 %
% TCMX	69			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83			%	02/28/14	MH	30 - 150 %
% TCMX	93			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.3	0.87	ug/Kg	02/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.3	0.77	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.59	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	02/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.76	ug/Kg	02/27/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.79	ug/Kg	02/27/14	JLI	SW8260
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	02/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	02/27/14	JLI	SW8260
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	02/27/14	JLI	SW8260
2-Chlorotoluene	ND	5.3	0.85	ug/Kg	02/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/27/14	JLI	SW8260
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	02/27/14	JLI	SW8260
4-Chlorotoluene	ND	5.3	0.62	ug/Kg	02/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/27/14	JLI	SW8260
Acetone	ND	53	5.3	ug/Kg	02/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	02/27/14	JLI	SW8260
Benzene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Bromobenzene	ND	5.3	0.69	ug/Kg	02/27/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.78	ug/Kg	02/27/14	JLI	SW8260
Bromodichloromethane	ND	5.3	0.66	ug/Kg	02/27/14	JLI	SW8260
Bromoform	ND	5.3	0.75	ug/Kg	02/27/14	JLI	SW8260
Bromomethane	ND	5.3	4.1	ug/Kg	02/27/14	JLI	SW8260
Carbon Disulfide	ND	5.3	0.86	ug/Kg	02/27/14	JLI	SW8260
Carbon tetrachloride	ND	5.3	0.62	ug/Kg	02/27/14	JLI	SW8260
Chlorobenzene	ND	5.3	0.79	ug/Kg	02/27/14	JLI	SW8260
Chloroethane	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
Chloroform	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
Chloromethane	ND	5.3	2.8	ug/Kg	02/27/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	02/27/14	JLI	SW8260
Dibromochloromethane	ND	5.3	0.60	ug/Kg	02/27/14	JLI	SW8260
Dibromomethane	ND	5.3	0.67	ug/Kg	02/27/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
Ethylbenzene	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Isopropylbenzene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
m&p-Xylene	ND	5.3	2.1	ug/Kg	02/27/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	02/27/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/27/14	JLI	SW8260
Methylene chloride	0.90	JS	5.3	0.87	ug/Kg	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	02/27/14	JLI	SW8260
n-Butylbenzene	ND	5.3	0.97	ug/Kg	02/27/14	JLI	SW8260
n-Propylbenzene	ND	5.3	0.96	ug/Kg	02/27/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.3	2.0	ug/Kg	02/27/14	JLI	SW8260
p-Isopropyltoluene	ND	5.3	0.77	ug/Kg	02/27/14	JLI	SW8260
sec-Butylbenzene	ND	5.3	1.0	ug/Kg	02/27/14	JLI	SW8260
Styrene	ND	5.3	1.5	ug/Kg	02/27/14	JLI	SW8260
tert-Butylbenzene	ND	5.3	0.85	ug/Kg	02/27/14	JLI	SW8260
Tetrachloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/27/14	JLI	SW8260
Toluene	ND	5.3	0.84	ug/Kg	02/27/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	9.9	ug/Kg	02/27/14	JLI	SW8260
Trichloroethene	ND	5.3	1.1	ug/Kg	02/27/14	JLI	SW8260
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	02/27/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	02/27/14	JLI	SW8260
Vinyl chloride	ND	5.3	1.7	ug/Kg	02/27/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/27/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	02/27/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/27/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/27/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	250	220	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	710	160	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	250	99	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	95	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	250	91	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	250	99	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	250	87	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	89			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	83			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76			%	02/27/14	DD	23 - 120 %
% Phenol-d5	76			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	92			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

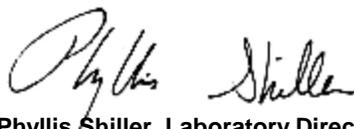
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13673

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB5 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12300	37	7.3	mg/Kg	02/28/14	EK	SW6010
Arsenic	7.5	0.7	0.73	mg/Kg	02/28/14	EK	SW6010
Barium	102	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.61	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	9120	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.64	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.51	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	56.5	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	30.5	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	22100	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.22	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1150	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2390	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	293	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	192	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.9	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	146	7.3	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	33.9	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	124	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	82			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	40	40	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93			%	02/28/14	AW	30 - 150 %
% TCMX	67			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	11	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	18	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	19	2.8	2.8	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	5.6	5.6	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	24	24	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	5.6	5.6	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	2.0	2.0	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	16	16	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	200	200	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102			%	02/28/14	MH	30 - 150 %
% TCMX	80			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.1	0.87	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.1	0.60	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	6.1	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB5 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	300	61	ug/Kg	02/28/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	300	43	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	300	61	ug/Kg	02/28/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	300	44	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	300	82	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.1	1.6	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	300	34	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.1	0.54	ug/Kg	02/28/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.1	0.87	ug/Kg	02/28/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	300	40	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	300	45	ug/Kg	02/28/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.1	0.65	ug/Kg	02/28/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	300	48	ug/Kg	02/28/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260	
2-Chlorotoluene	ND	300	49	ug/Kg	02/28/14	JLI	SW8260	
2-Hexanone	ND	30	2.7	ug/Kg	02/28/14	JLI	SW8260	
2-Isopropyltoluene	ND	300	42	ug/Kg	02/28/14	JLI	SW8260	
4-Chlorotoluene	ND	300	35	ug/Kg	02/28/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	30	1.5	ug/Kg	02/28/14	JLI	SW8260	
Acetone	17	JS	61	6.1	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.4	ug/Kg	02/28/14	JLI	SW8260	
Benzene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260	
Bromobenzene	ND	300	40	ug/Kg	02/28/14	JLI	SW8260	
Bromochloromethane	ND	6.1	0.89	ug/Kg	02/28/14	JLI	SW8260	
Bromodichloromethane	ND	6.1	0.76	ug/Kg	02/28/14	JLI	SW8260	
Bromoform	ND	6.1	0.85	ug/Kg	02/28/14	JLI	SW8260	
Bromomethane	ND	6.1	4.7	ug/Kg	02/28/14	JLI	SW8260	
Carbon Disulfide	4.4	J	6.1	0.99	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	6.1	0.71	ug/Kg	02/28/14	JLI	SW8260	
Chlorobenzene	ND	6.1	0.90	ug/Kg	02/28/14	JLI	SW8260	
Chloroethane	ND	6.1	1.4	ug/Kg	02/28/14	JLI	SW8260	
Chloroform	ND	6.1	1.1	ug/Kg	02/28/14	JLI	SW8260	
Chloromethane	ND	6.1	3.2	ug/Kg	02/28/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.1	1.3	ug/Kg	02/28/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.1	0.66	ug/Kg	02/28/14	JLI	SW8260	
Dibromochloromethane	ND	6.1	0.68	ug/Kg	02/28/14	JLI	SW8260	
Dibromomethane	ND	6.1	0.77	ug/Kg	02/28/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.1	1.6	ug/Kg	02/28/14	JLI	SW8260	
Ethylbenzene	ND	6.1	1.1	ug/Kg	02/28/14	JLI	SW8260	
Hexachlorobutadiene	ND	300	64	ug/Kg	02/28/14	JLI	SW8260	
Isopropylbenzene	ND	300	59	ug/Kg	02/28/14	JLI	SW8260	
m&p-Xylene	ND	6.1	2.4	ug/Kg	02/28/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	37	5.3	ug/Kg	02/28/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	1.7	ug/Kg	02/28/14	JLI	SW8260	
Methylene chloride	1.0	JS	6.1	1.0	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	150	J	300	82	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	300	55	ug/Kg	02/28/14	JLI	SW8260	
n-Propylbenzene	ND	300	55	ug/Kg	02/28/14	JLI	SW8260	

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	6.1	2.3	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	300	44	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	300	57	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	6.1	1.8	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	300	49	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	95	J 300	64	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.5	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	6.1	0.96	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.1	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	610	570	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	2.0	J 6.1	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	6.1	1.4	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.1	0.95	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	6.1	2.0	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	94			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	91			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	86			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	280	99	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	2000	280	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	280	160	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280	190	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	2000	410	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	280	250	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	800	190	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	2000	870	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2000	430	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	800	190	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	2000	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	2000	180	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	170	J 280	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	2000	810	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	610	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	800	240	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	770	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	1100	280	140	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	390	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	410	280	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	2000	800	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	280	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	190	J 280	120	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	2000	300	ug/Kg	02/28/14	DD	SW 8270
Chrysene	680	280	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	280	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	930	280	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	350	280	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	280	120	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	280	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	280	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	280	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	430	280	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	280	130	ug/Kg	02/28/14	DD	SW 8270
Pyrene	1100	280	140	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	280	99	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	70			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	69			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	85			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	83			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	79			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

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

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

**Volatile Comment:**

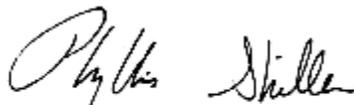
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13674

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB5 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	12800	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	3.2	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	47.9	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.52	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	1270	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	6.59	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	27.3	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	16.5	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	21100	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.08	N* 0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	878	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2080	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	173	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	74	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	15.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	14.8	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	35.0	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	70.0	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	69			%	02/28/14	AW	30 - 150 %
% TCMX	64			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	MH	30 - 150 %
% TCMX	84			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.96	JS	5.9	0.96	ug/Kg	JLI	SW8260
Naphthalene	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	7.4	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	94			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	270	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	99	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	96			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	78			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	98			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79			%	02/28/14	DD	23 - 120 %
% Phenol-d5	83			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	87			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

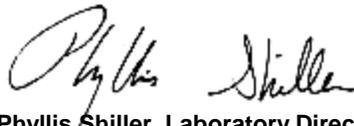
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

11:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13675

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	7410	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	5.8	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	240	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.41	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	51200 *	37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.64	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	3.80	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	22.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	30.3 *	0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	14500	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.30 N*	0.08	0.05	mg/Kg	02/28/14	RS	SW-7471
Potassium	1090	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2730 *	3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	258	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	445	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	13.2	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	210	7.4	2.2	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	29.7	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	193 *	7.4	3.7	mg/Kg	02/28/14	EK	SW6010
Percent Solid	85			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	101			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	7.9	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	14	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	20	2.8	2.8	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	92	92	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	140			%	03/03/14	MH	30 - 150 %
% TCMX	98			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	0.58	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	0.65	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	0.52	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	0.84	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	0.78	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	0.99	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.9	0.81	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	7.5	JS 59	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.9	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.9	0.86	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.9	0.73	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.9	0.82	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.9	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.9	0.95	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.9	0.68	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.9	0.87	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.9	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.9	3.1	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.9	0.64	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.9	0.66	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.9	0.74	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.9	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.1	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.9	0.96	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.9	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.9	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.9	0.85	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.9	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.9	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.9	0.94	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.3	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.9	0.93	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.9	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.9	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.9	0.92	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	82			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	96			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	540	420	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	540	190	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	3900	540	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	540	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	3900	780	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	540	490	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1500	370	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	3900	1700	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	3900	830	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	1500	360	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	540	260	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	3900	260	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	3900	350	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	270	J 540	220	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	3900	1600	ug/Kg	02/28/14	DD	SW 8270
Anthracene	590	540	250	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	3000	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	1500	450	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	3100	540	250	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	4400	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	1700	540	250	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	1300	540	260	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	3900	1500	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	280	J 540	200	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	350	J 540	220	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	3900	590	ug/Kg	02/28/14	DD	SW 8270
Chrysene	3200	540	260	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	410	J 540	250	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	540	210	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	540	200	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	6800	540	250	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	540	260	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	540	280	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	540	240	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	540	230	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1700	540	260	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	540	270	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	540	220	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	540	300	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	540	290	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	540	290	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	2300	540	220	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	540	250	ug/Kg	02/28/14	DD	SW 8270
Pyrene	6000	540	270	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	540	190	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	79			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	78			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	69			%	02/28/14	DD	23 - 120 %
% Phenol-d5	70			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	90			%	02/28/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) 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:**

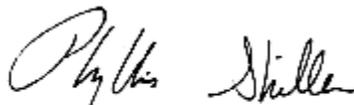
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13676

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB1 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.19	mg/Kg	02/28/14	EK	SW6010
Aluminum	5030	32	6.5	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.6	0.6	0.65	mg/Kg	02/28/14	EK	SW6010
Barium	33.0	0.6	0.13	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.36	0.26	0.13	mg/Kg	02/28/14	EK	SW6010
Calcium	1050	* 32	30	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.24	B 0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Cobalt	4.88	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Chromium	13.1	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Copper	13.5	* 0.32	0.26	mg/kg	02/28/14	EK	SW6010
Iron	16400	32	32	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.07	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	913	N 6	2.5	mg/Kg	02/28/14	EK	SW6010
Magnesium	1840	* 3.2	0.19	mg/Kg	02/28/14	EK	SW6010
Manganese	396	N 3.2	1.3	mg/Kg	02/28/14	EK	SW6010
Sodium	74	N 6	2.8	mg/Kg	02/28/14	EK	SW6010
Nickel	10.9	0.32	0.13	mg/Kg	02/28/14	EK	SW6010
Lead	5.3	0.6	0.19	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.6	1.6	1.6	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	02/28/14	EK	SW6010
Vanadium	19.5	0.3	0.13	mg/Kg	02/28/14	EK	SW6010
Zinc	21.9	* 0.6	0.32	mg/Kg	02/28/14	EK	SW6010
Percent Solid	90			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	97			%	02/28/14	MH	30 - 150 %
% TCMX	98			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.6	0.91	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6	0.54	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.6	0.80	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.6	0.61	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.6	0.49	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.6	0.79	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.6	0.73	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.6	0.82	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.6	0.59	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.6	0.88	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.6	0.93	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.6	0.89	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	28	2.5	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.6	0.77	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.6	0.64	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	56	5.5	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.6	0.72	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.6	0.81	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.6	0.69	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.6	0.78	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.6	4.3	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.6	0.90	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.6	0.64	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.6	0.82	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.6	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.6	2.9	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.6	0.60	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.6	0.62	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.6	0.70	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.6	2.2	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.8	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.94	JS	5.6	0.91	ug/Kg	JLI	SW8260
Naphthalene	ND	5.6	1.5	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.6	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.6	0.80	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.6	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.6	1.6	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.6	0.89	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.0	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.6	0.88	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.6	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.6	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.6	0.87	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.6	1.8	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	93			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	100			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	720	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	85			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	75			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	87			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	71			%	02/28/14	DD	23 - 120 %
% Phenol-d5	78			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	94			%	02/28/14	DD	18 - 137 %

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

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

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

**Comments:**

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

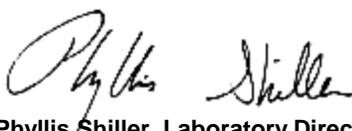
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:20  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13677

Project ID: BLOCK 3141 BRKLYN 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	02/28/14	EK	SW6010
Aluminum	11600	37	7.4	mg/Kg	02/28/14	EK	SW6010
Arsenic	6.1	0.7	0.74	mg/Kg	02/28/14	EK	SW6010
Barium	89.8	0.7	0.15	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.49	0.29	0.15	mg/Kg	02/28/14	EK	SW6010
Calcium	15200	* 37	34	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.27	B 0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.95	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Chromium	26.6	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Copper	27.6	* 0.37	0.29	mg/kg	02/28/14	EK	SW6010
Iron	25200	37	37	mg/Kg	02/28/14	EK	SW6010
Mercury	0.23	N* 0.07	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1130	N 7	2.9	mg/Kg	02/28/14	EK	SW6010
Magnesium	2210	* 3.7	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	348	N 3.7	1.5	mg/Kg	02/28/14	EK	SW6010
Sodium	212	N 7	3.2	mg/Kg	02/28/14	EK	SW6010
Nickel	97.4	0.37	0.15	mg/Kg	02/28/14	EK	SW6010
Lead	123	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	02/28/14	EK	SW6010
Vanadium	54.3	0.4	0.15	mg/Kg	02/28/14	EK	SW6010
Zinc	81.3	* 0.7	0.37	mg/Kg	02/28/14	EK	SW6010
Percent Solid	86			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78			%	02/28/14	AW	30 - 150 %
% TCMX	62			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
4,4' -DDE	ND	7.5	7.5	ug/Kg	03/03/14	MH	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/03/14	MH	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
a-Chlordane	ND	11	11	ug/Kg	03/03/14	MH	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Chlordane	ND	23	23	ug/Kg	03/03/14	MH	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/03/14	MH	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
g-Chlordane	ND	11	11	ug/Kg	03/03/14	MH	SW8081
Heptachlor	ND	2.3	2.3	ug/Kg	03/03/14	MH	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/03/14	MH	SW8081
Methoxychlor	ND	15	15	ug/Kg	03/03/14	MH	SW8081
Toxaphene	ND	190	190	ug/Kg	03/03/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	116			%	03/03/14	MH	30 - 150 %
% TCMX	85			%	03/03/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.8	0.95	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.8	0.57	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260

Client ID: SB6 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.8	0.84	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	1.6	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.8	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.8	0.64	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.8	0.51	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.8	0.83	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.8	0.77	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.8	0.86	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.8	0.62	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.8	0.92	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.8	0.98	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.8	0.93	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	29	2.6	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.8	0.80	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.8	0.67	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	29	1.4	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	58	5.8	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	12	3.3	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.8	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.8	0.85	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.8	0.72	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.8	0.81	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.8	4.5	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.8	0.94	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.8	0.67	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.8	0.86	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.8	1.4	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.8	3.0	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.8	0.63	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.8	0.65	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.8	0.73	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.8	1.5	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.8	2.3	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	35	5.0	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	0.95	JS	5.8	0.95	ug/Kg	JLI	SW8260
Naphthalene	ND	5.8	1.6	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.8	1.0	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.8	2.2	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.8	0.84	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.8	1.1	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.8	1.7	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.8	0.93	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.2	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.8	0.92	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.8	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.8	1.3	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.8	0.91	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.8	1.9	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	95			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	92			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	93			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	99			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	96	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1900	840	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	420	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1900	130	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1900	170	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1900	780	ug/Kg	02/28/14	DD	SW 8270
Anthracene	410	270	130	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	1400	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzdine	ND	770	230	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	1300	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	1600	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	800	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	580	270	130	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	02/28/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Carbazole	370	J 1900	290	ug/Kg	02/28/14	DD	SW 8270
Chrysene	1600	270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	170	J 270	130	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	270	100	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	3400	270	130	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	660	270	130	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	160	J 270	110	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	270	150	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	1800	270	110	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	02/28/14	DD	SW 8270
Pyrene	3000	270	130	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	270	95	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	90			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	82			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	91			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78			%	02/28/14	DD	23 - 120 %
% Phenol-d5	84			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	102			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

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

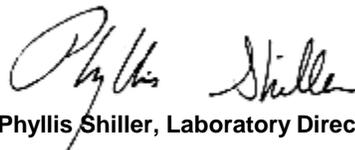
Please be advised that the NY unrestricted soil criteria for chromium is based on hexavalent chromium and trivalent chromium.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: 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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

12:40  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13678

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: SB6 13-15

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	02/28/14	EK	SW6010
Aluminum	6950	36	7.2	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.9	0.7	0.72	mg/Kg	02/28/14	EK	SW6010
Barium	49.2	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.29	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1180	* 36	33	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.20	B 0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.24	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	24.6	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	15.6	* 0.36	0.29	mg/kg	02/28/14	EK	SW6010
Iron	17000	36	36	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1420	N 7	2.8	mg/Kg	02/28/14	EK	SW6010
Magnesium	2170	* 3.6	0.22	mg/Kg	02/28/14	EK	SW6010
Manganese	285	N 3.6	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	228	N 7	3.1	mg/Kg	02/28/14	EK	SW6010
Nickel	11.5	0.36	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	5.1	0.7	0.22	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	27.2	0.4	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	28.6	* 0.7	0.36	mg/Kg	02/28/14	EK	SW6010
Percent Solid	92			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76			%	02/28/14	AW	30 - 150 %
% TCMX	68			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	22	22	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93			%	02/28/14	MH	30 - 150 %
% TCMX	99			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.89	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.48	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.72	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.91	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	9.3	JS 54	5.4	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.1	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.79	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.4	4.2	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.63	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.61	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	4.7	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.4	0.89	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.99	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.4	1.6	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.9	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.8	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	96			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	91			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	98			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	98			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/28/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/28/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/28/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/28/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/28/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/28/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	02/28/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/28/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	02/28/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/28/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/28/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	02/28/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	02/28/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/28/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	02/28/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/28/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/28/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	02/28/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	02/28/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/28/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/28/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/28/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/28/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/28/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/28/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	99			%	02/28/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	02/28/14	DD	30 - 115 %
% 2-Fluorophenol	102			%	02/28/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	83			%	02/28/14	DD	23 - 120 %
% Phenol-d5	90			%	02/28/14	DD	24 - 113 %
% Terphenyl-d14	111			%	02/28/14	DD	18 - 137 %

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

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

**Comments:**

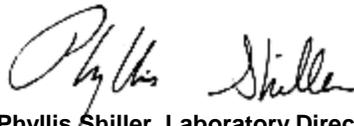
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



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

# Analysis Report

March 10, 2014

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

## Sample Information

Matrix: SOIL  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

## Custody Information

Collected by: KW  
 Received by: LDA  
 Analyzed by: see "By" below

## Date

02/26/14  
 02/27/14

## Time

0:00  
 15:52

## Laboratory Data

SDG ID: GBG13661  
 Phoenix ID: BG13679

Project ID: BLOCK 3141 BRKLYN NY  
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.21	mg/Kg	02/28/14	EK	SW6010
Aluminum	6540	34	6.9	mg/Kg	02/28/14	EK	SW6010
Arsenic	1.7	0.7	0.69	mg/Kg	02/28/14	EK	SW6010
Barium	45.1	0.7	0.14	mg/Kg	02/28/14	EK	SW6010
Beryllium	0.50	0.28	0.14	mg/Kg	02/28/14	EK	SW6010
Calcium	1690	* 34	32	mg/Kg	02/28/14	EK	SW6010
Cadmium	0.37	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Cobalt	5.15	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Chromium	25.8	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Copper	17.6	* 0.34	0.28	mg/kg	02/28/14	EK	SW6010
Iron	26300	34	34	mg/Kg	02/28/14	EK	SW6010
Mercury	< 0.06	N* 0.06	0.04	mg/Kg	02/28/14	RS	SW-7471
Potassium	1500	N 7	2.7	mg/Kg	02/28/14	EK	SW6010
Magnesium	1940	* 3.4	0.21	mg/Kg	02/28/14	EK	SW6010
Manganese	476	N 3.4	1.4	mg/Kg	02/28/14	EK	SW6010
Sodium	178	N 7	3.0	mg/Kg	02/28/14	EK	SW6010
Nickel	11.0	0.34	0.14	mg/Kg	02/28/14	EK	SW6010
Lead	7.4	0.7	0.21	mg/Kg	02/28/14	EK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	02/28/14	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/28/14	EK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	02/28/14	EK	SW6010
Vanadium	38.7	0.3	0.14	mg/Kg	02/28/14	EK	SW6010
Zinc	25.6	* 0.7	0.34	mg/Kg	02/28/14	EK	SW6010
Percent Solid	93			%	02/27/14	I	E160.3
Soil Extraction for PCB	Completed				02/27/14	BB/V	SW3545
Soil Extraction for Pesticide	Completed				02/27/14	BB	SW3545
Soil Extraction for SVOA	Completed				02/27/14	JJ/FV	SW3545
Mercury Digestion	Completed				02/28/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				02/27/14	Z/AG	SW846 - 3050
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	02/28/14	AW	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80			%	02/28/14	AW	30 - 150 %
% TCMX	70			%	02/28/14	AW	30 - 150 %
<b><u>Pesticides - Soil</u></b>							
4,4' -DDD	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	02/28/14	MH	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Chlordane	ND	21	21	ug/Kg	02/28/14	MH	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/28/14	MH	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	02/28/14	MH	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	02/28/14	MH	SW8081
Toxaphene	ND	180	180	ug/Kg	02/28/14	MH	SW8081
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95			%	02/28/14	MH	30 - 150 %
% TCMX	96			%	02/28/14	MH	30 - 150 %
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dibromoethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.4	0.59	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloroethane	ND	5.4	0.47	ug/Kg	02/28/14	JLI	SW8260
1,2-Dichloropropane	ND	5.4	0.76	ug/Kg	02/28/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	0.71	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
1,3-Dichloropropane	ND	5.4	0.57	ug/Kg	02/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
2,2-Dichloropropane	ND	5.4	0.90	ug/Kg	02/28/14	JLI	SW8260
2-Chlorotoluene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	02/28/14	JLI	SW8260
2-Isopropyltoluene	ND	5.4	0.74	ug/Kg	02/28/14	JLI	SW8260
4-Chlorotoluene	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	02/28/14	JLI	SW8260
Acetone	ND	54	5.3	ug/Kg	02/28/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	02/28/14	JLI	SW8260
Benzene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Bromobenzene	ND	5.4	0.70	ug/Kg	02/28/14	JLI	SW8260
Bromochloromethane	ND	5.4	0.78	ug/Kg	02/28/14	JLI	SW8260
Bromodichloromethane	ND	5.4	0.67	ug/Kg	02/28/14	JLI	SW8260
Bromoform	ND	5.4	0.75	ug/Kg	02/28/14	JLI	SW8260
Bromomethane	ND	5.4	4.1	ug/Kg	02/28/14	JLI	SW8260
Carbon Disulfide	ND	5.4	0.87	ug/Kg	02/28/14	JLI	SW8260
Carbon tetrachloride	ND	5.4	0.62	ug/Kg	02/28/14	JLI	SW8260
Chlorobenzene	ND	5.4	0.80	ug/Kg	02/28/14	JLI	SW8260
Chloroethane	ND	5.4	1.3	ug/Kg	02/28/14	JLI	SW8260
Chloroform	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
Chloromethane	ND	5.4	2.8	ug/Kg	02/28/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.4	0.58	ug/Kg	02/28/14	JLI	SW8260
Dibromochloromethane	ND	5.4	0.60	ug/Kg	02/28/14	JLI	SW8260
Dibromomethane	ND	5.4	0.68	ug/Kg	02/28/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
Ethylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
Hexachlorobutadiene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Isopropylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
m&p-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.7	ug/Kg	02/28/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	02/28/14	JLI	SW8260
Methylene chloride	1.1	JS 5.4	0.88	ug/Kg	02/28/14	JLI	SW8260
Naphthalene	ND	5.4	1.4	ug/Kg	02/28/14	JLI	SW8260
n-Butylbenzene	ND	5.4	0.98	ug/Kg	02/28/14	JLI	SW8260
n-Propylbenzene	ND	5.4	0.97	ug/Kg	02/28/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
o-Xylene	ND	5.4	2.1	ug/Kg	02/28/14	JLI	SW8260
p-Isopropyltoluene	ND	5.4	0.77	ug/Kg	02/28/14	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.0	ug/Kg	02/28/14	JLI	SW8260
Styrene	ND	5.4	1.5	ug/Kg	02/28/14	JLI	SW8260
tert-Butylbenzene	ND	5.4	0.86	ug/Kg	02/28/14	JLI	SW8260
Tetrachloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.8	ug/Kg	02/28/14	JLI	SW8260
Toluene	ND	5.4	0.85	ug/Kg	02/28/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	10	ug/Kg	02/28/14	JLI	SW8260
Trichloroethene	ND	5.4	1.1	ug/Kg	02/28/14	JLI	SW8260
Trichlorofluoromethane	ND	5.4	1.2	ug/Kg	02/28/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.4	0.84	ug/Kg	02/28/14	JLI	SW8260
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/28/14	JLI	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	97			%	02/28/14	JLI	70 - 121 %
% Bromofluorobenzene	90			%	02/28/14	JLI	59 - 113 %
% Dibromofluoromethane	97			%	02/28/14	JLI	70 - 130 %
% Toluene-d8	97			%	02/28/14	JLI	84 - 138 %
<b><u>Semivolatiles</u></b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/27/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	02/27/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/27/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	02/27/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	02/27/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	02/27/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	02/27/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	02/27/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	02/27/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1800	160	ug/Kg	02/27/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	02/27/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzdine	ND	710	210	ug/Kg	02/27/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	02/27/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	02/27/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/27/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	02/27/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	02/27/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	02/27/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	02/27/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	02/27/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	02/27/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	02/27/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	02/27/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	02/27/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	72			%	02/27/14	DD	19 - 122 %
% 2-Fluorobiphenyl	74			%	02/27/14	DD	30 - 115 %
% 2-Fluorophenol	62			%	02/27/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	68			%	02/27/14	DD	23 - 120 %
% Phenol-d5	65			%	02/27/14	DD	24 - 113 %
% Terphenyl-d14	84			%	02/27/14	DD	18 - 137 %

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

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

**Comments:**

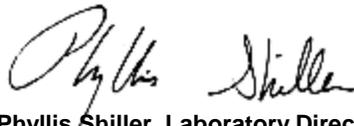
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

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

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



**Phyllis Shiller, Laboratory Director**

**March 10, 2014**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Commercial	7300	2600	5600	5600	ug/Kg
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	7300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	7300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6800	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6800	2600	3900	3900	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Commercial	8300	2600	5600	5600	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	8300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2300	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	2600	1000	1000	ug/Kg
BG13661	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	2700	2600	500	500	ug/Kg
BG13661	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	2600	500	500	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	2600	560	560	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BG13661	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	2600	330	330	ug/Kg
BG13665	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	270	1000	1000	ug/Kg
BG13665	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	980	270	500	500	ug/Kg
BG13665	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	980	270	500	500	ug/Kg
BG13665	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	405	7.3	400	400	mg/Kg
BG13665	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	405	7.3	400	400	mg/Kg
BG13667	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3600	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4200	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4200	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	260	1000	1000	ug/Kg
BG13667	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	260	500	500	ug/Kg
BG13667	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	500	500	ug/Kg

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG13667	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	370	260	330	330	330	ug/Kg
BG13667	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	370	260	330	330	330	ug/Kg
BG13669	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3400	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3500	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4300	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4300	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1500	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3200	270	1000	1000	1000	ug/Kg
BG13669	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	270	500	500	500	ug/Kg
BG13669	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	270	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2200	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	1300	1000	1000	1000	ug/Kg
BG13670	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	830	1300	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	830	1300	500	500	500	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	1300	560	560	560	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1300	330	330	330	ug/Kg
BG13670	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1300	330	330	330	ug/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	20.8	0.7	16	16	16	mg/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	20.8	0.7	16	16	16	mg/Kg
BG13670	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	20.8	0.7	16	16	16	mg/Kg
BG13671	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2900	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3100	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4700	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4700	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	270	1000	1000	1000	ug/Kg
BG13671	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1100	270	500	500	500	ug/Kg
BG13671	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	270	500	500	500	ug/Kg

## Sample Criteria Exceedences Report

Criteria: NY: 375NR, 375RRS, 375RS

GBG13661 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1160	7.8	1000	1000		mg/Kg
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1160	7.8	400	400		mg/Kg
BG13671	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1160	7.8	400	400		mg/Kg
BG13673	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	280	1000	1000		ug/Kg
BG13673	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	280	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3000	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3000	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	3200	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4400	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4400	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1300	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	3100	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	3100	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	540	1000	1000		ug/Kg
BG13675	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	540	500	500		ug/Kg
BG13675	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1700	540	500	500		ug/Kg
BG13675	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	410	540	330	330		ug/Kg
BG13675	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	410	540	330	330		ug/Kg
BG13677	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	1300	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	270	1000	1000		ug/Kg
BG13677	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	660	270	500	500		ug/Kg
BG13677	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	660	270	500	500		ug/Kg

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



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



# NY Temperature Narration

March 10, 2014

SDG I.D.: GBG13661

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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**



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 71 °C Pg 1 of 2

Data Delivery:

Fax #:

Email:

CSOSIK@phoenixlabs.com

Customer: EBC

Address: Ridge NY

Project: Block 341 Bklyn NY

Report to:

Invoice to:

Project P.O.:

Phone #: 631 504 6000

Fax #:

Client Sample - Information - Identification

Sampler's Signature: [Signature] Date: 2-26

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
136661	S84 0-2	S	2-26	7:00
136662	S84 13-15			7:20
136663	S87 0-2			7:40
136664	S87 13-15			8:00
136665	S88 0-2			8:20
136666	S88 13-15			8:40
136667	S82 0-2			9:00
136668	S82 13-15			9:20
136669	S83 0-2			9:40
136670	S83 13-15			10:00
136671	S89 0-2	V		10:20
136672	S89 13-15	V		10:40

Analysis Request	Soil VOA [Methanol] [S. Gasoline] [H2O]	GL Soil container ( ) or	40 ml VOA vial [As is] [HCl]	PL As is [ 250ml ] [500ml ] [1000ml]	PL H2SO4 [ 250ml ] [As is] [H2SO4]	PL HNO3 250ml [ 1000ml ] [1500ml]	PL NeOH 250ml [ 1000ml ] [1500ml]	Bacteria Bottle
Vol 8760								
8760 SVOC								
8760 PCBs								
8760 Metals								

Relinquished by: [Signature] Date: 2-27-11  
 Accepted by: [Signature] Date: 2-27-14

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

NJ Res. Criteria    
 Nor-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

Comments, Special Requirements or Regulations:

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

State where samples were collected: NY



**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 40C Pg 2 of 2

Data Delivery:  
 Fax #:  
 Email:

CSSSIVE LABORATORY INC

Customer: EBC  
 Address: Bridge NH

Project: Block 3141 Bklyn NY  
 Report to:  
 Invoice to:

Project P.O.:  
 Phone #: 621 504 6000  
 Fax #:

**Client Sample - Information - Identification**

Sampler's Signature: [Signature] Date: 2-26-14

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
13673	SBS 0-2	S	2-26	11:00
13674	Sb5 13-15			11:20
13675	Sb1 0-2			11:40
13676	Sb1 13-15			12:00
13677	Sb6 0-2			12:20
13678	Sb6 13-15			12:40
13679	Duplicate		2-26	

Analysis Request

TOP 8260  
SWC 8270  
THE METALS

Soil VOA [Methanol] (S Bisulfite) [H2O]	8				
GL Soil container ( ) oz					
40 ml VOA vial ( ) as is [H2SO4]					
GL Amber 1000ml [As is] [HCl]					
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml					
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml					
PL HNO3 250ml					
PL NeOH 250ml					
Bacteria Bottle					

Relinquished by: [Signature]  
 Accepted by: [Signature]  
 Date: 2-27-14 Time: 11:16  
2-27-14 15:52

Comments, Special Requirements or Regulations:

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

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

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

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

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

State where samples were collected: NJ



Thursday, January 29, 2015

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

Project ID: 930 FLUSHING SITE B  
Sample ID#s: BH66384

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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

**Analysis Report**  
 January 29, 2015

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

Sample Information

Matrix: AIR  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: KW  
 Received by: SW  
 Analyzed by: see "By" below

Date

01/20/15  
 01/22/15

Time

12:44  
 16:54

Laboratory Data

SDG ID: GBH66384  
 Phoenix ID: BH66384

Project ID: 930 FLUSHING SITE B  
 Client ID: SG 1-20-15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
<b><u>Volatiles (TO15)</u></b>								
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	01/22/15	DD	TO15	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	01/22/15	DD	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	01/22/15	DD	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	01/22/15	DD	TO15	
1,1-Dichloroethane	ND	0.247	ND	1.00	01/22/15	DD	TO15	
1,1-Dichloroethene	ND	0.252	ND	1.00	01/22/15	DD	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	01/22/15	DD	TO15	
1,2,4-Trimethylbenzene	28.7	0.204	141	1.00	01/22/15	DD	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	01/22/15	DD	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	01/22/15	DD	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	01/22/15	DD	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	01/22/15	DD	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	01/22/15	DD	TO15	
1,3,5-Trimethylbenzene	9.93	0.204	48.8	1.00	01/22/15	DD	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	01/22/15	DD	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	01/22/15	DD	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	01/22/15	DD	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	01/22/15	DD	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	01/22/15	DD	TO15	1
4-Ethyltoluene	8.58	0.204	42.2	1.00	01/22/15	DD	TO15	1
4-Isopropyltoluene	1.01	0.182	5.54	1.00	01/22/15	DD	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	01/22/15	DD	TO15	
Acetone	ND	0.421	ND	1.00	01/22/15	DD	TO15	
Acrylonitrile	ND	0.461	ND	1.00	01/22/15	DD	TO15	
Benzene	32.8	0.313	105	1.00	01/22/15	DD	TO15	
Benzyl chloride	ND	0.193	ND	1.00	01/22/15	DD	TO15	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	01/22/15	DD	TO15
Bromoform	ND	0.097	ND	1.00	01/22/15	DD	TO15
Bromomethane	ND	0.258	ND	1.00	01/22/15	DD	TO15
Carbon Disulfide	ND	0.321	ND	1.00	01/22/15	DD	TO15
Carbon Tetrachloride	0.080	0.040	0.503	0.25	01/22/15	DD	TO15
Chlorobenzene	ND	0.217	ND	1.00	01/22/15	DD	TO15
Chloroethane	ND	0.379	ND	1.00	01/22/15	DD	TO15
Chloroform	ND	0.205	ND	1.00	01/22/15	DD	TO15
Chloromethane	ND	0.484	ND	1.00	01/22/15	DD	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	01/22/15	DD	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	01/22/15	DD	TO15
Cyclohexane	81.0	0.291	279	1.00	01/22/15	DD	TO15
Dibromochloromethane	ND	0.117	ND	1.00	01/22/15	DD	TO15
Dichlorodifluoromethane	ND	0.202	ND	1.00	01/22/15	DD	TO15
Ethanol	637	0.531	1200	1.00	01/22/15	DD	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	01/22/15	DD	TO15 1
Ethylbenzene	37.8	0.230	164	1.00	01/22/15	DD	TO15
Heptane	76.4	0.244	313	1.00	01/22/15	DD	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	01/22/15	DD	TO15
Hexane	86.0	0.284	303	1.00	01/22/15	DD	TO15
Isopropylalcohol	2.59	0.407	6.36	1.00	01/22/15	DD	TO15
Isopropylbenzene	3.23	0.204	15.9	1.00	01/22/15	DD	TO15
m,p-Xylene	152	0.230	660	1.00	01/22/15	DD	TO15
Methyl Ethyl Ketone	1.64	0.339	4.83	1.00	01/22/15	DD	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	01/22/15	DD	TO15
Methylene Chloride	ND	0.288	ND	1.00	01/22/15	DD	TO15
n-Butylbenzene	1.97	0.182	10.8	1.00	01/22/15	DD	TO15 1
o-Xylene	51.6	0.230	224	1.00	01/22/15	DD	TO15
Propylene	ND	0.581	ND	1.00	01/22/15	DD	TO15 1
sec-Butylbenzene	0.940	0.182	5.16	1.00	01/22/15	DD	TO15 1
Styrene	ND	0.235	ND	1.00	01/22/15	DD	TO15
Tetrachloroethene	0.970	0.037	6.57	0.25	01/22/15	DD	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	01/22/15	DD	TO15 1
Toluene	121	0.266	456	1.00	01/22/15	DD	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	01/22/15	DD	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	01/22/15	DD	TO15
Trichloroethene	ND	0.047	ND	0.25	01/22/15	DD	TO15
Trichlorofluoromethane	5.45	0.178	30.6	1.00	01/22/15	DD	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	01/22/15	DD	TO15
Vinyl Chloride	ND	0.098	ND	0.25	01/22/15	DD	TO15
<b><u>QA/QC Surrogates</u></b>							
% Bromofluorobenzene	98	%	98	%	01/22/15	DD	70 - 130 %

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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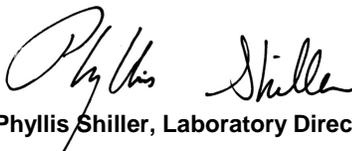
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

**Comments:**

E = Estimated value quantitated above calibration range for this compound.

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



Phyllis Shiller, Laboratory Director

January 29, 2015

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



# QA/QC Report

January 29, 2015

## QA/QC Data

SDG I.D.: GBH66384

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
QA/QC Batch 297901, QC Sample No: BH66035 (BH66384)										
<b>Volatiles</b>										
1,1,1,2-Tetrachloroethane	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	112	1750	1500	321	276	15.1	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	102	206	207	51.0	51.2	0.4	70 - 130	20
1,1-Dichloroethene	ND	ND	98	79.2	84.0	20.0	21.2	5.8	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	100	19.3	20.3	8.12	8.56	5.3	70 - 130	20
Acrylonitrile	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Benzyl chloride	ND	ND	119	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
Chlorobenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	101	4.49	6.83	0.920	1.40	41.4	70 - 130	20
Chloromethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	97	570	567	144	143	0.7	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Ethanol	ND	ND	91	29.4	32.0	15.6	17.0	8.6	70 - 130	20

QA/QC Data

SDG I.D.: GBH66384

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	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Hexachlorobutadiene	ND	ND	81	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	113	5.78	10.1	1.64	2.88	54.9	70 - 130	20
Isopropylalcohol	ND	ND	104	26.8	28.7	10.9	11.7	7.1	70 - 130	20
Isopropylbenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	100	5.21	5.38	1.20	1.24	3.3	70 - 130	20
Methyl Ethyl Ketone	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	86	7.22	8.05	2.08	2.32	10.9	70 - 130	20
n-Butylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Propylene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
sec-Butylbenzene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	103	2990	4490	441	662	40.1	70 - 130	20
Tetrahydrofuran	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	101	8.89	8.14	2.36	2.16	8.8	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	101	10.8	11.2	2.72	2.84	4.3	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	100	838	789	156	147	5.9	70 - 130	20
Trichlorofluoromethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Trichlorotrifluoroethane	ND	ND	101	7.66	7.66	1.00	1.00	0.0	70 - 130	20
Vinyl Chloride	ND	ND	100	2.04	2.25	0.800	0.880	9.5	70 - 130	20
% Bromofluorobenzene	104	104	100	113	111	113	111	1.8	70 - 130	20

r = This parameter is outside laboratory rpd 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  
 January 29, 2015

# Sample Criteria Exceedences Report

## GBH66384 - EBC

Criteria: None

State: NY

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

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\*\*\* 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.



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

**CHAIN OF CUSTODY RECORD**  
**AIR ANALYSES**

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

P.O. # \_\_\_\_\_  
 Data Delivery:  Fax #:  
 Email: File  
 Phone #:

Page 1 of 1

Report to: Kevin Waters  
 Customer: EBC  
 Address: 1808 Middle Country Rd  
L. J. N7

Invoice to: EBC

Project Name: 930Fishing Site B Bracklyn, M

Requested Deliverable: RCP  ASP CAT B   
 MCP  NJ Deliverables

State where samples collected: N7

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		MATRIX		
													Grab (G) Composite (C)	TO-14	TO-15	ANALYSES			
		474	6.0 -30	5350	41.7														
		365	6.0 -30	400	331														
		227	6.0 -30	5350	X														
66384	Sg 1-20-15	492	6.0 -30	0	495	41.7	1042	1244	12015	30	-9			X					

Relinquished by: [Signature] Date: 1-22-15 Time: 1140  
 Accepted by: [Signature] Date: 1-22-15 Time: 1654

Data Format:  Excel  Equis  GISKey   
 PDF  Other:

Requested Criteria

Quote Number: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

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.



Friday, December 19, 2014

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

Project ID: BLOCK 3141 BROOKLYN NY  
Sample ID#s: BH54042 - BH54045

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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



## SDG Comments

December 19, 2014

SDG I.D.: GBH54042

---

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



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

12:00  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54042

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 10 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Aluminum	7010	51	6.8	mg/Kg	12/17/14	LK	SW6010
Arsenic	1.5	0.7	0.68	mg/Kg	12/17/14	LK	SW6010
Barium	37.4	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.42	0.27	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	594 N	5.1	3.1	mg/Kg	12/17/14	LK	SW6010
Cadmium	< 0.34 *	0.34	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	6.45	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Chromium	15.9 *	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Copper	16.2	0.34	0.34	mg/kg	12/17/14	LK	SW6010
Iron	16300 *	51	34	mg/Kg	12/17/14	LK	SW6010
Mercury	< 0.07 N	0.07	0.04	mg/Kg	12/17/14	RS	SW-7471
Potassium	1280 N	5.1	2.7	mg/Kg	12/17/14	LK	SW6010
Magnesium	1990	5.1	3.4	mg/Kg	12/17/14	LK	SW6010
Manganese	335 N*	3.4	3.4	mg/Kg	12/17/14	LK	SW6010
Sodium	317 N	5.1	2.9	mg/Kg	12/17/14	LK	SW6010
Nickel	10.8	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Lead	5.08 *	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.4	3.4	1.7	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.1	3.1	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	23.9	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Zinc	24.5	0.34	0.34	mg/Kg	12/17/14	LK	SW6010
Percent Solid	93			%	12/16/14	i	SW846
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	91			%	12/17/14	AW	30 - 150 %
% TCMX	94			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	92			%	12/17/14	CE	30 - 150 %
% TCMX	91			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	5.3	0.86	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.3	0.76	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.46	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	0.70	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	5.3	0.56	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.83	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	5.3	0.89	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	5.3	0.84	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	26	2.4	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	5.3	0.73	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	5.3	0.61	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	26	1.3	ug/Kg	12/17/14	JLI	SW8260
Acetone	13	JS 50	5.2	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	5.3	0.68	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.77	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	5.3	0.65	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	5.3	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	5.3	4.1	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	5.3	0.85	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	5.3	0.61	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	5.3	0.78	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	5.3	1.2	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	5.3	2.8	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	5.3	0.59	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	5.3	0.66	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	5.3	1.0	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	5.3	2.1	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	32	4.6	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	1.9	JS 5.3	0.86	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	12/17/14	JLI	SW8260

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B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	5.3	0.96	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	5.3	0.95	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	5.3	2.0	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	5.3	0.76	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	5.3	0.99	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	5.3	1.5	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	5.3	0.84	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	4.7	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	5.3	0.83	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	9.8	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	5.3	1.1	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.3	0.82	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	5.3	1.7	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	96			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	92			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	770	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	98			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	84			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	74			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	78			%	12/17/14	DD	23 - 120 %
% Phenol-d5	80			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	99			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



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

**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

12:30  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54043

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 10 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Aluminum	11500	54	7.2	mg/Kg	12/17/14	LK	SW6010
Arsenic	4.5	0.7	0.72	mg/Kg	12/17/14	LK	SW6010
Barium	32.7	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.56	0.29	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	753	N 5.4	3.3	mg/Kg	12/17/14	LK	SW6010
Cadmium	< 0.36	* 0.36	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	8.95	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Chromium	20.8	* 0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Copper	18.8	0.36	0.36	mg/kg	12/17/14	LK	SW6010
Iron	23300	* 54	36	mg/Kg	12/17/14	LK	SW6010
Mercury	< 0.09	N 0.09	0.05	mg/Kg	12/17/14	RS	SW-7471
Potassium	1150	N 5.4	2.8	mg/Kg	12/17/14	LK	SW6010
Magnesium	2110	5.4	3.6	mg/Kg	12/17/14	LK	SW6010
Manganese	166	N* 3.6	3.6	mg/Kg	12/17/14	LK	SW6010
Sodium	224	N 5.4	3.1	mg/Kg	12/17/14	LK	SW6010
Nickel	13.8	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Lead	7.66	* 0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.6	3.6	1.8	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.2	3.2	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	32.3	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Zinc	29.6	0.36	0.36	mg/Kg	12/17/14	LK	SW6010
Percent Solid	88			%	12/16/14	i	SW846
Total Cyanide	0.433	B 0.57	0.28	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	90			%	12/17/14	AW	30 - 150 %
% TCMX	92			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	37	37	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	94			%	12/17/14	CE	30 - 150 %
% TCMX	95			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	5.7	0.93	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.7	0.82	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.7	0.63	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	5.7	0.50	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	5.7	0.81	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.7	0.75	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.7	0.84	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	5.7	0.60	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.7	0.90	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	5.7	0.95	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	5.7	0.91	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	28	2.6	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	5.7	0.78	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	5.7	0.66	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	1.4	ug/Kg	12/17/14	JLI	SW8260
Acetone	6.3	JS 50	5.6	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	11	3.2	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	5.7	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	5.7	0.83	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	5.7	0.70	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	5.7	0.80	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	5.7	4.4	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	5.7	0.92	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	5.7	0.66	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	5.7	0.84	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	5.7	1.3	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	5.7	3.0	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.7	0.61	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	5.7	0.64	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	5.7	0.72	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	5.7	2.2	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	34	4.9	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	1.6	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	2.4	JS 5.7	0.93	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	5.7	1.5	ug/Kg	12/17/14	JLI	SW8260

1

B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	5.7	1.0	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	5.7	2.2	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	5.7	0.82	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	5.7	1.6	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	5.7	0.91	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	5.1	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	5.7	0.90	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.7	1.1	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	11	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	5.7	1.2	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	5.7	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.7	0.89	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	5.7	1.8	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	96			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	103			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	93			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1900	380	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	750	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	750	220	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1900	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	260	92	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	90			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	78			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	76			%	12/17/14	DD	23 - 120 %
% Phenol-d5	78			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	94			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

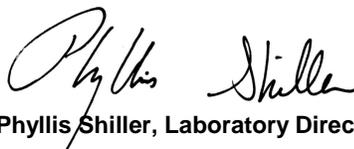
**Comments:**

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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



**Environmental Laboratories, Inc.**  
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**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

13:00  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54044

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 11 0-2 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Aluminum	8570	52	6.9	mg/Kg	12/17/14	LK	SW6010
Arsenic	4.6	0.7	0.69	mg/Kg	12/17/14	LK	SW6010
Barium	98.7	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.43	0.28	0.14	mg/Kg	12/17/14	LK	SW6010
Calcium	33500	N 52	32	mg/Kg	12/17/14	LK	SW6010
Cadmium	0.93	* 0.35	0.14	mg/Kg	12/17/14	LK	SW6010
Cobalt	4.96	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Chromium	17.1	* 0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Copper	33.7	0.35	0.35	mg/kg	12/17/14	LK	SW6010
Iron	18000	* 52	35	mg/Kg	12/17/14	LK	SW6010
Mercury	0.41	N 0.08	0.05	mg/Kg	12/17/14	RS	SW-7471
Potassium	1180	N 5.2	2.7	mg/Kg	12/17/14	LK	SW6010
Magnesium	4770	5.2	3.5	mg/Kg	12/17/14	LK	SW6010
Manganese	378	N* 3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Sodium	697	N 5.2	3.0	mg/Kg	12/17/14	LK	SW6010
Nickel	13.8	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Lead	176	3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.5	3.5	1.7	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.1	3.1	1.4	mg/Kg	12/17/14	LK	SW6010
Vanadium	31.0	0.35	0.35	mg/Kg	12/17/14	LK	SW6010
Zinc	231	3.5	3.5	mg/Kg	12/17/14	LK	SW6010
Percent Solid	88			%	12/16/14	i	SW846
Total Cyanide	0.425	B 0.52	0.26	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	440	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	79			%	12/17/14	AW	30 - 150 %
% TCMX	81			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	11	11	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	11	11	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	65	65	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	19	19	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	190	190	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	38	38	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	7.6	7.6	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	19	19	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	38	38	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	190	190	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	760	760	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	Diluted Out			%	12/17/14	CE	30 - 150 %
% TCMX	Diluted Out			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	6.0	0.98	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.0	0.58	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.0	0.86	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.0	0.66	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.0	0.53	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.0	0.85	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.0	0.79	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.0	0.88	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.0	0.63	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.0	0.94	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.0	1.0	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.0	0.95	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	30	2.7	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.0	0.82	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.0	0.69	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	30	1.4	ug/Kg	12/17/14	JLI	SW8260
Acetone	ND	50	5.9	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	12	3.4	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	6.0	0.78	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	6.0	0.87	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	6.0	0.74	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	6.0	0.84	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	6.0	4.6	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	6.0	0.97	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.0	0.69	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	6.0	0.88	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	6.0	1.4	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	6.0	3.1	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.0	0.64	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	6.0	0.67	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	6.0	0.75	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.0	1.6	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	6.0	2.4	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	36	5.2	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	1.6	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	1.7	JS 6.0	0.98	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	1200	280	75	ug/Kg	12/17/14	JLI	SW8260

1

B

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	6.0	2.3	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.0	0.86	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.0	1.1	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	6.0	1.7	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.0	0.95	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	68	J 280	59	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	5.4	ug/Kg	12/17/14	JLI	SW8260
Toluene	70	J 280	44	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.0	1.2	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	11	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.0	1.3	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.0	0.93	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	6.0	1.9	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	100			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	88			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	106			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	91			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	280	260	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1900	370	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1900	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	710	260	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	920	260	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	12/17/14	DD	SW 8270
Anthracene	2400	260	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	6600	1300	620	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	6000	1300	600	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	7800	1300	630	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	4600	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	2600	260	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1900	740	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	130	J 260	110	ug/Kg	12/17/14	DD	SW 8270
Carbazole	1000	J 1900	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	6300	1300	620	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	1100	260	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	600	260	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	14000	1300	600	ug/Kg	12/17/14	DD	SW 8270
Fluorene	980	260	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	4100	260	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	1100	260	110	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	9800	1300	530	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	12000	1300	640	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	85			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	76			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	67			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	81			%	12/17/14	DD	23 - 120 %
% Phenol-d5	74			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	57			%	12/17/14	DD	18 - 137 %

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

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

**Pesticide Comment:**

Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



Environmental Laboratories, Inc.  
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**Analysis Report**  
 December 19, 2014

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

Sample Information

Matrix: SOLID  
 Location Code: EBC  
 Rush Request: 72 Hour  
 P.O.#:

Custody Information

Collected by: RL  
 Received by: SW  
 Analyzed by: see "By" below

Date

12/16/14  
 12/16/14

Time

13:30  
 17:01

Laboratory Data

SDG ID: GBH54042  
 Phoenix ID: BH54045

Project ID: BLOCK 3141 BROOKLYN NY  
 Client ID: B 11 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Aluminum	9310	56	7.5	mg/Kg	12/17/14	LK	SW6010
Arsenic	3.3	0.7	0.75	mg/Kg	12/17/14	LK	SW6010
Barium	391	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Beryllium	0.50	0.30	0.15	mg/Kg	12/17/14	LK	SW6010
Calcium	20700	N 56	34	mg/Kg	12/17/14	LK	SW6010
Cadmium	8.53	* 0.37	0.15	mg/Kg	12/17/14	LK	SW6010
Cobalt	8.53	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Chromium	18.7	* 0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Copper	27.7	0.37	0.37	mg/kg	12/17/14	LK	SW6010
Iron	17800	* 56	37	mg/Kg	12/17/14	LK	SW6010
Mercury	0.13	N 0.07	0.04	mg/Kg	12/17/14	RS	SW-7471
Potassium	2240	N 5.6	2.9	mg/Kg	12/17/14	LK	SW6010
Magnesium	4310	5.6	3.7	mg/Kg	12/17/14	LK	SW6010
Manganese	390	N* 3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Sodium	210	N 5.6	3.2	mg/Kg	12/17/14	LK	SW6010
Nickel	14.1	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Lead	655	3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Antimony	< 3.7	3.7	1.9	mg/Kg	12/17/14	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	12/17/14	LK	SW6010
Thallium	< 3.4	3.4	1.5	mg/Kg	12/17/14	LK	SW6010
Vanadium	29.7	0.37	0.37	mg/Kg	12/17/14	LK	SW6010
Zinc	770	3.7	3.7	mg/Kg	12/17/14	LK	SW6010
Percent Solid	89			%	12/16/14	i	SW846
Total Cyanide	0.316	B 0.56	0.28	mg/Kg	12/16/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				12/16/14	CC/H	SW3545
Soil Extraction for Pesticide	Completed				12/16/14	CC	SW3545
Soil Extraction for SVOA	Completed				12/16/14	JJ/VH	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				12/17/14	I/I	SW7471
Total Metals Digest	Completed				12/16/14	CB/AG	SW846 - 3050
Field Extraction	Completed				12/16/14		SW5035

**Polychlorinated Biphenyls**

PCB-1016	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	12/17/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	12/17/14	AW	SW 8082

**QA/QC Surrogates**

% DCBP	79			%	12/17/14	AW	30 - 150 %
% TCMX	79			%	12/17/14	AW	30 - 150 %

**Pesticides - Soil**

4,4' -DDD	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	12/17/14	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	12/17/14	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	12/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	12/17/14	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	12/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	12/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	12/17/14	CE	SW8081

**QA/QC Surrogates**

% DCBP	83			%	12/17/14	CE	30 - 150 %
% TCMX	81			%	12/17/14	CE	30 - 150 %

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.6	0.64	ug/Kg	12/17/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
1,1-Dichloropropene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.6	0.95	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.6	1.8	ug/Kg	12/17/14	JLI	SW8260
1,2-Dibromoethane	ND	6.6	1.7	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.6	0.72	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloroethane	ND	6.6	0.58	ug/Kg	12/17/14	JLI	SW8260
1,2-Dichloropropane	ND	6.6	0.93	ug/Kg	12/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.6	0.87	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.6	0.97	ug/Kg	12/17/14	JLI	SW8260
1,3-Dichloropropane	ND	6.6	0.70	ug/Kg	12/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
2,2-Dichloropropane	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
2-Chlorotoluene	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
2-Hexanone	ND	33	3.0	ug/Kg	12/17/14	JLI	SW8260
2-Isopropyltoluene	ND	6.6	0.91	ug/Kg	12/17/14	JLI	SW8260
4-Chlorotoluene	ND	6.6	0.76	ug/Kg	12/17/14	JLI	SW8260
4-Methyl-2-pentanone	ND	33	1.6	ug/Kg	12/17/14	JLI	SW8260
Acetone	7.6	JS 50	6.5	ug/Kg	12/17/14	JLI	SW8260
Acrylonitrile	ND	13	3.7	ug/Kg	12/17/14	JLI	SW8260
Benzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
Bromobenzene	ND	6.6	0.85	ug/Kg	12/17/14	JLI	SW8260
Bromochloromethane	ND	6.6	0.96	ug/Kg	12/17/14	JLI	SW8260
Bromodichloromethane	ND	6.6	0.82	ug/Kg	12/17/14	JLI	SW8260
Bromoform	ND	6.6	0.92	ug/Kg	12/17/14	JLI	SW8260
Bromomethane	ND	6.6	5.1	ug/Kg	12/17/14	JLI	SW8260
Carbon Disulfide	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Carbon tetrachloride	ND	6.6	0.76	ug/Kg	12/17/14	JLI	SW8260
Chlorobenzene	ND	6.6	0.97	ug/Kg	12/17/14	JLI	SW8260
Chloroethane	ND	6.6	1.5	ug/Kg	12/17/14	JLI	SW8260
Chloroform	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Chloromethane	ND	6.6	3.4	ug/Kg	12/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.6	0.71	ug/Kg	12/17/14	JLI	SW8260
Dibromochloromethane	ND	6.6	0.74	ug/Kg	12/17/14	JLI	SW8260
Dibromomethane	ND	6.6	0.83	ug/Kg	12/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.6	1.7	ug/Kg	12/17/14	JLI	SW8260
Ethylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Hexachlorobutadiene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Isopropylbenzene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
m&p-Xylene	ND	6.6	2.6	ug/Kg	12/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	39	5.7	ug/Kg	12/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	12/17/14	JLI	SW8260
Methylene chloride	3.0	JS 6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Naphthalene	ND	6.6	1.8	ug/Kg	12/17/14	JLI	SW8260

1

B\*

B\*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Butylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
n-Propylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
o-Xylene	ND	6.6	2.5	ug/Kg	12/17/14	JLI	SW8260
p-Isopropyltoluene	ND	6.6	0.95	ug/Kg	12/17/14	JLI	SW8260
sec-Butylbenzene	ND	6.6	1.2	ug/Kg	12/17/14	JLI	SW8260
Styrene	ND	6.6	1.9	ug/Kg	12/17/14	JLI	SW8260
tert-Butylbenzene	ND	6.6	1.1	ug/Kg	12/17/14	JLI	SW8260
Tetrachloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	5.9	ug/Kg	12/17/14	JLI	SW8260
Toluene	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.6	1.3	ug/Kg	12/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	12/17/14	JLI	SW8260
Trichloroethene	ND	6.6	1.4	ug/Kg	12/17/14	JLI	SW8260
Trichlorofluoromethane	ND	6.6	1.5	ug/Kg	12/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.6	1.0	ug/Kg	12/17/14	JLI	SW8260
Vinyl chloride	ND	6.6	2.1	ug/Kg	12/17/14	JLI	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	94			%	12/17/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	12/17/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	12/17/14	JLI	70 - 130 %
% Toluene-d8	91			%	12/17/14	JLI	84 - 138 %
<b>Semivolatiles</b>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	12/17/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	12/17/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	12/17/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	12/17/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	12/17/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	12/17/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	12/17/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	12/17/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	12/17/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	12/17/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	12/17/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	12/17/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	12/17/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	12/17/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	94	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	98	ug/Kg	12/17/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	12/17/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Di-n-butylphthalate	ND	250	97	ug/Kg	12/17/14	DD	SW 8270
Di-n-octylphthalate	ND	250	94	ug/Kg	12/17/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	12/17/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	12/17/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	12/17/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	12/17/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	12/17/14	DD	SW 8270
<b>QA/QC Surrogates</b>							
% 2,4,6-Tribromophenol	98			%	12/17/14	DD	19 - 122 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	84			%	12/17/14	DD	30 - 115 %
% 2-Fluorophenol	80			%	12/17/14	DD	25 - 121 %
% Nitrobenzene-d5	83			%	12/17/14	DD	23 - 120 %
% Phenol-d5	85			%	12/17/14	DD	24 - 113 %
% Terphenyl-d14	78			%	12/17/14	DD	18 - 137 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.  
B\* = Present in blank, a bias is possible.

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

**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 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

**December 19, 2014**

**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

## Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBH54042 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BH54044	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	260	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4100	260	500	500	500	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	260	330	330	330	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	6600	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6300	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	7800	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6000	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	7800	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6000	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6300	1300	3900	3900	3900	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	260	330	330	330	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	6600	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	260	500	500	500	ug/Kg
BH54044	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6000	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7800	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	260	500	500	500	ug/Kg
BH54044	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6300	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6600	1300	1000	1000	1000	ug/Kg
BH54044	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	330	330	330	ug/Kg
BH54044	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	800	800	800	ug/Kg
BH54044	\$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	440	38	100	100	100	ug/Kg
BH54044	\$PESTSMDPR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	20	20	20	ug/Kg
BH54044	\$PESTSMDPR	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	36	36	36	ug/Kg
BH54044	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	5	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	3.3	ug/Kg
BH54044	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	5	ug/Kg
BH54044	\$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	14	14	14	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	3.3	ug/Kg
BH54044	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	65	3.3	3.3	3.3	ug/Kg
BH54044	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.41	0.08	0.18	0.18	0.18	mg/Kg
BH54044	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	176	3.5	63	63	63	mg/Kg
BH54044	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	231	3.5	109	109	109	mg/Kg
BH54045	BA-SM	Barium	NY / 375-6.8 Metals / Residential	391	0.37	350	350	350	mg/Kg
BH54045	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	391	0.37	350	350	350	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	8.53	0.37	2.5	2.5	2.5	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential Restricted	8.53	0.37	4.3	4.3	4.3	mg/Kg
BH54045	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	8.53	0.37	2.5	2.5	2.5	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Residential	655	3.7	400	400	400	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	655	3.7	400	400	400	mg/Kg
BH54045	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	655	3.7	63	63	63	mg/Kg
BH54045	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	770	3.7	109	109	109	mg/Kg

# Sample Criteria Exceedences Report

## GBH54042 - EBC

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





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# NY Temperature Narration

December 19, 2014

SDG I.D.: GBH54042

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

